

~Version Information Block

VERS. 2.00: CWLS LOG ASCII STANDARD - VERSION 2.000000
 WRAP. NO: One Line Per Depth Step

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~Well Information Block

#MNEM.UNIT	Data	Information
STRT.FT	400.0000:	START DEPTH
STOP.FT	3300.0000:	STOP DEPTH
STEP.FT	0.5000:	STEP
NULL.	-999.2500:	NULL VALUE
COMP.	Union Oil Company of California:	COMPANY
WELL.	#1 N-11 Lukachukai #519:	WELL
FLD .	Wildcat:	FIELD
LOC .	SE SW:	LOCATION
SEC .	11:	SECTION
TWP .	36N:	TOWNSHIP
RANG.	29E:	RANGE
CNTY.	Apache:	COUNTY
STAT.	Arizona:	STATE
CTRY.	U.S.A:	COUNTRY
SRVC.	Schlumber:	SERVICE COMPANY
DATE.	:	DATE
API .	02-001-20118:	API NUMBER
UWI .	02-001-20118:	UWI NUMBER
TVD .	NO:	TVD flag
WSTA.	DRY:	Well status

#

~Curve Information Block

#MNEM.UNIT	API CODE	Curve Description
DEPT.FT	:	Depth in Feet
GR .IN	35 310 01 01:	GR
CALI.GAPI	:	CALI
BIT .IN	:	
PDL .G/C3	:	PDL
RHOB.G/C3	42 350 01 01:	Bulk Density

#

~Parameter Information Block

#MNEM.UNIT	Value	Description
DATE.	11/1/1969:	Date As Month-Day-Year
RUN .	ONE:	Run Number
PDAT.	UNK:	Permanent Datum
EPD .FT	7183.0000:	Elevation Of Perm. Datum
LMF .	KB:	Log Measured From
FAPD.FT	14.0000:	Feet Above Perm. Datum
DMF .	KB:	Drilling Measured From
EKB .FT	7197.0000:	Elevation Of Kelly Bushing
EDF .FT	7196.0000:	Elevation Of Derrick Floor
EGL .FT	7183.0000:	Elevation Of Ground Level
TD .FT	3300.0000:	Total Depth
PROJ.	RMCCS:	
DD .FT	3300.0000:	Depth Driller
DL .FT	3291.0000:	Depth Logger
BLI .FT	3290.0000:	Bottom Log Interval
TLI .FT	358.0000:	Top Log Interval
CSIZ.IN	8 5/8:	Casing Size
BS .IN	7 7/8:	Bit Size
DFT .	FGM:	Drilling Fluid Type
DFD .LB/G	9.0000:	Drilling Fluid Density
BHT .DEGF	92.0000:	Bottom Hole Temperature
TLAB.	2 1/2 HRS:	Time Logger At Bottom
MRT .DEGF	92.0000:	Maximum Recorded Temperature
ENGI.	G Schwltz:	Engineer'S Name
WITN.	V.O. Gustafson:	Witness' Name
DGBY.	J.L.:	

WSTA. DRY:
 #
 ~Other Information Block
 <DescLogPlotStart> NEURALOG PLOT DEFINITION
 PLOTDEFVERSION: 3
 LASFILE: O:\OG_Data\RMCCS digitized wells project\Jefferson Lee\las\0519CDL.las
 DEPTHSCALE: 240.000000
 RESOLUTION: 200
 DEPTHLABELFREQ: 100.000000
 HEAVYGRIDFREQ: 100.000000
 MEDIUMGRIDFREQ: 50.000000
 LIGHTGRIDFREQ: 10.000000

 # TRACK 1
 #
 STARTTRACK:
 LEFTX: 0.500000 inch
 RIGHTX: 3.000000 inch
 SCALETYPE: Linear
 NUMCHARTDIVISIONS: 10
 CURVE: GR 0.000000 150.000000 (0,0,255) Solid 2 Y
 BACKUP: 150.000000 300.000000 (0,0,255) Solid 2
 CURVE: CALI 5.000000 15.000000 (0,131,131) Dot 2 N
 CURVE: BIT 5.000000 15.000000 (255,0,255) Short_Dash 2 N
 ENDTRACK:

 # TRACK 2
 #
 STARTTRACK:
 LEFTX: 3.500000 inch
 RIGHTX: 8.500000 inch
 SCALETYPE: Linear
 NUMCHARTDIVISIONS: 19
 CURVE: PDL 30.000000 -10.000000 (255,0,0) Solid 2 N
 CURVE: RHOB 2.000000 3.000000 (255,131,0) Dot 2 Y
 BACKUP: 1.000000 2.000000 (255,131,0) Dot 2
 ENDTRACK:

<DescLogPlotEnd>
 <DescLog>Compensated Formation Density
 <DescOSVS>DIL
 <DescOSVS>SNP
 <DescOSVS>

-A DEPTH	GR	CALI	BIT	PDL	RHOB
400.000	29.67196819	9.88071571	7.83300199	16.82000000	2.42750000
400.500	26.98807157	9.86083499	7.83300199	17.26000000	2.41750000
401.000	26.68986083	9.84095427	7.83300199	17.54000000	2.41350000
401.500	27.20435844	9.80067424	7.83300216	17.38058600	2.41753883
402.000	27.74245955	9.80082267	7.83301794	15.82450993	2.45527944
402.500	30.00254038	9.80095388	7.83307004	13.77819650	2.48791213
403.000	32.30231619	9.80679746	7.83312154	10.90000000	2.51865000
403.500	34.72709478	9.84183190	7.83317305	10.78000000	2.52254197
404.000	40.58935620	9.84095596	7.83322455	11.34000000	2.51601448
404.500	47.87672702	9.82650851	7.83327604	12.18000000	2.50579676
405.000	50.89146165	9.81512108	7.83332753	12.62000000	2.49455905
405.500	49.68526004	9.82233942	7.83337903	11.58000000	2.51536036
406.000	47.86480237	9.92563934	7.83343052	11.50000000	2.47965281
406.500	48.08734994	9.92855531	7.83348201	13.42000000	2.49220142
407.000	51.01685779	9.66921534	7.83353351	12.06880000	2.51079290
407.500	58.68557063	9.68041724	7.83358500	12.78000000	2.48640067
408.000	64.09281774	9.68160952	7.83363649	13.76956447	2.47511615
408.500	66.50317700	9.68373024	7.83368799	13.81387120	2.46522076
409.000	65.91633266	9.66159935	7.83373948	16.00635409	2.44052854
409.500	62.49240850	9.62728184	7.83379097	14.94000000	2.46743060
410.000	57.60131178	9.60854035	7.83384247	12.94000000	2.48495615
410.500	45.46956392	9.58031935	7.83389396	12.80000000	2.48911904
411.000	36.27339414	9.56942848	7.83394545	16.14000000	2.40869658
411.500	29.68551407	9.48273448	7.83399695	18.38000000	2.40289123
412.000	27.60350576	9.40168383	7.83404844	17.16000000	2.41912579

412.500	27.23498951	9.40335914	7.83409993	17.08000000	2.42019243
413.000	27.31549218	9.40355448	7.83415143	16.40000000	2.43136169
413.500	28.33776521	9.40357853	7.83420292	16.20000000	2.43317565
414.000	32.02380057	9.40353535	7.83425441	18.70000000	2.39620234
414.500	36.21104428	9.40313953	7.83430591	18.78000000	2.39284588
415.000	39.29759677	9.40286747	7.83435740	18.46000000	2.40085035
415.500	42.19916763	9.46231329	7.83440889	16.52000000	2.42896689
416.000	42.77834643	9.56311436	7.83446038	14.84000000	2.45828033
416.500	44.15435636	9.60294763	7.83451188	13.50000000	2.47773776
417.000	46.29416667	9.64295828	7.83456337	12.01000000	2.50093936
417.500	42.00478809	9.65527533	7.83461486	13.42000000	2.50411463
418.000	36.84440226	9.66225818	7.83466636	16.36000000	2.42586732
418.500	36.03692086	9.65955921	7.83471785	18.10000000	2.40620975
419.000	36.34545784	9.70476208	7.83476934	18.56000000	2.39945430
419.500	35.14804043	9.69648566	7.83482084	18.42000000	2.40145465
420.000	37.25271490	9.68245947	7.83487233	18.14040201	2.40150880
420.500	37.34303788	9.68188403	7.83492382	18.06000000	2.40125767
421.000	36.58266207	9.68222555	7.83497532	17.54000000	2.41111942
421.500	37.51813064	9.67673397	7.83502681	17.14000000	2.41889656
422.000	41.08193109	9.67838652	7.83507830	17.50000000	2.41284887
422.500	42.18383704	9.67773336	7.83512980	16.82000000	2.42374192
423.000	42.15133440	9.68328037	7.83518129	17.26000000	2.42278266
423.500	43.34940320	9.66321183	7.83523278	17.70000000	2.40742351
424.000	48.41665299	9.64701979	7.83528428	18.38000000	2.38990112
424.500	52.51389972	9.65150152	7.83533577	21.23800000	2.35780363
425.000	56.29169623	9.66475569	7.83538726	22.81688628	2.32766271
425.500	61.57004192	9.78674585	7.83543876	24.59162294	2.30845338
426.000	64.14344747	10.29791788	7.83549025	27.69353932	2.18325582
426.500	65.11851350	11.32370900	7.83554174	-999.25000000	2.06135581
427.000	65.16587813	11.76021421	7.83559324	-999.25000000	1.98374691
427.500	60.81464111	13.23435509	7.83564473	-999.25000000	1.96242004
428.000	57.54015679	13.14348439	7.83569622	-999.25000000	1.95944271
428.500	57.44525829	13.02481439	7.83574772	-999.25000000	1.97285911
429.000	63.08437218	12.93897777	7.83579921	-999.25000000	2.10039573
429.500	59.18222780	11.03751815	7.83585070	-999.25000000	2.21401722
430.000	49.60217566	10.13736344	7.83590220	17.83261538	2.44619408
430.500	42.17159810	9.61803600	7.83595369	15.86000000	2.43510922
431.000	36.85273507	9.56179662	7.83600518	16.50000000	2.42438166
431.500	30.54932455	9.48287953	7.83605668	17.90000000	2.40333121
432.000	29.26842910	9.45636397	7.83610817	18.74000000	2.39138632
432.500	28.49183162	9.44243047	7.83615966	19.46000000	2.38179732
433.000	27.23836198	9.43606907	7.83621116	20.02000000	2.37508652
433.500	28.17942175	9.43336437	7.83626265	19.98000000	2.36725971
434.000	30.27560489	9.42342949	7.83631414	20.78000000	2.36023244
434.500	31.53359113	9.42281965	7.83636564	22.54000000	2.32874246
435.000	32.53092740	9.42251822	7.83641713	24.86000000	2.29034353
435.500	34.62094908	9.45674283	7.83646862	27.98000000	2.24531176
436.000	41.75348885	9.52390173	7.83652012	-999.25000000	2.18404299
436.500	48.57630492	9.60182934	7.83657161	-999.25000000	2.09936167
437.000	51.97909492	9.73044068	7.83662310	-999.25000000	2.01337328
437.500	51.86524751	10.11275887	7.83667460	-999.25000000	2.01571142
438.000	49.68477369	11.38878155	7.83672609	-999.25000000	2.02064522
438.500	43.97340756	12.48755165	7.83677758	-999.25000000	2.17929632
439.000	42.21287672	12.14661018	7.83682908	20.66228571	2.34004003
439.500	40.55932938	9.86624995	7.83688057	15.62000000	2.44317401
440.000	39.23110427	9.69634130	7.83693206	15.62000000	2.44774985
440.500	36.62828911	9.66476085	7.83698356	15.90000000	2.44243756
441.000	34.73589908	9.64753468	7.83703505	15.98000000	2.43967635
441.500	34.18474403	9.73120662	7.83708654	15.06000000	2.44639239
442.000	34.09997740	11.01096983	7.83713804	15.70000000	2.45905679
442.500	29.57208574	9.51750039	7.83718953	17.45000000	2.40091693
443.000	27.81046308	9.60658275	7.83724102	19.78000000	2.37876311
443.500	27.27777452	9.55937621	7.83729252	20.86000000	2.37049525
444.000	28.44978437	9.57128255	7.83734401	20.14000000	2.36185220
444.500	28.19302918	9.58114786	7.83739550	19.02000000	2.38582161
445.000	27.04377447	9.60371237	7.83744700	18.06000000	2.40494122
445.500	27.02629877	9.60209379	7.83749849	18.06000000	2.40492295
446.000	29.08901034	9.60285177	7.83754998	18.10000000	2.40252439

446.500	31.34441905	9.61693163	7.83760148	18.30000000	2.40083520
447.000	34.93154599	9.62758948	7.83765297	18.74000000	2.39765305
447.500	38.71164250	9.64183176	7.83770446	19.06000000	2.39175531
448.000	41.72005112	9.65165612	7.83775596	16.54000000	2.43023883
448.500	40.71430664	9.66203177	7.83780745	17.70000000	2.40190970
449.000	35.54228180	9.66404894	7.83785894	19.78000000	2.37691226
449.500	31.88974666	9.63719243	7.83791044	19.70000000	2.37631984
450.000	30.89246953	9.60361616	7.83796193	15.22000000	2.45360527
450.500	31.14321382	9.59217292	7.83801342	14.62000000	2.46151467
451.000	28.13634581	9.58427447	7.83806492	14.58000000	2.46263878
451.500	27.81778695	9.60071323	7.83811641	15.93183762	2.44471473
452.000	29.80074755	9.60947546	7.83816790	16.82598602	2.43113606
452.500	31.76560143	9.62364600	7.83821940	18.70358356	2.40248666
453.000	33.79473958	9.62263965	7.83827089	20.61822222	2.37500652
453.500	36.54246094	9.62040462	7.83832238	22.70540000	2.32507089
454.000	39.49937806	9.52788308	7.83837388	25.65560000	2.28664294
454.500	43.10507313	9.43053825	7.83842537	-999.25000000	2.22716025
455.000	47.39349588	9.46116223	7.83847686	-999.25000000	2.15423473
455.500	50.69223473	9.53194252	7.83852836	-999.25000000	2.05313513
456.000	53.84771502	9.92440016	7.83857985	-999.25000000	2.01492516
456.500	56.06390236	11.43671808	7.83863134	-999.25000000	-999.25000000
457.000	56.78169660	12.09923885	7.83868284	-999.25000000	-999.25000000
457.500	57.14989227	11.41147357	7.83873433	-999.25000000	-999.25000000
458.000	56.15652145	11.29352144	7.83878582	-999.25000000	-999.25000000
458.500	53.35204354	11.32912407	7.83883732	-999.25000000	-999.25000000
459.000	47.05922032	12.58089259	7.83888881	-999.25000000	-999.25000000
459.500	41.14016264	13.99699365	7.83894030	-999.25000000	-999.25000000
460.000	38.99401371	12.33566430	7.83899180	-999.25000000	-999.25000000
460.500	37.77892098	10.29232300	7.83904329	17.86500000	2.35824994
461.000	37.03295565	10.20207762	7.83909478	15.50000000	2.44707665
461.500	34.42629725	10.48769992	7.83914628	16.24000000	2.44563831
462.000	31.75012235	9.91068574	7.83919777	17.00000000	2.42565882
462.500	31.88758249	9.70150163	7.83924926	17.12000000	2.42241313
463.000	32.51400500	9.66254823	7.83930076	16.42000000	2.43248244
463.500	32.67573876	9.64186676	7.83935225	19.54000000	2.40473065
464.000	29.92650650	9.64212499	7.83940374	20.78000000	2.36621858
464.500	29.05623198	9.63232152	7.83945524	20.90000000	2.36161349
465.000	31.63645956	9.62231532	7.83950673	20.66000000	2.36390223
465.500	36.81566050	9.66302543	7.83955822	20.04000000	2.37107542
466.000	38.95984634	9.71347380	7.83960972	18.70000000	2.38825346
466.500	35.53495141	9.73973134	7.83966121	17.42000000	2.40908088
467.000	30.88807249	9.74206574	7.83971270	16.43000000	2.42674094
467.500	31.89193184	9.74156614	7.83976420	17.50000000	2.41754061
468.000	30.55904271	9.74027853	7.83981569	18.22000000	2.40035822
468.500	27.21175763	9.76011319	7.83986718	18.80000000	2.38705126
469.000	24.62283318	9.77147454	7.83991868	19.90000000	2.37163194
469.500	23.96899127	9.74183539	7.83997017	20.56000000	2.36575399
470.000	24.87490325	9.77357228	7.84002166	19.90000000	2.37503442
470.500	27.00174117	9.79082830	7.84007316	20.02000000	2.37589951
471.000	29.36845123	9.83053221	7.84012465	19.26000000	2.38328571
471.500	32.10145420	9.86257961	7.84017614	18.22000000	2.39965550
472.000	34.30500134	9.89526901	7.84022764	19.30000000	2.38661800
472.500	35.81133021	9.93812195	7.84027913	20.86000000	2.36428518
473.000	36.94554936	9.98153694	7.84033062	22.66000000	2.32604622
473.500	39.43376629	9.98099570	7.84038212	24.94000000	2.27313070
474.000	41.80772436	9.96996120	7.84043361	28.18000000	2.24821228
474.500	41.65784995	10.20572574	7.84048510	28.94000000	2.20088167
475.000	37.97295351	10.93389786	7.84053660	28.20000000	2.15235818
475.500	34.91617874	12.07439928	7.84058809	27.66614286	2.20394331
476.000	31.46555744	11.27163761	7.84063958	19.67400000	2.38243026
476.500	31.29132670	11.14151559	7.84069107	18.38000000	2.39842196
477.000	32.04999166	10.25603537	7.84074257	19.38000000	2.38132862
477.500	31.30119549	10.33119392	7.84079406	19.30000000	2.37981561
478.000	31.56676924	10.37216944	7.84084555	21.86560285	2.33788493
478.500	32.06200500	10.40953912	7.84089705	24.33921895	2.31955077
479.000	32.06089476	10.68130981	7.84094854	26.82000000	2.26296793
479.500	32.47035296	10.89187180	7.84100003	27.14000000	2.28810723
480.000	34.51474004	9.71592397	7.84105153	18.59858451	2.39740371

480.500	36.64976765	9.66493710	7.84110302	18.07242348	2.40347691
481.000	38.74891740	9.68984694	7.84115451	18.39497843	2.39942348
481.500	40.27330171	9.74360839	7.84120601	18.44900652	2.39686729
482.000	41.86692575	9.91057809	7.84125750	22.22464726	2.34147498
482.500	42.84283445	10.08928581	7.84130899	22.42000000	2.33688635
483.000	41.89347380	9.93696399	7.84136049	18.18000000	2.40761331
483.500	41.29993462	10.05822371	7.84141198	17.90000000	2.39849337
484.000	41.30517643	10.22177137	7.84146347	21.31666667	2.37431579
484.500	42.22579379	10.65296759	7.84151497	24.44000000	2.31149988
485.000	40.54746443	12.14664319	7.84156646	15.56000000	2.43530183
485.500	39.63741982	10.65073068	7.84161795	11.82000000	2.50944778
486.000	38.90941139	10.18153942	7.84166945	14.06000000	2.46569616
486.500	39.26005659	10.19398343	7.84172094	18.56500000	2.40090070
487.000	39.49296140	10.19816505	7.84177243	-999.25000000	2.30137500
487.500	39.25371119	10.19680589	7.84182393	-999.25000000	2.17150000
488.000	40.36696782	10.20332829	7.84187542	-999.25000000	2.04925000
488.500	42.94220830	10.27560256	7.84192691	-999.25000000	1.91324765
489.000	43.08693521	10.81415263	7.84197841	-999.25000000	1.82048329
489.500	42.21149477	12.19534278	7.84202990	-999.25000000	1.78486356
490.000	43.83630125	13.00430208	7.84208139	-999.25000000	1.76030605
490.500	46.24423721	13.01680702	7.84213289	-999.25000000	1.78731029
491.000	47.58174024	13.05741222	7.84218438	-999.25000000	1.87242356
491.500	47.70613673	11.83892514	7.84223587	-999.25000000	1.96719161
492.000	45.31839197	10.88524173	7.84228737	-999.25000000	1.97075318
492.500	44.49578380	11.59949712	7.84233886	-999.25000000	1.70194075
493.000	46.53870793	13.67540314	7.84239035	-999.25000000	1.64326682
493.500	47.25542024	14.89418825	7.84244185	-999.25000000	1.68692392
494.000	47.27777913	15.23250012	7.84249334	-999.25000000	1.76071451
494.500	48.42720334	14.98900843	7.84254483	-999.25000000	1.84206958
495.000	49.82774293	13.34347999	7.84259633	-999.25000000	1.91575033
495.500	46.29738980	11.58896872	7.84264782	-999.25000000	1.97725190
496.000	43.80137536	11.00604545	7.84269931	-999.25000000	2.00032148
496.500	45.27620498	10.66329296	7.84275081	-999.25000000	2.00039767
497.000	49.17728127	11.30194727	7.84280230	-999.25000000	2.00027552
497.500	51.13183006	12.37268736	7.84285379	-999.25000000	1.94760299
498.000	56.14080768	12.70453892	7.84290529	-999.25000000	1.98282219
498.500	62.50991147	10.92569421	7.84295678	-999.25000000	1.99777742
499.000	67.85836749	11.09838858	7.84300827	-999.25000000	1.94047085
499.500	71.14404434	10.82659006	7.84305977	-999.25000000	1.94441142
500.000	72.33794071	10.18124878	7.84311126	-999.25000000	1.99141418
500.500	72.31915023	10.06346725	7.84316275	-999.25000000	1.99309722
501.000	72.30215004	10.02405497	7.84321425	-999.25000000	1.97691133
501.500	73.46101270	10.04909173	7.84326574	-999.25000000	1.96524255
502.000	73.64654643	10.15215609	7.84331723	-999.25000000	1.90109119
502.500	69.72029991	10.13076584	7.84336873	-999.25000000	1.80489106
503.000	64.81720333	9.86851702	7.84342022	-999.25000000	1.81820924
503.500	58.44061588	9.55371773	7.84347171	-999.25000000	1.82049411
504.000	53.46638533	9.54737022	7.84352321	-999.25000000	1.81853297
504.500	49.39592471	10.11642889	7.84357470	-999.25000000	1.70952006
505.000	46.70283231	11.81007173	7.84362619	-999.25000000	1.56059104
505.500	45.62526984	13.69781312	7.84367769	-999.25000000	1.47550000
506.000	48.03650642	15.10616302	7.84372918	-999.25000000	1.49766000
506.500	51.56736018	16.05787276	7.84378067	-999.25000000	1.57498333
507.000	53.77807401	16.18864613	7.84383217	-999.25000000	1.64460373
507.500	55.30790353	14.65963063	7.84388366	-999.25000000	1.67893011
508.000	56.86811836	13.09872158	7.84393515	-999.25000000	1.74734494
508.500	57.73253304	10.86804403	7.84398665	-999.25000000	1.81227464
509.000	55.64970771	10.50589304	7.84403814	-999.25000000	1.88288913
509.500	52.41511459	10.51841217	7.84408963	-999.25000000	1.88796361
510.000	51.32310658	10.77838877	7.84414113	-999.25000000	1.81196166
510.500	52.29636748	11.67295964	7.84419262	-999.25000000	1.75307065
511.000	54.66940213	13.24054322	7.84424411	-999.25000000	1.77049391
511.500	56.48274662	13.95264231	7.84429561	-999.25000000	1.84116041
512.000	58.86315725	12.60650970	7.84434710	-999.25000000	1.92355503
512.500	62.03354040	10.99062548	7.84439859	-999.25000000	1.93483007
513.000	62.00983499	10.84350447	7.84445009	-999.25000000	1.92750438
513.500	58.63288497	11.83747946	7.84450158	-999.25000000	1.90331313
514.000	56.39485298	11.75929081	7.84455307	-999.25000000	1.89169271

514.500	56.10612445	12.38518829	7.84460457	-999.25000000	1.90039495
515.000	57.13740144	11.17273671	7.84465606	-999.25000000	1.85614016
515.500	57.44150770	11.66889571	7.84470755	-999.25000000	1.86373669
516.000	54.09757739	11.45006851	7.84475905	-999.25000000	1.84063366
516.500	49.59875539	10.85020250	7.84481054	-999.25000000	1.76483884
517.000	45.32678830	11.32010581	7.84486203	-999.25000000	1.67168015
517.500	41.87874327	12.52407345	7.84491353	-999.25000000	1.55106270
518.000	41.20461126	12.73846334	7.84496502	-999.25000000	1.47850000
518.500	45.04583240	13.86832843	7.84501651	-999.25000000	1.48100000
519.000	52.32835496	12.94380951	7.84506801	-999.25000000	1.49100000
519.500	57.11908448	13.25314676	7.84511950	-999.25000000	1.53083080
520.000	59.25215540	11.74229104	7.84517099	-999.25000000	1.70438427
520.500	61.28694694	10.23221348	7.84522249	-999.25000000	1.86498263
521.000	64.47214460	10.00452557	7.84527398	-999.25000000	1.98310000
521.500	67.64277102	10.13668154	7.84532547	-999.25000000	2.06650000
522.000	69.66677387	10.25872328	7.84537697	-999.25000000	2.12150000
522.500	68.92624445	9.42441616	7.84542846	-999.25000000	2.11660458
523.000	68.74582011	9.32110418	7.84547995	-999.25000000	2.13403529
523.500	68.73920130	9.31925028	7.84553145	-999.25000000	2.13431001
524.000	68.76373289	9.47956026	7.84558294	-999.25000000	2.06170993
524.500	68.09423154	9.58200104	7.84563443	-999.25000000	2.00059267
525.000	65.76875697	9.78119991	7.84568593	-999.25000000	1.89612720
525.500	63.42064260	10.04836488	7.84573742	-999.25000000	1.77619089
526.000	61.56387920	10.40596153	7.84578891	-999.25000000	1.65591069
526.500	59.55005562	10.91413035	7.84584041	-999.25000000	1.53541018
527.000	57.01215669	11.31514512	7.84589190	-999.25000000	1.47850000
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529.500	61.84099304	12.09225134	7.84614937	-999.25000000	1.60862677
530.000	63.81101148	12.42983944	7.84620086	-999.25000000	1.65382045
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531.000	63.50899821	13.80259408	7.84630385	-999.25000000	1.74317802
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532.000	61.02655040	14.94540382	7.84640683	-999.25000000	1.75376437
532.500	61.79721117	15.28924101	7.84645833	-999.25000000	1.64056773
533.000	63.60154710	16.17278304	7.84650982	-999.25000000	1.61940760
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535.000	70.64196007	15.27870229	7.84671579	-999.25000000	1.75204981
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536.000	75.61203481	13.80367057	7.84681878	-999.25000000	1.97625894
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537.000	76.49389552	16.09756010	7.84692176	-999.25000000	2.09076932
537.500	77.11067204	16.11783567	7.84697326	-999.25000000	2.12250146
538.000	76.82071130	15.74119516	7.84702475	-999.25000000	2.13863189
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543.000	91.53352350	12.30789487	7.84753968	-999.25000000	1.69342647
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544.500	82.10069393	12.73880945	7.84769416	-999.25000000	1.81579606
545.000	75.97030716	11.90130664	7.84774566	-999.25000000	1.87989164
545.500	67.66128100	12.46553989	7.84779715	-999.25000000	1.90040041
546.000	65.32757757	12.56904895	7.84784864	-999.25000000	1.86891587
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547.500	68.20515019	11.13656886	7.84800312	-999.25000000	1.84404291
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556.000	82.80021494	11.65933836	7.84887851	-999.25000000	2.01370222
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559.000	77.93808340	11.23781838	7.84918747	-999.25000000	1.89608103
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562.000	70.45139275	12.53677085	7.84949643	-999.25000000	2.05079394
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563.500	64.16393057	11.71273195	7.84965091	-999.25000000	1.99639664
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564.500	63.87982446	12.59021215	7.84975390	-999.25000000	2.01224432
565.000	63.36774692	12.50860396	7.84980539	-999.25000000	2.02963820
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566.000	63.30146608	12.35566203	7.84990838	-999.25000000	2.07233544
566.500	66.16072577	12.07542442	7.84995987	-999.25000000	2.06312232
567.000	70.01450098	11.54879316	7.85001136	-999.25000000	2.06200793
567.500	71.73802239	11.07333736	7.85006286	-999.25000000	2.09914660
568.000	71.41142694	11.44377978	7.85011435	-999.25000000	2.08934627
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569.000	66.68758311	11.42013861	7.85021734	-999.25000000	2.12254633
569.500	67.03877642	11.95011338	7.85026883	-999.25000000	2.10708057
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571.000	61.82757445	11.72989069	7.85042331	-999.25000000	1.98624373
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572.000	61.71245175	12.57934471	7.85052630	-999.25000000	1.92775007
572.500	61.91813497	11.79433784	7.85057779	-999.25000000	1.91818823
573.000	59.85943827	11.09861009	7.85062928	-999.25000000	1.93557483
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576.000	69.17916999	13.19537184	7.85093824	-999.25000000	2.07502569
576.500	71.76697845	13.52743508	7.85098974	-999.25000000	2.04240357
577.000	73.24437000	9.26725725	7.85104123	-999.25000000	1.97634702
577.500	75.59308222	9.24345328	7.85109272	-999.25000000	2.01686750
578.000	77.44538115	9.39884340	7.85114422	-999.25000000	1.99574785
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579.000	75.38294516	9.86221060	7.85124720	-999.25000000	1.92030908
579.500	71.36121813	10.03575161	7.85129870	-999.25000000	1.95356643
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584.000	71.47965503	14.21538502	7.85176214	-999.25000000	2.01493818
584.500	68.68202847	13.03230589	7.85181363	-999.25000000	2.00642147
585.000	70.25582271	11.51091849	7.85186512	-999.25000000	1.92972795
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586.000	70.51774709	10.64828814	7.85196811	-999.25000000	1.74150000
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587.000	65.89757266	11.09575935	7.85207110	-999.25000000	1.52450000
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588.000	65.81222094	12.12549455	7.85217408	-999.25000000	1.66317842
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589.000	72.65518651	12.08168276	7.85227707	-999.25000000	1.73390545
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590.000	70.48472561	13.55010461	7.85238006	-999.25000000	1.54723009
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591.000	67.24375906	14.36827943	7.85248304	-999.25000000	1.69983489
591.500	66.02548712	12.83430811	7.85253454	-999.25000000	1.80099411
592.000	65.93568095	12.76201055	7.85258603	-999.25000000	1.77648555
592.500	66.94942295	13.00179042	7.85263752	-999.25000000	1.88664754
593.000	67.30783415	12.11739452	7.85268902	-999.25000000	1.95776275
593.500	67.81283261	14.09625609	7.85274052	-999.25000000	1.98661253
594.000	70.74287399	14.72892380	7.85279205	-999.25000000	1.96828606
594.500	73.49584622	13.82680376	7.85284347	-999.25000000	1.88392338
595.000	73.30295953	13.72884786	7.85288829	-999.25000000	1.73373604
595.500	68.70422441	13.99460492	7.85291047	-999.25000000	1.65973333
596.000	66.60027684	14.53643719	7.85293280	-999.25000000	1.65050000
596.500	67.15455052	14.77466687	7.85295515	-999.25000000	1.68050000
597.000	67.54403348	14.76809206	7.85297752	-999.25000000	1.75070218
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598.000	66.65769238	15.19966713	7.85302227	-999.25000000	1.87322986
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599.500	68.58510421	14.48333823	7.85308938	-999.25000000	1.81713380
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602.500	72.89440789	15.51566902	7.85322360	-999.25000000	1.53950000
603.000	73.81173446	15.48779003	7.85324597	-999.25000000	1.61769628
603.500	73.52547235	13.08564804	7.85326834	-999.25000000	1.69516645
604.000	73.83173178	13.31925028	7.85329071	-999.25000000	1.80330844
604.500	74.82724900	12.65095514	7.85331309	-999.25000000	1.93583000
605.000	75.73342594	14.84008202	7.85333546	-999.25000000	2.06950000
605.500	76.37245908	12.22734029	7.85335783	-999.25000000	2.22650000
606.000	79.80000952	11.99686370	7.85338020	-999.25000000	2.21550000
606.500	79.62910947	12.60378753	7.85340257	-999.25000000	2.20080484
607.000	79.50516028	13.36019417	7.85342494	-999.25000000	2.16708805
607.500	84.54630486	13.62753815	7.85344731	-999.25000000	2.14058184
608.000	84.91791589	14.80705539	7.85346968	-999.25000000	2.11522173
608.500	76.94900495	11.37657797	7.85349205	-999.25000000	2.06649897
609.000	74.46034348	10.92860953	7.85351442	-999.25000000	1.99913177
609.500	76.89910730	10.81945434	7.85353679	-999.25000000	1.97019325
610.000	77.67361152	12.54110993	7.85355916	-999.25000000	1.98415491
610.500	74.58408689	13.08224809	7.85358153	-999.25000000	2.02003234
611.000	72.80433189	12.85258841	7.85360390	-999.25000000	2.03016328
611.500	76.00342312	12.41187686	7.85362628	-999.25000000	2.01785214
612.000	80.89488721	13.70723023	7.85364865	-999.25000000	2.11456358
612.500	80.51104684	13.90215772	7.85367102	-999.25000000	2.19716226
613.000	80.05088452	10.66227436	7.85369339	-999.25000000	2.18409815
613.500	81.15509927	11.03873817	7.85371576	-999.25000000	2.19959095
614.000	80.61494696	11.36032196	7.85373813	-999.25000000	2.20755307
614.500	80.22751625	12.56304831	7.85376050	-999.25000000	2.19280560
615.000	81.02964650	14.15241716	7.85378287	-999.25000000	2.13648635
615.500	80.18755447	15.34875491	7.85380524	-999.25000000	2.08490450
616.000	77.24289788	14.33453025	7.85382761	-999.25000000	1.91144662

616.500	76.49987671	13.14566278	7.85384998	-999.25000000	1.95231091
617.000	79.04643090	13.75710093	7.85387235	-999.25000000	2.00950000
617.500	79.47849273	13.46615117	7.85389472	-999.25000000	1.91800000
618.000	79.90322059	12.30769432	7.85391710	-999.25000000	1.87300000
618.500	81.53611247	13.55627585	7.85393947	-999.25000000	1.77462742
619.000	79.73398258	14.48764270	7.85396184	-999.25000000	1.71462379
619.500	73.25858670	15.30295907	7.85398421	-999.25000000	1.68372946
620.000	67.18886482	14.13546850	7.85400658	-999.25000000	1.64413376
620.500	65.28062914	15.49817306	7.85402895	-999.25000000	1.70757287
621.000	66.07877754	15.83378196	7.85405132	-999.25000000	1.78857503
621.500	67.62295236	12.78983884	7.85407369	-999.25000000	1.91210233
622.000	69.38130472	13.42366282	7.85409606	-999.25000000	2.05300000
622.500	72.60078214	13.06959315	7.85411843	-999.25000000	2.21633333
623.000	75.57414459	9.93167341	7.85414080	-999.25000000	2.32175000
623.500	78.26169801	10.16408151	7.85416317	-999.25000000	2.34350000
624.000	79.95410804	10.41953774	7.85418554	-999.25000000	2.26240000
624.500	80.06721628	11.47270946	7.85420792	-999.25000000	2.21850000
625.000	79.92701658	12.39562966	7.85423029	-999.25000000	2.20590162
625.500	78.44643721	13.07777223	7.85425266	-999.25000000	2.17146695
626.000	77.85633840	14.19594747	7.85427503	-999.25000000	2.13677500
626.500	84.41338364	12.01679482	7.85429740	-999.25000000	2.13250509
627.000	87.91025870	11.58647754	7.85431977	-999.25000000	2.24882611
627.500	83.39238243	13.47272501	7.85434214	-999.25000000	2.32638262
628.000	82.75435942	12.03938506	7.85436451	-999.25000000	2.31791056
628.500	85.60821263	13.05831327	7.85438688	-999.25000000	2.39100575
629.000	91.26831630	13.64168807	7.85440925	-999.25000000	2.54943538
629.500	100.66039660	10.82159371	7.85443162	-999.25000000	2.62850000
630.000	102.95502067	9.58175036	7.85445399	-999.25000000	2.60050000
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631.000	105.48803277	9.39025570	7.85449874	-999.25000000	2.61150000
631.500	99.53218187	9.32387665	7.85452111	-999.25000000	2.58726887
632.000	91.82945494	9.34329391	7.85454348	-999.25000000	2.58028458
632.500	86.38142950	9.37417546	7.85456585	-999.25000000	2.57829115
633.000	83.74591756	9.48025879	7.85458822	-999.25000000	2.52841398
633.500	83.34946523	9.96779272	7.85461059	-999.25000000	2.46622720
634.000	82.47727479	10.71483807	7.85463296	-999.25000000	2.41428618
634.500	80.03278783	9.98504824	7.85465533	-999.25000000	2.34492764
635.000	77.48258562	9.91770852	7.85467770	-999.25000000	2.32260094
635.500	75.29536174	10.02655294	7.85470007	-999.25000000	2.26502331
636.000	73.33798100	10.37931195	7.85472244	-999.25000000	2.18950422
636.500	74.28440089	10.90064989	7.85474481	-999.25000000	2.09890229
637.000	75.89682118	11.14901334	7.85476718	-999.25000000	2.09736135
637.500	76.51752034	11.22474534	7.85478955	-999.25000000	2.26836538
638.000	75.65799411	10.96297571	7.85481193	-999.25000000	2.29816884
638.500	71.61073902	10.94465446	7.85483430	-999.25000000	2.28685261
639.000	69.15042287	11.05137281	7.85485667	-999.25000000	2.23578084
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640.000	65.55207755	11.69085443	7.85490141	-999.25000000	2.08123131
640.500	64.54447609	11.61338733	7.85492378	-999.25000000	1.93716667
641.000	64.28603690	11.40350888	7.85494615	-999.25000000	1.76605556
641.500	66.21622387	12.47940364	7.85496852	-999.25000000	1.67600000
642.000	68.56466923	13.77672785	7.85499089	-999.25000000	1.76203157
642.500	70.95377920	15.24362853	7.85501326	-999.25000000	1.91178388
643.000	73.77928820	-999.25000000	7.85503563	-999.25000000	1.98892280
643.500	77.45451529	-999.25000000	7.85505800	-999.25000000	2.01040432
644.000	79.31406085	-999.25000000	7.85508037	-999.25000000	1.99893710
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645.000	76.64180192	16.07880727	7.85512512	-999.25000000	1.69300000
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646.500	71.55052001	14.68566055	7.85519223	-999.25000000	1.65135154
647.000	72.16640106	15.04682411	7.85521460	-999.25000000	1.72011631
647.500	73.16784310	13.99863737	7.85523697	-999.25000000	1.81398392
648.000	72.67506120	14.67237446	7.85525934	-999.25000000	1.93159928
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655.000	80.17715954	13.42577325	7.85557253	-999.2500000	-999.2500000
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683.000	80.27046752	12.33626402	7.85682529	-999.2500000	-999.2500000
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688.000	86.85373186	11.78987792	7.85704900	-999.2500000	-999.2500000
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689.000	84.80898523	10.66670896	7.85709374	-999.2500000	-999.2500000
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694.000	90.83786089	12.59249083	7.85731745	-999.2500000	-999.2500000
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698.000	78.65058203	11.93688373	7.85749642	-999.2500000	-999.2500000
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703.000	95.00873579	11.51357391	7.85772012	-999.2500000	-999.2500000
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704.000	89.90769280	12.21626832	7.85776487	-999.2500000	-999.2500000
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705.000	89.81578272	14.27456837	7.85780961	-999.2500000	-999.2500000
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707.000	96.01140280	-999.2500000	7.85789909	-999.2500000	-999.2500000
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710.500	85.65351716	-999.2500000	7.85805569	-999.2500000	-999.2500000
711.000	84.54441383	13.41636873	7.85807806	-999.2500000	-999.2500000
711.500	82.51674112	11.55893070	7.85810043	-999.2500000	-999.2500000
712.000	81.52676817	10.55322772	7.85812280	-999.2500000	-999.2500000
712.500	82.15312630	11.10226319	7.85814517	-999.2500000	-999.2500000
713.000	84.00899329	11.17765468	7.85816754	-999.2500000	-999.2500000
713.500	88.12229530	10.83024101	7.85818991	-999.2500000	-999.2500000
714.000	89.29737699	11.42058553	7.85821228	-999.2500000	-999.2500000
714.500	88.93542280	11.26356824	7.85823465	-999.2500000	-999.2500000
715.000	88.10125839	11.74955021	7.85825702	-999.2500000	-999.2500000
715.500	88.63318650	11.29036096	7.85827939	-999.2500000	-999.2500000
716.000	89.57581563	11.48351954	7.85830176	-999.2500000	-999.2500000
716.500	89.92484038	12.26082350	7.85832413	-999.2500000	-999.2500000
717.000	88.47099234	13.67201913	7.85834651	-999.2500000	-999.2500000
717.500	79.20092077	14.65577555	7.85836888	-999.2500000	-999.2500000
718.000	79.41730726	13.31518062	7.85839125	-999.2500000	-999.2500000

718.500	81.60560028	13.92355274	7.85841362	-999.25000000	-999.25000000
719.000	81.78750472	13.58358588	7.85843599	-999.25000000	-999.25000000
719.500	81.14318222	12.66142899	7.85845836	-999.25000000	-999.25000000
720.000	81.56359682	13.17060572	7.85848073	-999.25000000	-999.25000000
720.500	81.63414854	12.93885531	7.85850310	-999.25000000	-999.25000000
721.000	81.65549615	14.44643082	7.85852547	-999.25000000	-999.25000000
721.500	80.37483700	14.07076037	7.85854784	-999.25000000	-999.25000000
722.000	78.33563331	13.43172190	7.85857021	-999.25000000	-999.25000000
722.500	76.76559921	12.90125148	7.85859258	-999.25000000	-999.25000000
723.000	75.89458615	13.25597222	7.85861495	-999.25000000	-999.25000000
723.500	76.46390179	13.24189439	7.85863732	-999.25000000	-999.25000000
724.000	78.31680240	12.55613652	7.85865970	-999.25000000	-999.25000000
724.500	78.78032445	12.94234850	7.85868207	-999.25000000	-999.25000000
725.000	76.89792731	13.55337471	7.85870444	-999.25000000	-999.25000000
725.500	74.39543664	11.58234851	7.85872681	-999.25000000	-999.25000000
726.000	72.95100456	11.23518317	7.85874918	-999.25000000	-999.25000000
726.500	73.09318235	11.15813699	7.85877155	-999.25000000	-999.25000000
727.000	75.23323706	12.65569755	7.85879392	-999.25000000	-999.25000000
727.500	76.79784511	14.72419951	7.85881629	-999.25000000	-999.25000000
728.000	78.58651620	12.85059862	7.85883866	-999.25000000	-999.25000000
728.500	81.52644519	14.79529329	7.85886103	-999.25000000	-999.25000000
729.000	84.23088045	14.47413830	7.85888340	-999.25000000	-999.25000000
729.500	84.51660141	14.33652389	7.85890577	-999.25000000	-999.25000000
730.000	82.06890506	13.01058512	7.85892814	-999.25000000	-999.25000000
730.500	80.95015900	12.25726429	7.85895052	-999.25000000	-999.25000000
731.000	82.44118599	9.63510105	7.85897289	-999.25000000	-999.25000000
731.500	82.03718739	9.81459577	7.85899526	-999.25000000	-999.25000000
732.000	79.61786872	10.48692077	7.85901763	-999.25000000	-999.25000000
732.500	76.16378145	11.10066656	7.85904000	-999.25000000	-999.25000000
733.000	73.27127195	11.34810065	7.85906237	-999.25000000	-999.25000000
733.500	72.27779788	11.99836970	7.85908474	-999.25000000	-999.25000000
734.000	73.74998911	12.63716794	7.85910711	-999.25000000	-999.25000000
734.500	77.42833063	13.31056144	7.85912948	-999.25000000	-999.25000000
735.000	75.51136934	13.42005311	7.85915185	-999.25000000	-999.25000000
735.500	72.35102705	11.22255618	7.85917422	-999.25000000	2.14152896
736.000	68.29091135	10.97576247	7.85919659	-999.25000000	2.16465306
736.500	62.40597619	10.26116471	7.85921896	26.34000000	2.28274231
737.000	60.98304908	9.63193264	7.85924134	16.76888889	2.39703830
737.500	62.72881780	9.61930122	7.85926371	12.18000000	2.49948787
738.000	70.16074289	9.71622253	7.85928608	14.51120000	2.46050000
738.500	76.78298579	10.11419817	7.85930845	16.18000000	2.44150000
739.000	70.96122344	9.69539396	7.85933082	13.82000000	2.46995714
739.500	70.52540194	9.72503399	7.85935319	9.02000000	2.53912923
740.000	72.57660502	9.80957332	7.85937556	11.70721951	2.55406311
740.500	71.23091166	9.79429343	7.85939793	14.02000000	2.46572091
741.000	67.49316587	9.44776115	7.85942030	14.34000000	2.46893272
741.500	61.57451106	9.19771141	7.85944267	14.94000000	2.45841624
742.000	52.01982460	9.08243025	7.85946504	13.78000000	2.47309057
742.500	45.98009372	9.03074882	7.85948741	14.97571429	2.45943602
743.000	41.67925835	8.99033371	7.85950978	15.94000000	2.44120358
743.500	39.73765905	8.93893374	7.85953216	16.06000000	2.43443449
744.000	38.48758195	8.89168355	7.85955453	16.66000000	2.42560717
744.500	39.50649043	8.86593569	7.85957690	16.82000000	2.42212123
745.000	41.92919757	8.84567052	7.85959927	15.34000000	2.44764243
745.500	45.98772305	8.84725140	7.85962164	15.86000000	2.44048191
746.000	51.26263560	8.84789361	7.85964401	15.94000000	2.44011693
746.500	54.81066055	8.86987204	7.85966638	16.78000000	2.42490725
747.000	53.01754549	8.84909119	7.85968875	18.26000000	2.40235057
747.500	47.50534435	8.82725025	7.85971112	20.26000000	2.34576413
748.000	41.15607835	8.80613055	7.85973349	22.50000000	2.33061684
748.500	32.18092005	8.80312857	7.85975586	22.58000000	2.32979161
749.000	31.49880686	8.76668813	7.85977823	21.04582070	2.34658729
749.500	33.79060582	8.76760639	7.85980060	19.93778968	2.37037313
750.000	35.61654917	8.76777940	7.85982298	18.77744782	2.39223350
750.500	40.49888091	8.78798891	7.85984535	17.66000000	2.42409077
751.000	47.34281570	8.82743697	7.85986772	15.50000000	2.44576021
751.500	65.86147240	8.88609208	7.85989009	12.75300000	2.47800578
752.000	80.21440853	9.03234218	7.85991246	10.54000000	2.52646712

752.500	85.34135095	9.37629784	7.85993483	12.78000000	2.49794892
753.000	85.26166094	9.48494139	7.85995720	11.47200000	2.49658006
753.500	84.26904310	9.58594510	7.85997957	9.58000000	2.53958831
754.000	81.84341330	9.91778223	7.86000194	9.10000000	2.54663207
754.500	83.96655600	9.60305330	7.86002431	8.38000000	2.56221302
755.000	84.36626783	9.52413109	7.86004668	7.82000000	2.56890333
755.500	72.61242111	9.51916540	7.86006905	6.90000000	2.57785886
756.000	63.84617432	9.40402078	7.86009142	5.98000000	2.59892543
756.500	63.15462924	9.30956081	7.86011379	6.57637392	2.58808128
757.000	72.17617517	9.26694865	7.86013617	5.66230990	2.61185836
757.500	75.62743379	9.24907360	7.86015854	6.58463611	2.59335576
758.000	73.96412730	9.24406192	7.86018091	7.74000000	2.57356186
758.500	65.80572223	9.24437862	7.86020328	8.66000000	2.56516298
759.000	67.16961578	9.24377838	7.86022565	9.42000000	2.55027693
759.500	72.29011554	9.24541388	7.86024802	11.35080000	2.51464108
760.000	75.22799662	9.27594414	7.86027039	12.94000000	2.48369837
760.500	73.56835789	9.78493060	7.86029276	16.34000000	2.37638553
761.000	67.01312363	9.72932701	7.86031513	24.62000000	2.29418180
761.500	70.84538415	9.41696067	7.86033750	27.78000000	2.23273535
762.000	72.71134170	10.84785702	7.86035987	22.71400000	2.35083506
762.500	72.85132818	9.23787775	7.86038224	17.94000000	2.42430143
763.000	71.25619652	9.34864014	7.86040461	21.82000000	2.34159910
763.500	65.12073995	9.27915018	7.86042699	18.42800000	2.36370883
764.000	54.09605273	8.75513715	7.86044936	16.86000000	2.42422900
764.500	46.10870573	8.60897210	7.86047173	17.86000000	2.41109241
765.000	44.21087951	8.56075586	7.86049410	18.26000000	2.39591361
765.500	41.74448945	8.51387999	7.86051647	21.06000000	2.36622273
766.000	36.90141022	8.46929684	7.86053884	22.54000000	2.34108030
766.500	31.76028726	8.42347614	7.86056121	23.26000000	2.32236315
767.000	28.53409343	8.41011077	7.86058358	24.06000000	2.30520448
767.500	25.86543224	8.40937246	7.86060595	25.02000000	2.29186403
768.000	23.77484847	8.40942098	7.86062832	24.94000000	2.28964164
768.500	21.93883607	8.41025505	7.86065069	23.94000000	2.30183607
769.000	20.66335880	8.42315304	7.86067306	23.64670528	2.30501761
769.500	18.71208200	8.40804536	7.86069543	23.27064980	2.31193614
770.000	17.03895361	8.41509501	7.86071781	23.28327566	2.31371456
770.500	17.10505499	8.43455125	7.86074018	24.18000000	2.30440641
771.000	18.63785178	8.45111577	7.86076255	24.34000000	2.30255843
771.500	19.60879312	8.45255814	7.86078492	23.30000000	2.30736707
772.000	20.72041985	8.43948504	7.86080729	22.29600000	2.32684775
772.500	22.56548847	8.43049076	7.86082966	22.02000000	2.33592766
773.000	22.91542558	8.42945924	7.86085203	23.46000000	2.31910652
773.500	23.03234208	8.43083421	7.86087440	23.38000000	2.31637724
774.000	23.97279200	8.41446932	7.86089677	22.90000000	2.32268719
774.500	26.19730736	8.42808861	7.86091914	23.02000000	2.32263182
775.000	27.92196357	8.42951444	7.86094151	22.28939363	2.33261809
775.500	30.86093129	8.42940562	7.86096388	21.22907916	2.34791999
776.000	34.11738504	8.42957054	7.86098625	19.86389180	2.36218899
776.500	37.90076023	8.42978992	7.86100863	20.67153952	2.36175878
777.000	42.42176881	8.44962579	7.86103100	17.98000000	2.39461422
777.500	52.59964323	8.49325679	7.86105337	15.06125000	2.44348378
778.000	66.14864264	8.53287570	7.86107574	12.46050000	2.49580406
778.500	73.60123605	8.58884942	7.86109811	12.18000000	2.47655980
779.000	73.94691186	8.68667564	7.86112048	15.66000000	2.44555115
779.500	69.58041371	8.82462434	7.86114285	17.74000000	2.41660067
780.000	60.44975308	8.61255847	7.86116522	21.11182582	2.37956849
780.500	48.87582989	8.52843537	7.86118759	21.51895249	2.35020677
781.000	42.53950966	8.49461336	7.86120996	20.12000000	2.36083066
781.500	39.31267204	8.44833498	7.86123233	21.04000000	2.36712452
782.000	31.47427505	8.44894370	7.86125470	23.40000000	2.32801616
782.500	27.49473183	8.44963978	7.86127707	24.02000000	2.30567169
783.000	27.27432863	8.45064852	7.86129944	24.54096890	2.30198606
783.500	26.79300575	8.43006329	7.86132182	25.20026137	2.29136142
784.000	26.00362254	8.42958024	7.86134419	25.46315092	2.28494548
784.500	24.77616903	8.42938462	7.86136656	26.04000000	2.27664817
785.000	22.47836189	8.42942346	7.86138893	27.26000000	2.25677028
785.500	20.10986255	8.42942346	7.86141130	27.34000000	2.25325787
786.000	19.52916188	8.42942346	7.86143367	25.85899502	2.26723249

786.500	20.42473008	8.42942346	7.86145604	26.03655101	2.27029504
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787.500	21.32451614	8.42942346	7.86150078	26.20000000	2.27969053
788.000	21.62447254	8.42938462	7.86152315	26.64000000	2.26276413
788.500	21.91131106	8.42957785	7.86154552	26.78000000	2.25617721
789.000	21.61864848	8.42999036	7.86156789	28.22000000	2.24104879
789.500	21.29789632	8.45170082	7.86159026	28.36000000	2.23267038
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790.500	23.47492002	8.41607698	7.86163501	27.70000000	2.24397566
791.000	25.83936700	8.40946046	7.86165738	26.86000000	2.25197252
791.500	28.88669795	8.40995233	7.86167975	25.54000000	2.27263733
792.000	30.19177788	8.40987037	7.86170212	25.18000000	2.28147860
792.500	30.82711539	8.42961291	7.86172449	24.54000000	2.29012708
793.000	32.69558857	8.47377856	7.86174686	23.86000000	2.30112533
793.500	40.97806157	8.52717422	7.86176923	22.74000000	2.32303588
794.000	50.52262460	8.63363470	7.86179160	21.90000000	2.34868777
794.500	67.45465594	8.68705354	7.86181397	18.66000000	2.38669256
795.000	79.25241358	8.64807701	7.86183634	12.50000000	2.47446241
795.500	83.29706172	8.70259553	7.86185871	12.94000000	2.49085878
796.000	82.47231204	8.97411928	7.86188108	10.30000000	2.48741423
796.500	79.47142482	9.16482232	7.86190346	9.38000000	2.54203279
797.000	76.20576533	9.30987221	7.86192583	14.34000000	2.46662618
797.500	72.51789877	9.43512659	7.86194820	11.22000000	2.51335250
798.000	61.66719382	9.18169115	7.86197057	11.18000000	2.50044102
798.500	54.44104370	8.65639895	7.86199294	12.34000000	2.49837444
799.000	48.94297145	8.54955648	7.86201531	12.22000000	2.49433436
799.500	46.10905806	8.54732584	7.86203768	15.27830121	2.45783212
800.000	48.31995239	8.52863165	7.86206005	17.99772978	2.40422827
800.500	48.68118014	8.50731404	7.86208242	20.00660177	2.37183414
801.000	47.01222911	8.50916160	7.86210479	20.82681078	2.35584521
801.500	46.71572853	8.50896545	7.86212716	20.92394068	2.35467797
802.000	48.49392378	8.50894632	7.86214953	19.70000000	2.37486560
802.500	49.18633287	8.50894632	7.86217190	19.02000000	2.38228839
803.000	43.83348662	8.50894632	7.86219428	20.02000000	2.37805868
803.500	37.21850684	8.50894632	7.86221665	21.12000000	2.34735580
804.000	32.08631587	8.50897546	7.86223902	24.16000000	2.30799984
804.500	26.24257343	8.50868710	7.86226139	26.24000000	2.27448251
805.000	23.46080008	8.50803305	7.86228376	25.12000000	2.27349074
805.500	23.94576828	8.52568840	7.86230613	25.14000000	2.28295978
806.000	27.27070584	8.51992066	7.86232850	25.42000000	2.28798491
806.500	29.76187885	8.50900216	7.86235087	23.87927056	2.29952528
807.000	34.00915184	8.51875646	7.86237324	23.13715861	2.31246624
807.500	35.04461319	8.51013683	7.86239561	22.99783500	2.32061468
808.000	28.87976949	8.50729555	7.86241798	23.54000000	2.31518975
808.500	22.86929099	8.52873619	7.86244035	23.54000000	2.31104546
809.000	19.88580323	8.54786869	7.86246272	24.96000000	2.29713047
809.500	18.01078505	8.54844038	7.86248509	25.54029488	2.28085325
810.000	17.44307398	8.54852648	7.86250747	25.30009092	2.28025290
810.500	17.96386602	8.58112551	7.86252984	24.86420046	2.28830733
811.000	19.54889046	8.56852748	7.86255221	25.61615906	2.28150540
811.500	20.65252710	8.54777659	7.86257458	25.74491586	2.27671380
812.000	21.55658628	8.54675099	7.86259695	25.09613880	2.28307320
812.500	22.40429352	8.51572907	7.86261932	24.58000000	2.29278096
813.000	24.38761769	8.50203575	7.86264169	25.10000000	2.28947840
813.500	24.61495067	8.55333585	7.86266406	25.62000000	2.27747656
814.000	25.49328692	8.52925876	7.86268643	26.18000000	2.27145083
814.500	26.90499420	8.50402169	7.86270880	24.78000000	2.28848058
815.000	26.78777378	8.51536779	7.86273117	24.06000000	2.30137163
815.500	25.20744684	8.53349265	7.86275354	23.90000000	2.30372232
816.000	23.10633172	8.54929430	7.86277591	24.66000000	2.29742036
816.500	21.99424795	8.52690409	7.86279829	25.42000000	2.28241663
817.000	21.93803949	8.46902521	7.86282066	25.66000000	2.27656592
817.500	21.40986077	8.46891262	7.86284303	24.82000000	2.28339067
818.000	20.51094712	8.47467264	7.86286540	24.86000000	2.28848007
818.500	21.07818301	8.46820355	7.86288777	25.06000000	2.29018587
819.000	23.17973792	8.48943104	7.86291014	23.06000000	2.30981084
819.500	25.58127759	8.52857625	7.86293251	22.50000000	2.32767976
820.000	27.83322067	8.54822731	7.86295488	22.62000000	2.32707620

820.500	29.51614615	8.54856068	7.86297725	22.66000000	2.32532859
821.000	29.99266894	8.54874329	7.86299962	23.71440000	2.30789547
821.500	29.38935520	8.54877314	7.86302199	24.58325882	2.29586380
822.000	26.73315138	8.54865847	7.86304436	24.33816962	2.29842875
822.500	21.56824880	8.56313563	7.86306673	25.10089095	2.29110817
823.000	20.00820199	8.54936995	7.86308911	25.85764879	2.27513826
823.500	19.81623205	8.54858875	7.86311148	26.70000000	2.25923763
824.000	20.10241065	8.54852280	7.86313385	26.98000000	2.25726467
824.500	20.72132806	8.54843704	7.86315622	25.42000000	2.28223218
825.000	21.86074216	8.56112953	7.86317859	24.06065723	2.29922557
825.500	22.69043428	8.52577509	7.86320096	22.82568674	2.31666923
826.000	23.70722231	8.53442783	7.86322333	23.05131182	2.31962229
826.500	24.37938938	8.52923916	7.86324570	23.13738592	2.31838629
827.000	24.08920307	8.52876519	7.86326807	23.26739445	2.31663404
827.500	23.19374871	8.53510751	7.86329044	23.96507285	2.30216088
828.000	22.35787519	8.52887768	7.86331281	24.90000000	2.28885457
828.500	20.58916419	8.52910628	7.86333518	25.56500000	2.27898998
829.000	19.48735089	8.52882167	7.86335755	25.94000000	2.27566097
829.500	19.89952831	8.52882704	7.86337993	25.01763233	2.28577162
830.000	20.77962667	8.52882704	7.86340230	25.24186180	2.28465506
830.500	21.29573528	8.52872307	7.86342467	25.02429572	2.28737694
831.000	21.79564780	8.52829193	7.86344704	24.97154407	2.29073401
831.500	22.92376939	8.53331145	7.86346941	24.70837821	2.29370704
832.000	22.24748205	8.55455136	7.86349178	24.13310025	2.30170948
832.500	22.06144587	8.56276758	7.86351415	24.22188728	2.29989654
833.000	23.40117443	8.56919270	7.86353652	24.53614325	2.29767985
833.500	23.34314911	8.56868729	7.86355889	24.61286255	2.29679054
834.000	22.55000296	8.56846601	7.86358126	24.13274633	2.29948811
834.500	20.71031907	8.56917765	7.86360363	23.99173580	2.30538720
835.000	20.42334645	8.58353787	7.86362600	23.62883733	2.30848537
835.500	21.31822423	8.58888870	7.86364837	24.10000000	2.30273351
836.000	24.00006873	8.58859165	7.86367075	24.06000000	2.30178863
836.500	27.49083408	8.58755909	7.86369312	24.10000000	2.30255112
837.000	29.11633984	8.57899393	7.86371549	22.50000000	2.31867652
837.500	30.17438089	8.58320247	7.86373786	21.58000000	2.34686230
838.000	32.72694856	8.59031724	7.86376023	21.02000000	2.35334294
838.500	34.88511953	8.58833946	7.86378260	19.98000000	2.36719184
839.000	36.50858431	8.59333789	7.86380497	19.14000000	2.38446675
839.500	39.04389662	8.60762761	7.86382734	18.78000000	2.38933245
840.000	43.45739206	8.60843163	7.86384971	18.22000000	2.39680335
840.500	44.62629485	8.61467263	7.86387208	17.34000000	2.40940746
841.000	40.46220782	8.60842659	7.86389445	18.10000000	2.40998239
841.500	33.46029756	8.60861829	7.86391682	21.72400000	2.34454477
842.000	26.21535047	8.60099966	7.86393919	24.34000000	2.30045876
842.500	24.29412663	8.58850354	7.86396156	23.06000000	2.30996630
843.000	24.55602508	8.58863368	7.86398394	22.90000000	2.32081121
843.500	26.18929818	8.59540715	7.86400631	23.42000000	2.31760031
844.000	28.66308342	8.66211101	7.86402868	22.41466667	2.33685786
844.500	29.41902030	8.64543647	7.86405105	21.22000000	2.34955139
845.000	28.69839541	8.64346822	7.86407342	20.36000000	2.36165203
845.500	27.86802498	8.62874744	7.86409579	20.10000000	2.36946970
846.000	29.57869340	8.62865850	7.86411816	19.74000000	2.37209650
846.500	30.57369333	8.64331738	7.86414053	20.18000000	2.37025039
847.000	30.34928751	8.64919751	7.86416290	19.94000000	2.36804107
847.500	29.39871656	8.66922078	7.86418527	20.94000000	2.35546205
848.000	27.09364982	8.66200831	7.86420764	21.70000000	2.33207768
848.500	24.56170382	8.62709119	7.86423001	24.26000000	2.29194813
849.000	22.78354622	8.62838019	7.86425238	25.62000000	2.27947822
849.500	21.38716668	8.62840955	7.86427476	25.50204372	2.28361328
850.000	19.99778979	8.63614616	7.86429713	25.33347745	2.28032929
850.500	19.81993061	8.64802042	7.86431950	26.21751548	2.26522895
851.000	21.02900368	8.65265524	7.86434187	26.14126469	2.27146194
851.500	22.89068031	8.66608499	7.86436424	25.66156344	2.27899730
852.000	25.48573992	8.68742787	7.86438661	24.82049024	2.29006949
852.500	28.01490192	8.68587392	7.86440898	24.78000000	2.29046134
853.000	30.07773561	8.71328236	7.86443135	24.10000000	2.29204422
853.500	32.65333860	8.76731227	7.86445372	23.00000000	2.32154030
854.000	40.52568462	8.77497410	7.86447609	22.04000000	2.34015547

854.500	48.71479145	8.78696270	7.86449846	19.03987594	2.37752244
855.000	59.43898048	8.80595034	7.86452083	17.25761489	2.41059895
855.500	78.84027107	8.92163915	7.86454320	16.57971711	2.42667067
856.000	94.38369781	8.97366767	7.86456558	15.26309835	2.45273565
856.500	123.90656064	9.05676527	7.86458795	13.40387223	2.48494377
857.000	138.81709742	9.18069435	7.86461032	10.57984729	2.53131413
857.500	139.00861381	9.41888749	7.86463269	8.52000000	2.57047739
858.000	130.96245866	9.57388608	7.86465506	5.92000000	2.59932127
858.500	116.42262619	9.64303328	7.86467743	4.64000000	2.62967071
859.000	109.00582020	9.67602223	7.86469980	4.74000000	2.63048449
859.500	104.03744978	9.68095995	7.86472217	5.14000000	2.62180140
860.000	101.26966996	9.70189178	7.86474454	4.42000000	2.62932579
860.500	100.34390891	9.72163091	7.86476691	3.29140469	2.63807329
861.000	100.31883731	9.76286357	7.86478928	2.40496331	2.66025645
861.500	101.97101250	9.78617236	7.86481165	3.08265245	2.66374633
862.000	105.40893083	9.82094546	7.86483402	8.81243767	2.62221225
862.500	105.75771076	9.86695294	7.86485640	8.79850887	2.55897550
863.000	101.45842367	9.88011353	7.86487877	7.85750505	2.55920857
863.500	86.90045781	9.88234187	7.86490114	7.11981437	2.58071068
864.000	76.75260414	9.85803361	7.86492351	10.47707489	2.57985490
864.500	68.64007964	9.91170925	7.86494588	10.82811680	2.52801885
865.000	61.54824801	10.00681974	7.86496825	9.37697183	2.54468763
865.500	61.13185402	9.68024505	7.86499062	9.47161349	2.54749734
866.000	69.47656396	9.64643500	7.86501299	9.52356141	2.54549439
866.500	76.39747978	9.72337597	7.86503536	7.50000000	2.54043158
867.000	79.07817057	9.74489829	7.86505773	7.58000000	2.53738875
867.500	82.86545781	9.71738385	7.86508010	10.10000000	2.53499401
868.000	85.12880032	9.65968613	7.86510247	10.46000000	2.53248300
868.500	81.43608138	9.58255139	7.86512484	10.98000000	2.52429240
869.000	70.00319066	9.48746354	7.86514721	13.22000000	2.48420916
869.500	57.11822767	9.23618850	7.86516959	13.26000000	2.48170256
870.000	51.37494132	9.11069935	7.86519196	14.18000000	2.47155116
870.500	48.09693985	9.08317375	7.86521433	14.22000000	2.46922788
871.000	45.68936664	9.07051155	7.86523670	12.54000000	2.49137326
871.500	42.23529048	9.06528854	7.86525907	12.51631905	2.48517552
872.000	40.00161436	9.06013351	7.86528144	14.10259750	2.47363081
872.500	39.20317754	9.05129000	7.86530381	12.66243404	2.48561640
873.000	39.39684547	9.04572717	7.86532618	13.29926742	2.48251966
873.500	42.11060278	9.04500087	7.86534855	13.27695371	2.49096020
874.000	49.17573572	9.08165018	7.86537092	11.72781119	2.50434978
874.500	51.56973466	9.08567162	7.86539329	14.53600000	2.45782427
875.000	53.44022235	9.10717579	7.86541566	16.74000000	2.42347871
875.500	55.25037911	9.27130293	7.86543803	17.68000000	2.41123009
876.000	56.36616216	9.33747765	7.86546041	17.66000000	2.41570237
876.500	58.35321386	8.84201168	7.86548278	16.50000000	2.43119791
877.000	59.79712763	8.98447784	7.86550515	15.12000000	2.44487687
877.500	55.75570781	8.95283341	7.86552752	14.90000000	2.45567902
878.000	41.04117924	8.94295377	7.86554989	17.33750000	2.43489444
878.500	34.62576984	8.84212442	7.86557226	20.65000000	2.37907081
879.000	31.75973615	8.77144790	7.86559463	23.04000000	2.32829266
879.500	31.76516767	8.74601827	7.86561700	23.70000000	2.31259883
880.000	31.96704780	8.75084317	7.86563937	24.08000000	2.30903122
880.500	32.40252508	8.76763921	7.86566174	21.38000000	2.33813452
881.000	32.06127597	8.76802524	7.86568411	20.74000000	2.35959095
881.500	31.85629920	8.78234511	7.86570648	20.42000000	2.36343926
882.000	31.48452353	8.78797076	7.86572885	20.09263844	2.36798092
882.500	31.97193331	8.78708565	7.86575123	19.70389743	2.37250599
883.000	32.99405346	8.79221460	7.86577360	19.69125418	2.37515335
883.500	32.16080458	8.80647692	7.86579597	20.03925983	2.37139701
884.000	28.47143709	8.80724509	7.86581834	19.70000000	2.36667725
884.500	27.89205513	8.81223202	7.86584071	21.42000000	2.34795027
885.000	28.42288390	8.80615174	7.86586308	21.78000000	2.34131383
885.500	28.50439939	8.78583693	7.86588545	21.54000000	2.34487134
886.000	27.34034224	8.78693104	7.86590782	21.54000000	2.34135938
886.500	26.67938515	8.78730114	7.86593019	22.94000000	2.32807015
887.000	26.87242503	8.78680857	7.86595256	23.81539749	2.30701200
887.500	27.46586642	8.78650147	7.86597493	24.12914463	2.30694073
888.000	31.03815704	8.82171037	7.86599730	21.24168760	2.34463323

888.500	37.23229564	8.82635999	7.86601967	19.98062730	2.36910111
889.000	47.45751918	8.87226392	7.86604205	18.82507850	2.39072050
889.500	59.11022969	8.94701889	7.86606442	16.59749373	2.41685215
890.000	70.39589435	9.01451515	7.86608679	12.90967360	2.48348331
890.500	81.64291601	9.14536810	7.86610916	10.37858386	2.52828833
891.000	88.11093860	9.22383636	7.86613153	10.25447505	2.53270714
891.500	86.41294984	9.26520397	7.86615390	10.54000000	2.52999127
892.000	74.15590736	9.26610043	7.86617627	11.82000000	2.50995875
892.500	68.29531047	9.24478730	7.86619864	11.82000000	2.50609865
893.000	70.03441586	9.22593459	7.86622101	11.34000000	2.51458175
893.500	75.09791308	9.24393772	7.86624338	9.70000000	2.53425778
894.000	79.31276662	9.26317193	7.86626575	10.66000000	2.53676871
894.500	79.29982814	9.30364398	7.86628812	10.70000000	2.52707940
895.000	72.84432881	9.56288596	7.86631049	9.56133234	2.54548746
895.500	66.65091699	9.77120336	7.86633286	11.08774128	2.52077120
896.000	60.69383972	9.12725026	7.86635524	13.54800000	2.47759198
896.500	55.20421069	8.99797206	7.86637761	14.62000000	2.45891688
897.000	52.71154335	8.92848853	7.86639998	16.62000000	2.43278188
897.500	46.41548169	8.87108627	7.86642235	18.78000000	2.40201580
898.000	36.38493425	8.80710511	7.86644472	20.38577778	2.37252303
898.500	28.22097193	8.73830916	7.86646709	21.97933333	2.33319932
899.000	22.56213292	8.64062649	7.86648946	24.38000000	2.30312788
899.500	21.79327846	8.60829529	7.86651183	24.06000000	2.29768939
900.000	22.23191230	8.59861918	7.86653420	21.74000000	2.32718321
900.500	24.56688283	8.60129601	7.86655657	20.70000000	2.35686741
901.000	26.01269923	8.60797640	7.86657894	20.74000000	2.35818223
901.500	26.99884733	8.60837902	7.86660131	20.94000000	2.35530997
902.000	27.87937693	8.60824276	7.86662368	21.50000000	2.34961023
902.500	29.80482045	8.60779685	7.86664606	21.70000000	2.34449634
903.000	31.23001734	8.61469637	7.86666843	21.42000000	2.34760130
903.500	33.64190643	8.60513828	7.86669080	21.46000000	2.34860260
904.000	34.67906530	8.63156685	7.86671317	21.90000000	2.34602294
904.500	35.60813178	8.62947490	7.86673554	19.70000000	2.36526436
905.000	35.73681842	8.60769771	7.86675791	19.06000000	2.38561225
905.500	36.26359955	8.60793685	7.86678028	19.02000000	2.38761520
906.000	35.41041537	8.59341963	7.86680265	19.42000000	2.38716416
906.500	34.49356988	8.58808314	7.86682502	20.66000000	2.36713610
907.000	31.17797391	8.58836522	7.86684739	22.66800000	2.33026605
907.500	24.22649792	8.58846918	7.86686976	25.46000000	2.29034992
908.000	20.00528517	8.58846918	7.86689213	25.50000000	2.28521376
908.500	18.01774874	8.58846918	7.86691450	24.74000000	2.29018500
909.000	17.73295975	8.58857315	7.86693688	25.02000000	2.28861786
909.500	17.72371276	8.58882640	7.86695925	25.46000000	2.28118500
910.000	18.02958146	8.58316320	7.86698162	25.94000000	2.27393697
910.500	18.05110328	8.56965614	7.86700399	26.38000000	2.26456489
911.000	18.64038261	8.58737822	7.86702636	27.62000000	2.24874717
911.500	20.44781923	8.59374170	7.86704873	27.58000000	2.24999302
912.000	21.71134888	8.60778955	7.86707110	26.29736078	2.26413915
912.500	22.22308479	8.60847236	7.86709347	25.93890695	2.27074206
913.000	21.63332139	8.60827941	7.86711584	26.14000000	2.27065188
913.500	20.03795360	8.60793038	7.86713821	25.74000000	2.27523253
914.000	18.91351564	8.61311992	7.86716058	25.30000000	2.28052727
914.500	18.30780816	8.62838740	7.86718295	26.30000000	2.27210264
915.000	18.02245044	8.64394230	7.86720532	25.98000000	2.27249450
915.500	18.23892712	8.66975591	7.86722770	25.30000000	2.28255944
916.000	19.22086252	8.66829851	7.86725007	25.22000000	2.28629011
916.500	21.38746419	8.66776279	7.86727244	24.58000000	2.29490265
917.000	24.60125148	8.67318441	7.86729481	23.34800000	2.31355042
917.500	28.42535562	8.70707097	7.86731718	22.58000000	2.32957579
918.000	32.71386291	8.72772514	7.86733955	21.18000000	2.34625798
918.500	39.74153986	8.74127295	7.86736192	19.50000000	2.37000747
919.000	43.43044081	8.76578974	7.86738429	18.22000000	2.39529301
919.500	44.01928403	8.78815360	7.86740666	17.30000000	2.41198294
920.000	43.08741653	8.79174419	7.86742903	17.26000000	2.41330093
920.500	41.12450117	8.80484430	7.86745140	18.10000000	2.40468458
921.000	38.05770398	8.82545769	7.86747377	18.26000000	2.40233450
921.500	30.97054148	8.84816835	7.86749614	19.92775000	2.37868236
922.000	26.21343291	8.79178788	7.86751852	22.08133333	2.33962181

922.500	25.16001276	8.78861641	7.86754089	23.54000000	2.31625006
923.000	26.01894464	8.76791178	7.86756326	23.74000000	2.30841655
923.500	26.70995877	8.76753328	7.86758563	23.42000000	2.31325105
924.000	27.05107645	8.76703320	7.86760800	22.50000000	2.32524357
924.500	28.28074188	8.76815439	7.86763037	22.10000000	2.33260438
925.000	28.46688126	8.75198856	7.86765274	22.50000000	2.33200168
925.500	28.48073120	8.78071223	7.86767511	20.74000000	2.35016314
926.000	28.76613975	8.83335665	7.86769748	17.54000000	2.39533826
926.500	30.79000037	8.91285916	7.86771985	17.58000000	2.40563364
927.000	33.44979267	8.92614185	7.86774222	18.46000000	2.39674481
927.500	33.83883672	8.92656824	7.86776459	18.86000000	2.39687536
928.000	34.25942786	8.93325066	7.86778696	16.23200000	2.41651996
928.500	37.20786562	8.93723070	7.86780933	14.54000000	2.44923806
929.000	41.62088310	8.94735171	7.86783171	14.30000000	2.46652688
929.500	40.86168975	8.95756340	7.86785408	14.70000000	2.45993771
930.000	37.14816682	8.96479802	7.86787645	15.54000000	2.45054660
930.500	33.04516702	8.95189312	7.86789882	16.50000000	2.42685541
931.000	30.09437592	8.94642167	7.86792119	17.82000000	2.40346576
931.500	28.11701845	8.94631415	7.86794356	19.38000000	2.37971344
932.000	27.06476406	8.94631192	7.86796593	20.37649582	2.36857217
932.500	26.65470716	8.94632207	7.86798830	18.22450352	2.39091298
933.000	26.75733984	8.94632207	7.86801067	18.76580108	2.39686147
933.500	27.83023835	8.94632207	7.86803304	18.30756114	2.39870660
934.000	30.07302761	8.94632207	7.86805541	17.10306985	2.41175521
934.500	32.73692164	8.94632207	7.86807778	17.05503148	2.41944485
935.000	35.06922248	8.94632207	7.86810015	16.70000000	2.42340607
935.500	35.61676616	8.94632207	7.86812253	18.02000000	2.40857487
936.000	31.63368041	8.94632207	7.86814490	19.98000000	2.38341836
936.500	25.28638368	8.94630294	7.86816727	20.54031973	2.36336736
937.000	22.87464203	8.94613592	7.86818964	19.97742446	2.36757662
937.500	22.87853274	8.94777814	7.86821201	21.01698657	2.35633365
938.000	23.63446210	8.92597927	7.86823438	21.74000000	2.34902733
938.500	27.29749746	8.91698517	7.86825675	20.98000000	2.34929563
939.000	30.49739244	8.91390466	7.86827912	19.62000000	2.37378050
939.500	31.45542979	8.92650904	7.86830149	18.32834501	2.39838615
940.000	32.91108979	8.94158016	7.86832386	17.46401162	2.40958381
940.500	34.85568986	8.95160237	7.86834623	17.73499647	2.40603285
941.000	34.43986657	8.95611894	7.86836860	18.08000000	2.40506063
941.500	32.94598172	8.96087134	7.86839097	18.60000000	2.39504585
942.000	31.52598315	8.96588951	7.86841335	19.76000000	2.37791082
942.500	32.32352277	8.95784883	7.86843572	19.92000000	2.37536281
943.000	34.21780733	8.94730976	7.86845809	18.30000000	2.39349856
943.500	33.09743977	8.96567249	7.86848046	17.48000000	2.40790354
944.000	31.31215995	8.96578248	7.86850283	17.62000000	2.40786551
944.500	31.71655533	8.95004487	7.86852520	17.62000000	2.40975046
945.000	35.89802123	8.94652416	7.86854757	16.88000000	2.42350807
945.500	38.94393859	8.94691624	7.86856994	16.25851618	2.43110851
946.000	38.91623485	8.96754004	7.86859231	16.07626059	2.43709244
946.500	37.02982509	8.96649012	7.86861468	16.39673631	2.43181494
947.000	33.44225683	8.96614428	7.86863705	17.18469801	2.42033836
947.500	29.67288622	8.96812958	7.86865942	18.44000000	2.40062017
948.000	28.53762097	8.96629899	7.86868179	18.96000000	2.39404806
948.500	27.64878786	8.96653861	7.86870417	17.44000000	2.40806505
949.000	27.27851683	8.96571509	7.86872654	17.42000000	2.41354374
949.500	27.54424768	8.94533831	7.86874891	17.26000000	2.41603298
950.000	29.48621150	8.96711770	7.86877128	17.53979899	2.41527810
950.500	32.35991358	8.96017910	7.86879365	17.66000000	2.41455219
951.000	32.91250001	8.96680357	7.86881602	17.18000000	2.41970304
951.500	32.15858339	8.98132413	7.86883839	15.70000000	2.43384981
952.000	31.44343197	8.98631276	7.86886076	15.30000000	2.44554546
952.500	32.28482317	8.98557677	7.86888313	16.90000000	2.42307019
953.000	32.95443244	8.96459233	7.86890550	17.86000000	2.40519383
953.500	32.46911454	8.96511442	7.86892787	18.02000000	2.40458082
954.000	30.78385769	8.95284342	7.86895024	18.38000000	2.39139519
954.500	29.04584118	8.96551227	7.86897261	19.70000000	2.37753388
955.000	28.85692833	8.96650580	7.86899498	19.54028808	2.37719746
955.500	30.17012331	8.96686638	7.86901736	19.30511635	2.38387148
956.000	31.72504089	8.98742784	7.86903973	18.57558644	2.39771347

956.500	31.77579326	8.98642880	7.86906210	17.26000000	2.40770231
957.000	32.06246862	8.98602522	7.86908447	17.02000000	2.42001652
957.500	32.34384496	8.98642880	7.86910684	17.86000000	2.41779023
958.000	32.05489002	8.98742784	7.86912921	18.18000000	2.40248552
958.500	32.01536119	8.96684261	7.86915158	18.14000000	2.40022801
959.000	34.53859289	8.96635956	7.86917395	16.98000000	2.40962580
959.500	36.20845509	8.96616394	7.86919632	16.78000000	2.41984043
960.000	37.93532549	8.96618365	7.86921869	17.78040201	2.41257639
960.500	39.78324617	8.96601664	7.86924106	17.96000000	2.40458471
961.000	38.93112386	8.96752323	7.86926343	17.78065257	2.40661485
961.500	36.95229895	8.94515756	7.86928580	18.76059705	2.39283405
962.000	34.16017889	8.94595250	7.86930818	19.10202448	2.38878929
962.500	30.86149265	8.93152861	7.86933055	18.44078381	2.39557741
963.000	27.93620549	8.92540245	7.86935292	18.64000000	2.39562464
963.500	27.24840496	8.91208578	7.86937529	18.58000000	2.39355983
964.000	28.25148182	8.87005751	7.86939766	18.60000000	2.39690915
964.500	29.07978263	8.86649534	7.86942003	19.24000000	2.38884686
965.000	29.96149913	8.86671437	7.86944240	20.20000000	2.37128982
965.500	30.55753891	8.86679920	7.86946477	20.34000000	2.37130667
966.000	30.83473175	8.86693665	7.86948714	19.18000000	2.38933786
966.500	31.53640006	8.86730771	7.86950951	18.16000000	2.40002159
967.000	32.27967803	8.86127870	7.86953188	17.18000000	2.41151310
967.500	32.71155279	8.83266224	7.86955425	17.15462475	2.41457208
968.000	31.46441372	8.82688617	7.86957662	18.59873583	2.37719696
968.500	30.25180950	8.82231432	7.86959900	19.92082847	2.37154354
969.000	29.65540137	8.80909059	7.86962137	19.92000000	2.37002989
969.500	29.65229245	8.78779371	7.86964374	20.42000000	2.36662414
970.000	29.71201169	8.78739965	7.86966611	20.78000000	2.36442318
970.500	30.81833708	8.78723750	7.86968848	19.46000000	2.37214903
971.000	30.57359877	8.78727634	7.86971085	18.54000000	2.38942893
971.500	30.19726973	8.78727634	7.86973322	18.54000000	2.39227892
972.000	29.66479330	8.78727634	7.86975559	19.71600000	2.37586502
972.500	29.19630701	8.78724287	7.86977796	20.26000000	2.36931708
973.000	28.88763235	8.78715388	7.86980033	20.22000000	2.37444538
973.500	29.90511787	8.78789466	7.86982270	18.94000000	2.39013891
974.000	29.69773524	8.80177647	7.86984507	18.02200000	2.40257185
974.500	31.13629686	8.80581271	7.86986744	17.34000000	2.41381889
975.000	33.44562446	8.83143323	7.86988982	17.38000000	2.41251613
975.500	35.24878458	8.84617253	7.86991219	17.94000000	2.40958252
976.000	36.54070359	8.84705065	7.86993456	16.82000000	2.41819913
976.500	38.04041129	8.84740124	7.86995693	17.38000000	2.41395743
977.000	39.19864824	8.84864887	7.86997930	18.34000000	2.39864275
977.500	40.35021995	8.82274628	7.87000167	19.18000000	2.38741330
978.000	40.15098620	8.80790302	7.87002404	19.46000000	2.38119329
978.500	38.53540654	8.80699576	7.87004641	19.22000000	2.38321345
979.000	36.23268565	8.80712358	7.87006878	18.74000000	2.39208877
979.500	34.67259703	8.80713793	7.87009115	17.62000000	2.40310915
980.000	33.59604888	8.80697091	7.87011352	17.18000000	2.41384923
980.500	31.13422430	8.80844403	7.87013589	18.82000000	2.39290447
981.000	30.47785828	8.78598937	7.87015826	19.42000000	2.38461589
981.500	30.32487035	8.78748162	7.87018064	18.67518844	2.39269310
982.000	28.98356529	8.78748162	7.87020301	18.37486137	2.39794800
982.500	26.10385918	8.78602821	7.87022538	18.21848404	2.40019095
983.000	25.77712328	8.80828725	7.87024775	17.66000000	2.40735369
983.500	27.28682998	8.80622712	7.87027012	17.02000000	2.41924809
984.000	27.83731879	8.78552683	7.87029249	17.78000000	2.41544722
984.500	28.51265255	8.79186236	7.87031486	18.22000000	2.40251882
985.000	28.18361490	8.80659701	7.87033723	17.70000000	2.40654486
985.500	29.12434138	8.80726039	7.87035960	18.62000000	2.39119738
986.000	29.11423647	8.80697525	7.87038197	19.26000000	2.38180874
986.500	27.07170731	8.80893214	7.87040434	19.66000000	2.37591583
987.000	26.03105579	8.78756297	7.87042671	19.98000000	2.37059685
987.500	27.46823663	8.76265045	7.87044908	19.90000000	2.37169630
988.000	31.34053523	8.72705494	7.87047145	19.42000000	2.38497395
988.500	34.72121524	8.72712759	7.87049383	18.22000000	2.39848412
989.000	35.94399029	8.72762986	7.87051620	17.81935700	2.40547815
989.500	33.83218244	8.72767303	7.87053857	19.41814500	2.38087901
990.000	32.13655453	8.72744828	7.87056094	20.40520925	2.36503597

990.500	30.84447072	8.72745334	7.87058331	21.06000000	2.35335465
991.000	30.18291122	8.70829891	7.87060568	20.94000000	2.35471864
991.500	29.59970482	8.68423318	7.87062805	21.10000000	2.35232748
992.000	28.47570079	8.62947975	7.87065042	21.54000000	2.34829450
992.500	25.18422580	8.61074532	7.87067279	22.06000000	2.33683303
993.000	23.72206655	8.59664427	7.87069516	23.82000000	2.31391152
993.500	24.32139249	8.56821747	7.87071753	24.90000000	2.29239352
994.000	25.79333830	8.56942548	7.87073990	25.22000000	2.28474346
994.500	26.96986851	8.58847297	7.87076227	24.50000000	2.29770583
995.000	28.15633063	8.58776828	7.87078465	22.64000000	2.32636172
995.500	28.86663154	8.56698872	7.87080702	22.41750020	2.33093448
996.000	29.33615572	8.57275260	7.87082939	22.29256831	2.33639556
996.500	31.20604334	8.57303563	7.87085176	21.87738443	2.34276232
997.000	34.41627049	8.57385538	7.87087413	21.30000000	2.34937114
997.500	37.37335992	8.57653501	7.87089650	21.38000000	2.35054239
998.000	40.44904687	8.56859022	7.87091887	20.30000000	2.36477696
998.500	40.51196772	8.58735840	7.87094124	19.32695274	2.38019011
999.000	37.36087356	8.57218798	7.87096361	19.07541896	2.38182186
999.500	33.69388310	8.58733911	7.87098598	21.90067329	2.34900505
1000.000	29.24984727	8.57879953	7.87100835	23.44046164	2.32485257
1000.500	26.97250265	8.56890935	7.87103072	23.51930939	2.31934698
1001.000	27.54881755	8.57099525	7.87105309	22.61964987	2.33045174
1001.500	28.55332321	8.56226756	7.87107547	21.94606460	2.33922208
1002.000	28.74764083	8.57048294	7.87109784	21.02860119	2.35036999
1002.500	30.28804311	8.54921650	7.87112021	21.59943184	2.34444331
1003.000	31.57487607	8.55939930	7.87114258	23.38000000	2.31614542
1003.500	31.66326063	8.57242566	7.87116495	24.18000000	2.30072157
1004.000	30.87031637	8.57152966	7.87118732	25.17400000	2.28761351
1004.500	29.84705969	8.59030138	7.87120969	25.50000000	2.28430379
1005.000	29.65708788	8.60189410	7.87123206	24.54000000	2.29457902
1005.500	31.10377746	8.63003717	7.87125443	24.62000000	2.29639851
1006.000	32.90891403	8.62677248	7.87127680	23.47800000	2.31265409
1006.500	34.09296984	8.65009082	7.87129917	22.06000000	2.33526706
1007.000	34.81218658	8.66216553	7.87132154	20.86200000	2.35319410
1007.500	36.31352474	8.65290084	7.87134391	19.26000000	2.38460009
1008.000	40.39687377	8.65296496	7.87136629	16.82000000	2.41351323
1008.500	45.33349255	8.67625124	7.87138866	16.58000000	2.42752860
1009.000	46.89595465	8.72810590	7.87141103	16.02000000	2.44209533
1009.500	48.82036172	8.74889178	7.87143340	14.11703875	2.46494169
1010.000	50.38956228	8.74635948	7.87145577	13.52617517	2.47369607
1010.500	48.18311864	8.78854033	7.87147814	17.46317783	2.41798410
1011.000	41.03189365	8.81407128	7.87150051	20.18424182	2.37485996
1011.500	35.86282077	8.80580223	7.87152288	22.18532850	2.34506181
1012.000	33.53338058	8.75442552	7.87154525	22.49747757	2.33250184
1012.500	32.61149568	8.68977660	7.87156762	20.58000000	2.35030334
1013.000	32.63673925	8.61106502	7.87158999	21.34000000	2.35400987
1013.500	32.95400170	8.59287870	7.87161236	21.74000000	2.34339456
1014.000	33.25220990	8.58704156	7.87163473	21.02000000	2.34915211
1014.500	32.46174455	8.57207148	7.87165710	20.62000000	2.35738680
1015.000	30.80870429	8.58741418	7.87167948	21.10000000	2.35372380
1015.500	31.19678174	8.58859978	7.87170185	22.38000000	2.33366317
1016.000	33.54594506	8.58981121	7.87172422	22.38000000	2.32839269
1016.500	34.77014387	8.56753282	7.87174659	22.26000000	2.31603462
1017.000	34.40683504	8.57613168	7.87176896	24.62000000	2.29842167
1017.500	31.79648172	8.54717940	7.87179133	24.18000000	2.29964218
1018.000	31.16207370	8.54835192	7.87181370	22.66000000	2.32303723
1018.500	31.15632848	8.54868382	7.87183607	21.74000000	2.33664856
1019.000	31.13989710	8.54882569	7.87185844	19.86000000	2.35528698
1019.500	31.82056068	8.54946518	7.87188081	19.86000000	2.37023273
1020.000	32.34370600	8.57086717	7.87190318	20.22000000	2.36782080
1020.500	32.61709487	8.59158144	7.87192555	20.04000000	2.36845927
1021.000	33.84701748	8.57436168	7.87194792	20.40000000	2.36421132
1021.500	34.21272408	8.58767045	7.87197030	21.20000000	2.35373123
1022.000	34.49273755	8.57215609	7.87199267	22.30000000	2.33845705
1022.500	35.35437843	8.58760622	7.87201504	23.02000000	2.32130033
1023.000	35.62996041	8.58586471	7.87203741	23.42000000	2.31444152
1023.500	34.81864907	8.56795805	7.87205978	24.60000000	2.29883692
1024.000	33.03067107	8.55401657	7.87208215	24.98000000	2.29214713

1024.500	31.70595724	8.54131267	7.87210452	24.20000000	2.30027249
1025.000	29.75133324	8.52952482	7.87212689	23.86000000	2.30530346
1025.500	29.35210983	8.54432992	7.87214926	23.98000000	2.30566340
1026.000	29.57531525	8.53430594	7.87217163	23.10000000	2.31937246
1026.500	30.79114552	8.53015293	7.87219400	22.12000000	2.33510690
1027.000	31.87124939	8.55165598	7.87221637	21.48000000	2.34634876
1027.500	32.04917662	8.52996358	7.87223874	20.64000000	2.35576807
1028.000	32.05948626	8.52959451	7.87226112	20.56000000	2.35858989
1028.500	32.07555232	8.55007839	7.87228349	21.58000000	2.34783786
1029.000	32.57894354	8.54959588	7.87230586	21.98000000	2.33713342
1029.500	33.80512555	8.54438712	7.87232823	22.14000000	2.33522422
1030.000	33.40565153	8.55064128	7.87235060	21.62000000	2.34171132
1030.500	32.08712740	8.54896407	7.87237297	20.80000000	2.35376135
1031.000	31.72727071	8.54876760	7.87239534	22.44000000	2.33118631
1031.500	31.45298401	8.54807973	7.87241771	23.18000000	2.31835768
1032.000	31.17153495	8.53392727	7.87244008	22.64000000	2.32402093
1032.500	31.36944935	8.52914045	7.87246245	23.00000000	2.31806324
1033.000	31.76179306	8.54977955	7.87248482	23.10000000	2.32052521
1033.500	31.78410484	8.54257428	7.87250719	23.10000000	2.32082694
1034.000	31.39274650	8.53369105	7.87252956	23.22039658	2.31796704
1034.500	31.17589223	8.54811759	7.87255194	23.02175530	2.32329858
1035.000	31.45592642	8.54880559	7.87257431	21.94015063	2.33490626
1035.500	32.92794102	8.54923920	7.87259668	21.82000000	2.33963855
1036.000	35.41003922	8.54864266	7.87261905	21.78000000	2.34044665
1036.500	34.41373784	8.55122374	7.87264142	22.08000000	2.33902705
1037.000	33.01159261	8.56362779	7.87266379	21.86000000	2.33817392
1037.500	30.51256700	8.56891654	7.87268616	21.90000000	2.33841389
1038.000	29.27772577	8.56869244	7.87270858	22.64000000	2.32524101
1038.500	29.16611795	8.56858847	7.87273083	23.90000000	2.30609199
1039.000	29.12798487	8.56862731	7.87275356	24.42000000	2.30188731
1039.500	29.68634348	8.56843169	7.87273110	23.70000000	2.31129665
1040.000	29.66493346	8.56794864	7.87267287	21.82000000	2.32901201
1040.500	29.63700287	8.54735689	7.87261431	21.58000000	2.33969468
1041.000	30.56805030	8.54832739	7.87255567	22.10000000	2.33674662
1041.500	31.38142354	8.54840484	7.87249709	22.22000000	2.33371286
1042.000	31.79604016	8.56774908	7.87243851	22.69035875	2.32493669
1042.500	32.08352634	8.56869153	7.87237993	24.10742585	2.29959114
1043.000	32.05462761	8.56861419	7.87232135	25.62253144	2.27755139
1043.500	31.55634684	8.56858847	7.87226277	25.90000000	2.27414369
1044.000	29.26107262	8.56879641	7.87220419	25.50000000	2.27875358
1044.500	27.34165042	8.56936055	7.87214561	25.10000000	2.28459192
1045.000	27.16608057	8.55872583	7.87208703	25.42000000	2.28431051
1045.500	27.37849341	8.53000540	7.87202845	24.10000000	2.30029314
1046.000	28.46387041	8.52858211	7.87196987	22.38000000	2.32426804
1046.500	29.70754602	8.52876009	7.87191129	20.98000000	2.35319708
1047.000	31.05594513	8.52888501	7.87185271	21.54000000	2.34431890
1047.500	33.31055090	8.52885640	7.87179413	22.98000000	2.32096949
1048.000	33.50022704	8.52691937	7.87173555	24.06000000	2.30387630
1048.500	31.85567199	8.52895581	7.87167697	24.54000000	2.29236420
1049.000	30.48188510	8.52700862	7.87161838	24.38000000	2.29793728
1049.500	29.06465754	8.54997560	7.87155980	24.46102689	2.29855385
1050.000	28.06828874	8.54886691	7.87150122	24.63979819	2.29645307
1050.500	27.88539697	8.55002662	7.87144264	24.46230907	2.29462630
1051.000	27.87894664	8.52952039	7.87138406	24.41846177	2.29834044
1051.500	27.87640546	8.52901683	7.87132548	24.58440493	2.29423680
1052.000	27.96364173	8.53671868	7.87126690	24.03249557	2.30648149
1052.500	28.56116219	8.53426552	7.87120832	22.74000000	2.32178604
1053.000	29.61961267	8.52912767	7.87114974	22.90000000	2.32338002
1053.500	30.26763965	8.54958049	7.87109116	22.18000000	2.32938790
1054.000	30.58626371	8.53405018	7.87103258	21.86000000	2.33858429
1054.500	30.17284406	8.52887196	7.87097400	22.90000000	2.32984954
1055.000	29.97581197	8.52740255	7.87091542	22.58000000	2.32582911
1055.500	29.95412262	8.54993360	7.87085684	23.30000000	2.31805041
1056.000	30.46740011	8.52882169	7.87079826	24.42000000	2.30025912
1056.500	30.80962599	8.53367343	7.87073968	24.94000000	2.29161732
1057.000	29.24932832	8.54850851	7.87068110	24.74000000	2.29016787
1057.500	29.13888062	8.54326175	7.87062252	25.02000000	2.28761554
1058.000	29.59366615	8.54988133	7.87056394	25.66000000	2.27766107

1058.500	28.23140522	8.54986625	7.87050536	25.70000000	2.27674373
1059.000	28.53890786	8.52740707	7.87044678	25.62103969	2.27797013
1059.500	29.62473886	8.52972084	7.87038820	25.62194679	2.27952236
1060.000	28.48986228	8.55048079	7.87032962	25.33681538	2.28142979
1060.500	27.53620148	8.53035702	7.87027104	24.22000000	2.29368111
1061.000	27.73920971	8.53970763	7.87021246	23.78000000	2.30674246
1061.500	30.87746721	8.54473867	7.87015388	23.22000000	2.31750839
1062.000	33.91091138	8.52919721	7.87009530	22.14000000	2.33310622
1062.500	34.77024086	8.52993615	7.87003671	21.46000000	2.34429168
1063.000	34.99666149	8.51438337	7.86997813	21.98000000	2.34109172
1063.500	33.93961554	8.52908779	7.86991955	22.82000000	2.32723482
1064.000	33.24506523	8.54424610	7.86986097	23.90000000	2.31333479
1064.500	33.13386078	8.54419595	7.86980239	23.98000000	2.30356321
1065.000	31.09342408	8.52952019	7.86974381	23.94000000	2.30382463
1065.500	28.85097929	8.52870457	7.86968523	23.90000000	2.30534813
1066.000	27.88350980	8.52879356	7.86962665	24.66000000	2.29249078
1066.500	27.19007181	8.52882704	7.86956807	26.66283880	2.26472842
1067.000	27.86932982	8.52872307	7.86950949	27.54851751	2.24866109
1067.500	29.24816584	8.52844100	7.86945091	27.55382018	2.24944406
1068.000	30.21386450	8.53373956	7.86939233	26.10000000	2.27392270
1068.500	31.45755830	8.54810646	7.86933375	24.38000000	2.29105615
1069.000	31.51579112	8.54899246	7.86927517	22.70000000	2.31794794
1069.500	32.69909693	8.55934826	7.86921659	21.58000000	2.33927881
1070.000	34.82740120	8.56695460	7.86915801	20.24000000	2.35829583
1070.500	37.36455790	8.58738974	7.86909943	18.98000000	2.38599089
1071.000	39.27269542	8.60375444	7.86904085	19.02000000	2.38656476
1071.500	39.52382077	8.64926175	7.86898227	19.70000000	2.37836380
1072.000	39.77428037	8.66883963	7.86892369	18.64400000	2.39588301
1072.500	41.60030519	8.66791736	7.86886511	18.18000000	2.39679172
1073.000	43.08287261	8.69787899	7.86880653	20.82000000	2.36203353
1073.500	43.41083033	8.72623521	7.86874795	21.18000000	2.35461123
1074.000	43.36361909	8.72766648	7.86868937	20.10000000	2.36932335
1074.500	43.76295608	8.72823314	7.86863079	20.30000000	2.36802894
1075.000	45.54933723	8.74258359	7.86857221	20.38000000	2.36451274
1075.500	47.22262370	8.74790095	7.86851363	20.74000000	2.36273906
1076.000	46.93088310	8.74756332	7.86845505	20.94000000	2.35939745
1076.500	44.86233975	8.74725532	7.86839646	20.42000000	2.36221657
1077.000	42.19864467	8.74916853	7.86833788	18.21840000	2.38691209
1077.500	39.79072953	8.78104121	7.86827930	17.38000000	2.41205243
1078.000	39.20168464	8.80932913	7.86822072	17.82000000	2.40758828
1078.500	39.12788746	8.82218652	7.86816214	18.82000000	2.39165397
1079.000	38.42279981	8.83228446	7.86810356	19.81767401	2.37847875
1079.500	37.31887758	8.83223527	7.86804498	20.66490764	2.36415125
1080.000	36.88417007	8.82571070	7.86798640	21.58280521	2.35033534
1080.500	38.30859128	8.81064612	7.86792782	21.22000000	2.35176510
1081.000	40.10861438	8.82573420	7.86786924	19.42000000	2.37772886
1081.500	42.34747387	8.82523799	7.86781066	17.70000000	2.40621561
1082.000	47.09137178	8.87003880	7.86775208	16.66738941	2.43363079
1082.500	49.63206426	8.94596193	7.86769350	14.87752602	2.45411399
1083.000	51.55435033	9.06405988	7.86763492	14.73416409	2.45560267
1083.500	50.89985798	9.08852672	7.86757634	15.12961656	2.45229579
1084.000	50.19973722	9.06474555	7.86751776	16.21573161	2.43850360
1084.500	49.96511020	9.06553852	7.86745918	16.55150647	2.42582984
1085.000	49.12711059	9.06545646	7.86740060	17.98000000	2.40424766
1085.500	48.38363762	9.06730390	7.86734202	18.66000000	2.39640434
1086.000	47.85144743	9.07123488	7.86728344	19.94000000	2.37550965
1086.500	48.16390709	9.10665440	7.86722486	20.38000000	2.36618896
1087.000	48.83866351	9.10582555	7.86716628	19.41332503	2.37541705
1087.500	49.65034000	9.10537213	7.86710770	19.33338973	2.38064600
1088.000	49.06946411	9.10536779	7.86704912	19.62501239	2.37884637
1088.500	47.75805770	9.10536779	7.86699054	18.06000000	2.39329791
1089.000	48.10337358	9.10540160	7.86693196	17.54000000	2.40743744
1089.500	50.55834207	9.10536563	7.86687338	18.90000000	2.39073327
1090.000	51.15921077	9.10505651	7.86681479	19.65310839	2.37940658
1090.500	51.12552198	9.08709849	7.86675621	19.46103630	2.37951344
1091.000	52.28738331	9.06547656	7.86669763	19.10341312	2.38611517
1091.500	52.14769502	9.06581409	7.86663905	18.70000000	2.38982280
1092.000	51.09511915	9.06429981	7.86658047	17.82000000	2.40087489

1092.500	50.19721568	9.09771315	7.86652189	16.50000000	2.41979204
1093.000	51.17897676	9.11209480	7.86646331	17.38118745	2.42574441
1093.500	54.10074827	9.11978057	7.86640473	18.18693338	2.40104942
1094.000	53.22814527	9.11098047	7.86634615	18.38137632	2.40108129
1094.500	51.81087001	9.10508035	7.86628757	18.34000000	2.39957864
1095.000	51.24716025	9.10526383	7.86622899	18.10000000	2.40146896
1095.500	49.21944643	9.10533432	7.86617041	17.98000000	2.40336649
1096.000	47.21441148	9.10524533	7.86611183	18.02330397	2.40235681
1096.500	47.42927947	9.10606094	7.86605325	18.29136715	2.40264711
1097.000	49.12727150	9.12058920	7.86599467	19.05691441	2.39019708
1097.500	49.64186770	9.12030871	7.86593609	19.42000000	2.38264855
1098.000	48.71884552	9.11076275	7.86587751	19.70000000	2.37648105
1098.500	48.46074320	9.14350678	7.86581893	19.71900000	2.37987005
1099.000	48.81615205	9.14524424	7.86576035	18.54000000	2.39078835
1099.500	50.33339441	9.14480223	7.86570177	17.94000000	2.40007650
1100.000	50.81370885	9.15007967	7.86564319	17.54000000	2.40627786
1100.500	48.69967040	9.16460690	7.86558461	18.52000000	2.39700178
1101.000	46.48104223	9.16380659	7.86552603	18.72000000	2.39352062
1101.500	44.30391234	9.18633875	7.86546745	18.98000000	2.38932828
1102.000	42.14700675	9.18568964	7.86540887	18.88000000	2.39097363
1102.500	41.89012726	9.20744093	7.86535029	17.36000000	2.40544030
1103.000	41.98447960	9.18587579	7.86529171	17.84000000	2.40835054
1103.500	42.77958167	9.18489520	7.86523313	17.88000000	2.41534812
1104.000	43.39277087	9.18427963	7.86517454	15.90000000	2.43440288
1104.500	43.67836212	9.19110895	7.86511596	16.38000000	2.43189582
1105.000	43.68722513	9.18301450	7.86505738	16.80000000	2.42297251
1105.500	43.69292506	9.18519926	7.86499880	16.22000000	2.43148956
1106.000	43.98666593	9.18483929	7.86494022	15.40000000	2.44524651
1106.500	45.40541573	9.18450461	7.86488164	14.54000000	2.45889561
1107.000	46.78623005	9.18982505	7.86482306	13.19411590	2.47573730
1107.500	46.90210119	9.20420192	7.86476448	13.01283054	2.47907888
1108.000	45.39762266	9.20439846	7.86470590	13.75420225	2.47069734
1108.500	43.19016599	9.22385231	7.86464732	14.63867803	2.45521482
1109.000	40.37623864	9.24755709	7.86458874	16.20166058	2.42527850
1109.500	38.89455127	9.22490605	7.86453016	18.64402065	2.39479065
1110.000	38.28804840	9.20064689	7.86447158	19.24000000	2.38849248
1110.500	40.43149772	9.18565575	7.86441300	18.14000000	2.40245565
1111.000	42.42521536	9.18462539	7.86435442	17.62000000	2.41144920
1111.500	42.77863001	9.18447114	7.86429584	17.38004246	2.41449164
1112.000	42.18740964	9.18979284	7.86423726	16.92601209	2.41831504
1112.500	42.46933652	9.20451749	7.86417868	18.32133084	2.40675045
1113.000	44.54726283	9.20676963	7.86412010	19.03071565	2.38714862
1113.500	45.40413073	9.18558249	7.86406152	19.12884208	2.39039371
1114.000	45.41623949	9.18715015	7.86400294	18.34498526	2.39559191
1114.500	44.57265507	9.18564842	7.86394436	18.02000000	2.40394412
1115.000	44.91314061	9.20466680	7.86388578	17.42000000	2.41304619
1115.500	47.47449742	9.22575552	7.86382720	16.94000000	2.42769491
1116.000	49.37086815	9.22910002	7.86376862	15.46000000	2.45607618
1116.500	49.99819982	9.24965242	7.86371004	13.46000000	2.47504555
1117.000	49.28934717	9.28586186	7.86365146	13.06000000	2.48263345
1117.500	47.59318353	9.30631265	7.86359287	14.02000000	2.47095809
1118.000	42.90174593	9.30416137	7.86353429	14.90000000	2.44819078
1118.500	40.14760614	9.26537650	7.86347571	17.62000000	2.41803848
1119.000	41.92419382	9.16860869	7.86341713	19.10000000	2.38862570
1119.500	43.61285320	9.15873749	7.86335855	20.10000000	2.37477781
1120.000	44.77413724	9.13017133	7.86329997	19.78000000	2.37540836
1120.500	43.48173359	9.13020951	7.86324139	17.72000000	2.39812965
1121.000	42.56140129	9.15883379	7.86318281	15.12000000	2.44040419
1121.500	41.89986291	9.14266997	7.86312423	14.94000000	2.45546382
1122.000	41.53568446	9.09328768	7.86306565	15.42000000	2.45131569
1122.500	42.85649608	9.06893243	7.86300707	16.32000000	2.43831953
1123.000	44.89010916	9.02521355	7.86294849	16.46000000	2.43346032
1123.500	44.90133690	8.95998361	7.86288991	15.84000000	2.43982805
1124.000	43.37046911	8.93094079	7.86283133	16.56000000	2.43206057
1124.500	42.47599312	8.87645780	7.86277275	16.78000000	2.42491186
1125.000	42.46546391	8.83110917	7.86271417	16.08000000	2.43163203
1125.500	43.79973847	8.80739326	7.86265559	16.06000000	2.43168074
1126.000	43.90611518	8.80722900	7.86259701	17.16000000	2.42130800

1126.500	43.11278949	8.80715169	7.86253843	17.24000000	2.41786895
1127.000	41.59687833	8.80727952	7.86247985	17.06302623	2.41816591
1127.500	40.11052683	8.80649990	7.86242127	17.39759386	2.41303154
1128.000	38.59946918	8.79270975	7.86236269	17.82135963	2.40704077
1128.500	37.94400263	8.78887447	7.86230411	17.87888730	2.40861657
1129.000	41.17398298	8.78921612	7.86224553	17.54000000	2.40695554
1129.500	42.55753663	8.78801417	7.86218695	18.28000000	2.40110745
1130.000	41.32594981	8.78527430	7.86212837	18.53385092	2.39907100
1130.500	39.77702090	8.74840736	7.86206979	18.66813808	2.39417162
1131.000	39.54078474	8.74762382	7.86201120	18.69431491	2.39367152
1131.500	41.49611840	8.74542219	7.86195262	18.14000000	2.40000223
1132.000	43.36928127	8.75473319	7.86189404	18.18000000	2.39966995
1132.500	42.20878961	8.76829085	7.86183546	18.66000000	2.39563065
1133.000	41.06491516	8.74592051	7.86177688	20.22000000	2.37289286
1133.500	40.77397823	8.74698503	7.86171830	20.66000000	2.36159230
1134.000	40.69476359	8.72702063	7.86165972	18.18000000	2.38405200
1134.500	40.75659494	8.74164910	7.86160114	17.14000000	2.41533745
1135.000	41.69508579	8.73294185	7.86154256	16.73820961	2.42533701
1135.500	42.76448157	8.72747976	7.86148398	16.98477397	2.42192544
1136.000	44.08604806	8.72845023	7.86142540	16.22850537	2.42904095
1136.500	45.20368746	8.74966078	7.86136682	15.86000000	2.43663537
1137.000	46.38841890	8.73287734	7.86130824	15.38000000	2.44372222
1137.500	47.87242828	8.72569614	7.86124966	15.42000000	2.43859850
1138.000	49.03406072	8.72773433	7.86119108	16.62000000	2.42725897
1138.500	47.29077399	8.74209847	7.86113250	16.42000000	2.42055880
1139.000	44.79143602	8.78900673	7.86107392	17.70000000	2.41039200
1139.500	42.85327514	8.80883273	7.86101534	17.38000000	2.41354828
1140.000	41.70132373	8.80734586	7.86095676	17.98000000	2.40684573
1140.500	42.26186781	8.80657531	7.86089818	18.10000000	2.40311853
1141.000	44.31848250	8.78814726	7.86083960	17.10000000	2.41230029
1141.500	44.89802961	8.72173960	7.86078102	16.54000000	2.42814450
1142.000	43.49782230	8.68673070	7.86072244	16.20000000	2.43081525
1142.500	39.87015677	8.67024011	7.86066386	15.90000000	2.43663457
1143.000	37.89570116	8.61334668	7.86060528	16.78000000	2.42258728
1143.500	38.11370622	8.57414344	7.86054670	17.70000000	2.40851142
1144.000	38.29869637	8.56835799	7.86048812	16.62000000	2.42072836
1144.500	38.02706576	8.56785648	7.86042954	16.14000000	2.43213600
1145.000	38.30119015	8.55363907	7.86037095	16.26000000	2.43052709
1145.500	40.68436634	8.54832171	7.86031237	16.81058269	2.41640323
1146.000	42.28136714	8.54860379	7.86025379	18.63068999	2.39739160
1146.500	42.70798388	8.54870775	7.86019521	18.86506857	2.39029746
1147.000	42.59225218	8.54859164	7.86013663	18.22000000	2.39895269
1147.500	41.62295006	8.54838805	7.86007805	17.50000000	2.41129449
1148.000	40.00366585	8.55456602	7.86001947	15.94000000	2.43569592
1148.500	38.32561789	8.54781809	7.85996089	15.56000000	2.44523444
1149.000	36.89094667	8.54928213	7.85990231	17.61200000	2.41166675
1149.500	35.88607977	8.54380415	7.85984373	19.78000000	2.38130666
1150.000	37.87066502	8.52941622	7.85978515	20.40000000	2.37088431
1150.500	38.30883722	8.52860061	7.85972657	18.84000000	2.38579179
1151.000	36.79736339	8.52840752	7.85966799	19.32000000	2.38248708
1151.500	36.80527089	8.53375836	7.85960941	18.60000000	2.39166461
1152.000	38.30474251	8.54811857	7.85955083	17.82000000	2.40486860
1152.500	40.45574515	8.54883022	7.85949225	18.28000000	2.39982467
1153.000	41.85877522	8.54874123	7.85943367	17.46000000	2.40774329
1153.500	41.91206154	8.54870775	7.85937509	16.76000000	2.42519299
1154.000	41.87975167	8.54870775	7.85931651	16.76000000	2.42665660
1154.500	40.28547041	8.54874659	7.85925793	17.04000000	2.42275389
1155.000	40.18113446	8.54855097	7.85919935	18.34000000	2.40474606
1155.500	41.00932511	8.54806793	7.85914077	18.30000000	2.39974759
1156.000	42.50994479	8.52739786	7.85908219	18.16000000	2.39452413
1156.500	43.67502831	8.52828183	7.85902361	19.82535239	2.37639268
1157.000	45.16707559	8.53236388	7.85896503	20.16860986	2.36826728
1157.500	46.66636778	8.56842043	7.85890645	19.43089890	2.37807255
1158.000	48.71297893	8.57185180	7.85884787	17.86000000	2.39867488
1158.500	48.61476888	8.67329955	7.85878928	15.74000000	2.43923361
1159.000	46.98189837	8.80758250	7.85873070	14.64000000	2.45676521
1159.500	48.15940390	8.86732224	7.85867212	15.66000000	2.43672859
1160.000	49.44806822	8.90853500	7.85861354	17.86000000	2.41527535

1160.500	49.25553241	8.90548775	7.85855496	18.62000000	2.40170208
1161.000	49.07048799	8.93947052	7.85849638	18.66000000	2.39527049
1161.500	49.01136816	8.98171561	7.85843780	17.61190224	2.40399129
1162.000	47.91700137	9.02285347	7.85837922	16.59961479	2.42516796
1162.500	48.93259597	9.06724448	7.85832064	15.30000000	2.46016038
1163.000	50.89029015	9.14018950	7.85826206	13.02000000	2.48451387
1163.500	53.21039317	9.19990386	7.85820348	13.26000000	2.49364953
1164.000	54.06564532	9.23324831	7.85814490	11.70000000	2.50242693
1164.500	53.58560034	9.28367435	7.85808632	12.95650741	2.48576651
1165.000	51.79409946	9.30448596	7.85802774	14.12964006	2.47207528
1165.500	52.35096494	9.32506935	7.85796916	14.34320739	2.46723330
1166.000	52.65699954	9.32884134	7.85791058	13.54000000	2.47545933
1166.500	52.05681751	9.34337264	7.85785200	13.58000000	2.47777121
1167.000	50.30948832	9.34325584	7.85779342	12.34000000	2.49303504
1167.500	50.72592877	9.38471938	7.85773484	12.22000000	2.49775510
1168.000	51.72040052	9.38294657	7.85767626	14.02000000	2.48147010
1168.500	52.10396404	9.40007103	7.85761768	15.18000000	2.45735134
1169.000	53.54818631	9.38490693	7.85755910	15.90241910	2.43936615
1169.500	54.20150083	9.40555902	7.85750052	16.01862059	2.43632285
1170.000	55.76533008	9.42092070	7.85744194	15.31041819	2.44763263
1170.500	56.75785607	9.42459541	7.85738336	14.50000000	2.45624150
1171.000	56.80836328	9.42927861	7.85732478	15.10000000	2.45915566
1171.500	57.24909014	9.44496521	7.85726620	15.22000000	2.44934049
1172.000	58.51958249	9.43991471	7.85720762	13.82000000	2.47408071
1172.500	57.49785351	9.42919972	7.85714903	11.98000000	2.50101679
1173.000	52.97361842	9.43773363	7.85709045	11.34000000	2.50632240
1173.500	51.42628867	9.39987758	7.85703187	13.94000000	2.46845848
1174.000	51.73746278	9.32683719	7.85697329	16.01800000	2.44373654
1174.500	52.85066059	9.30474613	7.85691471	16.14000000	2.43795022
1175.000	52.95304204	9.30905085	7.85685613	14.68000000	2.45713552
1175.500	51.50886698	9.30491642	7.85679755	13.94000000	2.47144290
1176.000	49.08174938	9.30421635	7.85673897	14.14000000	2.47011803
1176.500	47.56826269	9.31043388	7.85668039	14.30000000	2.46671198
1177.000	46.59228709	9.30413421	7.85662181	13.90400000	2.47046903
1177.500	46.60109422	9.30404184	7.85656323	13.62000000	2.47505981
1178.000	46.72421678	9.30420842	7.85650465	14.38000000	2.46596960
1178.500	47.35689048	9.30419345	7.85644607	14.58000000	2.46365483
1179.000	47.85664235	9.30323320	7.85638749	14.70000000	2.45809670
1179.500	48.52849101	9.29417537	7.85632891	14.98021360	2.45431174
1180.000	49.28132274	9.30222450	7.85627033	14.53359343	2.46031371
1180.500	50.53447276	9.29429368	7.85621175	14.62610729	2.45827265
1181.000	55.38030341	9.30345159	7.85615317	15.69378788	2.44623061
1181.500	57.38200314	9.29967784	7.85609459	16.42283312	2.42983354
1182.000	59.19793785	9.25411283	7.85603601	16.93790019	2.41922673
1182.500	61.01016629	9.25813203	7.85597743	17.85428533	2.40489109
1183.000	62.81955256	9.24391737	7.85591885	19.34000000	2.38504268
1183.500	63.93692360	9.27645029	7.85586027	20.86000000	2.35672405
1184.000	65.62262132	9.30795227	7.85580169	21.50000000	2.35093022
1184.500	66.08191118	9.35875987	7.85574311	21.69963214	2.34597539
1185.000	64.47912392	9.32624130	7.85568453	21.47092915	2.35060220
1185.500	62.15031205	9.20447889	7.85562595	19.73662405	2.37334623
1186.000	60.52459742	9.12428104	7.85556736	18.89456212	2.38733654
1186.500	60.89642567	9.09093775	7.85550878	18.34405729	2.39670526
1187.000	62.80198061	9.11270736	7.85545020	19.23534807	2.38625720
1187.500	60.65994347	9.06995863	7.85539162	20.02161731	2.37567451
1188.000	58.85370295	8.98586028	7.85533304	21.43372483	2.35632213
1188.500	60.11105504	8.96714201	7.85527446	21.56538712	2.34975287
1189.000	60.38457558	8.99196068	7.85521588	21.06000000	2.34996889
1189.500	60.74604778	9.08081989	7.85515730	22.06000000	2.34121027
1190.000	61.62953795	9.12078002	7.85509872	23.12000000	2.32823477
1190.500	60.58281988	9.08189691	7.85504014	23.18000000	2.32178016
1191.000	59.47639345	9.03974100	7.85498156	22.90000000	2.32481317
1191.500	58.86742250	9.02758914	7.85492298	22.34000000	2.33888496
1192.000	59.76272421	9.00859534	7.85486440	19.85588661	2.37200014
1192.500	61.01368350	9.07337231	7.85480582	17.38455685	2.41008940
1193.000	60.98423117	9.10638487	7.85474724	15.98490846	2.43408310
1193.500	60.97831068	9.10590705	7.85468866	15.46000000	2.44501236
1194.000	61.06696451	9.10582321	7.85463008	14.62000000	2.45435437

1194.500	62.90740977	9.13166634	7.85457150	14.30000000	2.46246211
1195.000	63.27769090	9.12634897	7.85451292	15.62000000	2.45263365
1195.500	59.45357273	9.08642337	7.85445434	16.03727449	2.43959359
1196.000	57.65757630	9.08545090	7.85439576	16.18292870	2.43542659
1196.500	58.41268538	9.08541476	7.85433718	16.34568203	2.43227996
1197.000	58.82259838	9.08548708	7.85427860	16.38000000	2.43078599
1197.500	58.71254065	9.08548708	7.85422002	16.22000000	2.43358904
1198.000	57.50730377	9.08548708	7.85416144	16.30000000	2.43452961
1198.500	55.29052633	9.08548708	7.85410286	15.86000000	2.43554414
1199.000	54.66742130	9.08559105	7.85404428	16.30000000	2.43375668
1199.500	57.85126654	9.08587312	7.85398570	16.32200000	2.42944018
1200.000	60.63730083	9.08045179	7.85392711	16.14000000	2.43196956
1200.500	58.10807904	9.06580950	7.85386853	15.98000000	2.43745263
1201.000	56.70364054	9.07041522	7.85380995	15.98000000	2.43750534
1201.500	55.54879246	9.08486442	7.85375137	15.71262839	2.44091838
1202.000	57.50695039	9.08560954	7.85369279	16.67683590	2.42517093
1202.500	58.59383319	9.08552055	7.85363421	17.74523893	2.40809373
1203.000	58.59061470	9.08548708	7.85357563	17.38000000	2.40638286
1203.500	58.90054155	9.08548708	7.85351705	16.94000000	2.41768653
1204.000	59.21216985	9.08548708	7.85345847	17.02000000	2.42105311
1204.500	58.96103943	9.08548708	7.85339989	18.70000000	2.40203709
1205.000	58.30896596	9.08548708	7.85334131	19.82000000	2.37409090
1205.500	57.16498072	9.08548708	7.85328273	20.18000000	2.36988329
1206.000	56.28399693	9.08548708	7.85322415	20.38000000	2.36257772
1206.500	55.88262747	9.08544824	7.85316557	19.54000000	2.37248113
1207.000	56.26729871	9.08563952	7.85310699	18.70000000	2.38945113
1207.500	57.38185315	9.08557430	7.85304843	18.18225849	2.39942779
1208.000	58.52500416	9.10575708	7.85299001	17.24498500	2.40782165
1208.500	58.59173293	9.14344376	7.85293136	16.59611527	2.42567221
1209.000	58.27324449	9.18542166	7.85285847	17.74000000	2.42525142
1209.500	58.33319134	9.19010638	7.85271296	17.74000000	2.40929600
1210.000	59.76244301	9.20306223	7.85256759	14.89939698	2.44571097
1210.500	61.56913120	9.22461861	7.85242239	14.68000000	2.45160954
1211.000	63.05041826	9.24610035	7.85227725	15.46000000	2.44533193
1211.500	64.39797936	9.25973395	7.85213210	15.10000000	2.45203810
1212.000	66.73524001	9.27999304	7.85198695	14.30000000	2.46644903
1212.500	67.83215111	9.29848178	7.85184180	12.80000000	2.49318734
1213.000	68.17168044	9.35082732	7.85169665	12.26000000	2.50131288
1213.500	66.94423388	9.37929578	7.85155151	12.04000000	2.50198726
1214.000	65.44657403	9.40417324	7.85140636	11.76000000	2.50692962
1214.500	64.17426130	9.42541511	7.85126121	11.52000000	2.50946738
1215.000	62.46892180	9.42195699	7.85111606	11.34000000	2.51513540
1215.500	61.86028335	9.44460780	7.85097091	11.78000000	2.51238315
1216.000	62.08316010	9.44313469	7.85082577	12.58000000	2.50128336
1216.500	62.45791695	9.44325733	7.85068062	13.30000000	2.48576336
1217.000	63.37411709	9.44545545	7.85053547	14.10594397	2.47253902
1217.500	65.09933379	9.41892147	7.85039032	15.61076231	2.45105428
1218.000	64.81675143	9.33692148	7.85024517	17.93393410	2.41453076
1218.500	61.63497286	9.21062158	7.85010003	20.04616310	2.37322476
1219.000	60.13220115	8.98854636	7.84995488	22.48789707	2.34095434
1219.500	60.28704816	8.85260673	7.84980973	22.73897329	2.32759712
1220.000	60.66861069	8.78978482	7.84966458	22.22000000	2.32823285
1220.500	60.45097870	8.77155433	7.84951943	22.14000000	2.32879647
1221.000	60.45377209	8.73863922	7.84937429	23.10000000	2.32348030
1221.500	61.50450606	8.73151715	7.84922914	22.34000000	2.33751358
1222.000	61.23070892	8.70618534	7.84908399	20.90000000	2.35289671
1222.500	59.98044279	8.70729729	7.84893884	20.58000000	2.36028713
1223.000	59.82763056	8.70765741	7.84879369	20.42000000	2.36285992
1223.500	63.57647392	8.70898421	7.84864855	20.26000000	2.36529561
1224.000	65.16421850	8.68040010	7.84850340	20.14000000	2.36730893
1224.500	65.78057054	8.66818821	7.84835825	20.18796055	2.36298892
1225.000	65.47112897	8.66803182	7.84821310	21.34504032	2.35072951
1225.500	62.53501628	8.66803338	7.84806795	21.40385659	2.34881603
1226.000	60.87855165	8.66018393	7.84792281	20.36122023	2.36787403
1226.500	59.72535524	8.64617886	7.84777766	19.78000000	2.37662714
1227.000	58.89667815	8.64585591	7.84763251	19.34000000	2.38156402
1227.500	59.51332831	8.62790648	7.84748736	19.02000000	2.38182232
1228.000	59.82321514	8.60736175	7.84734221	20.54000000	2.36824061

1228.500	58.59815630	8.63040130	7.84719707	20.22000000	2.36557611
1229.000	57.46880448	8.59188855	7.84705192	20.22000000	2.36557123
1229.500	57.63091823	8.58825016	7.84690677	21.50093079	2.35283057
1230.000	59.89180642	8.58838435	7.84676162	21.58281716	2.34786644
1230.500	64.24352649	8.58843905	7.84661647	21.10292767	2.35199588
1231.000	66.14684297	8.58868079	7.84647133	20.96000000	2.35455206
1231.500	66.44391874	8.58922498	7.84632618	19.85333333	2.36878819
1232.000	67.18145597	8.60470196	7.84618103	19.36000000	2.38026122
1232.500	68.18488334	8.58918018	7.84603588	20.23428571	2.37252698
1233.000	68.98867310	8.58850489	7.84589073	21.82000000	2.34867980
1233.500	69.00297658	8.58703485	7.84574559	22.18000000	2.33660774
1234.000	67.73538927	8.61699046	7.84560044	21.34000000	2.34691747
1234.500	68.54065404	8.62779218	7.84545529	20.02000000	2.36548835
1235.000	70.18241922	8.62894050	7.84531014	18.28000000	2.40060115
1235.500	70.19467310	8.62692607	7.84516499	15.80000000	2.43456912
1236.000	68.75411230	8.64925671	7.84501985	16.34000000	2.42600733
1236.500	67.26194748	8.64835737	7.84487470	17.94000000	2.40534834
1237.000	65.45348226	8.66398327	7.84472955	18.47463582	2.39822438
1237.500	64.79012274	8.64586606	7.84458440	19.29262328	2.38719859
1238.000	66.43943989	8.66764233	7.84443925	19.28812893	2.38590764
1238.500	67.92629498	8.66798670	7.84429411	17.60000000	2.41105449
1239.000	67.95393779	8.66865127	7.84414896	17.20000000	2.41622631
1239.500	67.04809545	8.66185776	7.84400381	17.76000000	2.40723043
1240.000	66.91808480	8.66552983	7.84385866	18.06000000	2.40270691
1240.500	65.43904329	8.64290057	7.84371351	19.26000000	2.38449082
1241.000	62.15704459	8.62922579	7.84356837	19.74000000	2.37544185
1241.500	60.62694543	8.62315405	7.84342322	19.86000000	2.37240950
1242.000	63.51168953	8.60404261	7.84327807	19.97630874	2.37114307
1242.500	64.26113647	8.58700364	7.84313292	19.98374877	2.37161284
1243.000	64.38780767	8.60963415	7.84298777	19.85740954	2.37220119
1243.500	65.17029345	8.60821221	7.84284263	20.22000000	2.36744822
1244.000	66.32443884	8.60352852	7.84269748	20.62000000	2.36256384
1244.500	66.38556829	8.61172919	7.84255233	18.82000000	2.38775464
1245.000	65.69434310	8.60940233	7.84240718	17.57305418	2.41240193
1245.500	65.16301332	8.63006262	7.84226203	17.69038892	2.41133274
1246.000	64.97864948	8.62856591	7.84211689	17.58381105	2.40956983
1246.500	63.38947543	8.62820148	7.84197174	18.26000000	2.40077641
1247.000	64.80521885	8.62823062	7.84182659	17.86000000	2.40431626
1247.500	65.78295687	8.62820148	7.84168144	19.23800000	2.38571145
1248.000	64.56191661	8.62871873	7.84153629	20.46000000	2.36251522
1248.500	63.11239143	8.62978750	7.84139115	20.86000000	2.35645148
1249.000	62.16406336	8.60334364	7.84124600	20.70000000	2.36073202
1249.500	62.25233055	8.56830631	7.84110085	20.38000000	2.36464069
1250.000	63.33112884	8.57508455	7.84095570	19.36000000	2.37548792
1250.500	63.32381759	8.63443298	7.84081055	19.26000000	2.38437569
1251.000	62.54640098	8.71222584	7.84066541	19.42000000	2.37978865
1251.500	61.56191523	8.80599472	7.84052026	19.58000000	2.37620942
1252.000	60.23485104	8.84836801	7.84037511	18.82000000	2.38622531
1252.500	58.81247568	8.84830424	7.84022996	18.32943579	2.39762621
1253.000	57.45504171	8.80167707	7.84008481	18.09830200	2.40252776
1253.500	55.58401236	8.71260815	7.83993967	17.97533472	2.40352543
1254.000	54.65375698	8.63236454	7.83979452	18.18108906	2.40075185
1254.500	54.07208940	8.58754356	7.83964937	18.82161401	2.39370040
1255.000	54.93525285	8.65576704	7.83950422	18.97758586	2.38751621
1255.500	55.31228220	8.70886857	7.83935907	19.02000000	2.38563716
1256.000	55.70854056	8.71006593	7.83921393	19.74000000	2.37856711
1256.500	57.04056422	8.79097878	7.83906878	19.10000000	2.38474089
1257.000	58.61928053	8.87238674	7.83892363	18.18000000	2.39935861
1257.500	59.48557671	8.93055722	7.83877848	17.02000000	2.41156874
1258.000	59.80567851	8.96684632	7.83863334	16.66000000	2.42136940
1258.500	59.25743301	8.94754072	7.83848819	18.50000000	2.40036435
1259.000	57.57073882	8.90544716	7.83834304	18.90000000	2.39145064
1259.500	55.95329430	8.90604094	7.83819789	18.66000000	2.39028105
1260.000	56.37866548	8.95489327	7.83805274	19.30000000	2.38294729
1260.500	59.28872459	9.02470455	7.83790760	19.50414250	2.38068616
1261.000	60.99553691	9.09982172	7.83776245	19.26395935	2.37988353
1261.500	59.20480447	9.15131000	7.83761730	18.53677811	2.39434244
1262.000	57.97243451	9.18476509	7.83747215	17.70000000	2.40714781

1262.500	55.95124624	9.20540562	7.83732700	17.34000000	2.41336402
1263.000	55.29002541	9.22645034	7.83718186	18.06000000	2.40313811
1263.500	55.94438956	9.24613883	7.83703671	18.46000000	2.39726718
1264.000	58.63227274	9.24543815	7.83689156	18.52800000	2.39679658
1264.500	59.24748790	9.25948220	7.83674641	18.98000000	2.39245934
1265.000	57.54264091	9.26448339	7.83660126	19.14000000	2.38804319
1265.500	56.86451120	9.26282350	7.83645612	18.98000000	2.38954178
1266.000	57.95933440	9.28184229	7.83631097	18.50000000	2.39774385
1266.500	57.99875410	9.30265232	7.83616582	17.54000000	2.41151811
1267.000	57.67019535	9.33779802	7.83602067	17.10000000	2.41793332
1267.500	57.38516226	9.34238926	7.83587552	18.42000000	2.40022272
1268.000	57.87555839	9.36794753	7.83573038	18.50000000	2.39864369
1268.500	59.79950493	9.38623929	7.83558523	16.58000000	2.42586303
1269.000	59.24513152	9.42892348	7.83544008	14.62000000	2.46108246
1269.500	55.58076873	9.44156237	7.83529493	12.75067190	2.48966201
1270.000	53.00559943	9.46140154	7.83514978	12.00784150	2.50048485
1270.500	51.72594385	9.48461037	7.83500464	11.57916262	2.50809014
1271.000	51.43006729	9.48420133	7.83485949	11.34000000	2.51138879
1271.500	51.94348833	9.46348313	7.83471434	11.60000000	2.51108811
1272.000	53.21527807	9.46863319	7.83456919	11.78000000	2.50565385
1272.500	57.42074104	9.46332347	7.83442404	12.02000000	2.50385522
1273.000	56.96957474	9.46320938	7.83427890	12.72000000	2.49494131
1273.500	52.80247621	9.46515653	7.83413375	12.72000000	2.49278424
1274.000	51.97326936	9.46327805	7.83398860	12.36000000	2.49534002
1274.500	54.64085732	9.46375212	7.83384345	14.84000000	2.46008140
1275.000	56.03888326	9.46321067	7.83369830	16.52000000	2.43407032
1275.500	56.46022326	9.46319154	7.83355316	16.04000000	2.43583911
1276.000	54.38387360	9.46345201	7.83340801	16.40000000	2.43265904
1276.500	51.90071549	9.46471043	7.83326286	16.94000000	2.42697152
1277.000	51.60678804	9.44896848	7.83311771	16.47000000	2.42653667
1277.500	53.55646271	9.46471507	7.83297256	17.06000000	2.41719107
1278.000	54.66460519	9.46327494	7.83282742	17.70000000	2.40708211
1278.500	52.97691007	9.46319618	7.83268227	17.38000000	2.41190404
1279.000	53.79545086	9.46322068	7.83253712	16.56000000	2.42535649
1279.500	55.34766861	9.46322068	7.83239197	15.60000000	2.44103574
1280.000	57.68224907	9.46322068	7.83224682	15.94000000	2.44083501
1280.500	58.68830159	9.46322068	7.83210168	15.50000000	2.44387478
1281.000	58.88528940	9.46322068	7.83195653	15.18000000	2.44806027
1281.500	58.87529955	9.46320155	7.83181138	15.86000000	2.44016930
1282.000	59.50900496	9.46303453	7.83166623	16.58000000	2.43225825
1282.500	60.84143872	9.46450765	7.83152108	17.22000000	2.41816145
1283.000	63.071087753	9.44205299	7.83137594	17.66000000	2.41029402
1283.500	64.36698245	9.44348726	7.83123079	17.70000000	2.40916184
1284.000	64.95649533	9.44348240	7.83108564	16.26000000	2.42991842
1284.500	65.14600647	9.44388646	7.83094049	15.26000000	2.44359505
1285.000	65.17192302	9.46484237	7.83079534	15.94000000	2.43675114
1285.500	64.21472419	9.47729350	7.83065020	14.86000000	2.44149015
1286.000	63.06843315	9.50211000	7.83050505	14.22000000	2.46066375
1286.500	61.79029032	9.48801874	7.83035990	15.54000000	2.44547002
1287.000	61.23817594	9.48259741	7.83021475	15.10000000	2.44974291
1287.500	58.49454018	9.48232846	7.83006960	14.42000000	2.46681088
1288.000	57.10057455	9.46224077	7.82992446	15.02000000	2.45771805
1288.500	58.99946603	9.46438239	7.82977931	15.50000000	2.44744088
1289.000	61.26892204	9.44206498	7.82963416	16.14000000	2.43421897
1289.500	63.41183981	9.46512632	7.82948901	16.78000000	2.42304691
1290.000	63.89476395	9.47541427	7.82934386	18.22000000	2.39559865
1290.500	63.07664634	9.49994959	7.82919872	20.20000000	2.36488394
1291.000	63.08296212	9.54346292	7.82905357	19.66000000	2.37323615
1291.500	62.40219156	9.54363291	7.82890842	19.20000000	2.38056882
1292.000	61.28129488	9.55762063	7.82876327	18.50000000	2.39503018
1292.500	59.71512619	9.57849505	7.82861812	18.10000000	2.40268702
1293.000	57.51804730	9.60747502	7.82847298	18.22051015	2.40146613
1293.500	58.04699633	9.64212606	7.82832783	17.76226888	2.40811540
1294.000	59.57772189	9.67757651	7.82818268	16.59944020	2.42290486
1294.500	60.33595432	9.73397899	7.82803753	16.10000000	2.43342087
1295.000	60.32657387	9.76954223	7.82789238	14.80000000	2.45018565
1295.500	59.49338828	9.81062741	7.82774724	14.12000000	2.46022204
1296.000	60.50595962	9.82948200	7.82760209	15.78000000	2.44237029

1296.500	65.11522900	9.85392003	7.82745694	17.18000000	2.41983501
1297.000	65.20333226	9.88127804	7.82731179	17.92000000	2.40600967
1297.500	63.37310468	9.91492154	7.82716664	17.62347950	2.41257525
1298.000	62.26683724	9.94508796	7.82702150	16.29993655	2.42919517
1298.500	61.49024818	9.97362220	7.82687635	15.35698194	2.44673435
1299.000	60.42262007	10.02632494	7.82673120	15.02000000	2.45291034
1299.500	58.17869797	10.05921763	7.82658605	15.80000000	2.44198029
1300.000	56.77746893	10.08000250	7.82644090	16.14000000	2.43468056
1300.500	57.66490060	10.09460274	7.82629576	16.64306601	2.42807492
1301.000	59.52350809	10.12562854	7.82615061	16.52255728	2.42647991
1301.500	59.79179854	10.13766877	7.82600546	15.66040945	2.44013363
1302.000	55.22261619	10.15819764	7.82586031	14.66000000	2.45614891
1302.500	52.05700683	10.17732604	7.82571516	14.36000000	2.46110674
1303.000	54.22058052	10.18400947	7.82557002	14.66000000	2.46275429
1303.500	55.70266990	10.19920070	7.82542487	14.32000000	2.46016513
1304.000	55.61654152	10.20867275	7.82527972	14.70000000	2.45739165
1304.500	54.39785637	10.21883979	7.82513457	15.06000000	2.45687406
1305.000	53.86860758	10.21854020	7.82498942	14.32000000	2.46463487
1305.500	55.55521938	10.21763947	7.82484428	13.08000000	2.48178461
1306.000	54.79963035	10.23233654	7.82469913	13.68000000	2.47438902
1306.500	54.90297351	10.24016289	7.82455398	14.40000000	2.46392787
1307.000	58.04474133	10.23224426	7.82440883	14.16000000	2.46694753
1307.500	57.17127795	10.23879671	7.82426368	14.04000000	2.46991992
1308.000	58.87503133	10.24367717	7.82411854	14.52000000	2.46389581
1308.500	57.13794015	10.27817594	7.82397339	14.18000000	2.46655622
1309.000	60.67263860	10.29872706	7.82382824	14.26000000	2.46962747
1309.500	62.82585003	10.31855403	7.82368309	15.32000000	2.45343184
1310.000	60.77946475	10.33910408	7.82353794	15.52000000	2.44815096
1310.500	59.10676519	10.33703027	7.82339280	13.86000000	2.47047747
1311.000	59.49968806	10.29932876	7.82324765	14.38000000	2.46249361
1311.500	61.63517337	10.21197980	7.82310250	15.50000000	2.44482464
1312.000	64.93499786	10.19478260	7.82295735	16.54000000	2.43074536
1312.500	64.61481787	10.18059742	7.82281220	17.18000000	2.42068817
1313.000	62.08261845	10.15261413	7.82266706	17.38000000	2.41719595
1313.500	60.68163184	10.13785985	7.82252191	17.26000000	2.41552579
1314.000	60.30233025	10.13843713	7.82237676	17.10000000	2.41866451
1314.500	59.79185344	10.13981806	7.82223161	16.78000000	2.42254204
1315.000	59.12454178	10.15229157	7.82208646	16.12000000	2.43450401
1315.500	57.96866585	10.15976044	7.82194132	15.82000000	2.43856899
1316.000	58.04975982	10.15365779	7.82179617	16.34000000	2.43205685
1316.500	59.41856665	10.14008037	7.82165102	16.86000000	2.41924083
1317.000	60.72397934	10.14077104	7.82150587	17.66000000	2.41348822
1317.500	61.27646746	10.12107821	7.82136072	16.06000000	2.43785309
1318.000	59.52952071	10.09956036	7.82121558	15.18000000	2.45075950
1318.500	58.54082949	10.07829646	7.82107043	14.66000000	2.45772623
1319.000	58.24877124	10.07913872	7.82092528	13.34000000	2.47683894
1319.500	59.34405839	10.07965597	7.82078013	13.24743801	2.48238403
1320.000	60.18531691	10.07990890	7.82063498	14.00344115	2.47075871
1320.500	60.09527098	10.07456241	7.82048984	15.64571924	2.44591209
1321.000	57.78149777	10.06057664	7.82034469	15.98566201	2.43845818
1321.500	54.76974340	10.06084490	7.82019954	15.10719119	2.45306585
1322.000	53.88578701	10.04016251	7.82005439	13.96928087	2.46877684
1322.500	55.22062204	10.04098990	7.81990924	13.14000000	2.48498085
1323.000	56.82751965	10.02032999	7.81976410	13.71600000	2.47755741
1323.500	57.43100695	10.00047711	7.81961895	14.34000000	2.46648245
1324.000	57.74547656	9.97597932	7.81947380	14.02000000	2.46698380
1324.500	57.13400492	9.94086582	7.81932865	14.46000000	2.46604274
1325.000	56.06783141	9.90164000	7.81918350	14.10000000	2.46604503
1325.500	55.29020624	9.84582241	7.81903836	14.78000000	2.45817920
1326.000	55.90238371	9.80138700	7.81889321	15.10000000	2.45503285
1326.500	58.03607977	9.72398550	7.81874806	15.02000000	2.45436133
1327.000	59.77433790	9.69582300	7.81860291	15.13587988	2.45520813
1327.500	57.51149995	9.64597159	7.81845776	14.45627168	2.46097609
1328.000	56.27129849	9.64202650	7.81831262	15.61754770	2.44127976
1328.500	58.02820929	9.62379850	7.81816747	17.50000000	2.41179682
1329.000	58.90293982	9.58595261	7.81802232	18.14000000	2.40509232
1329.500	59.81368372	9.58407220	7.81787717	16.78000000	2.42079367
1330.000	60.10109394	9.55721629	7.81773202	16.78000000	2.42423808

1330.500	59.24645622	9.50152209	7.81758688	16.58000000	2.42632472
1331.000	57.61627651	9.49895394	7.81744173	16.14000000	2.43361805
1331.500	57.13609075	9.46843645	7.81729658	15.46237829	2.44446553
1332.000	60.31266689	9.44115069	7.81715143	15.10150354	2.45164300
1332.500	62.85505572	9.42997540	7.81700628	15.73293432	2.44502578
1333.000	64.29116258	9.39935840	7.81686114	16.02000000	2.43852770
1333.500	64.28856753	9.32492286	7.81671599	16.50000000	2.42991438
1334.000	63.05451419	9.27073105	7.81657084	18.02000000	2.40653359
1334.500	61.76236209	9.19703606	7.81642569	19.38000000	2.38949105
1335.000	61.28440271	9.16519444	7.81628055	17.78000000	2.39422478
1335.500	62.16275852	9.11995546	7.81613540	17.54000000	2.41275538
1336.000	62.79382023	9.06890518	7.81599025	16.86000000	2.42057394
1336.500	62.41795633	9.05173434	7.81584510	16.09715828	2.43434633
1337.000	60.89644758	9.02349789	7.81569995	15.53551048	2.44537067
1337.500	58.71932808	9.01110017	7.81555481	14.83356236	2.45305366
1338.000	57.48789901	9.00505232	7.81540966	13.94000000	2.46764012
1338.500	55.83082557	8.99047483	7.81526451	13.66000000	2.47800632
1339.000	54.19221115	8.98500699	7.81511936	13.00755101	2.48355287
1339.500	54.40182919	8.95858278	7.81497421	13.45851474	2.47242086
1340.000	54.44020464	8.96626513	7.81482907	14.81769793	2.45825200
1340.500	53.89629139	8.96138501	7.81468392	17.89789335	2.42274522
1341.000	53.52909534	8.94870673	7.81453877	20.58261311	2.37289171
1341.500	54.45334968	8.91948227	7.81439362	21.58429731	2.34857018
1342.000	54.17836275	8.89269840	7.81424847	21.74562090	2.34446490
1342.500	52.31631195	8.88753489	7.81410333	21.18777589	2.35095458
1343.000	52.05163023	8.86718328	7.81395818	21.30847625	2.35065868
1343.500	52.02402966	8.86661391	7.81381303	19.70621139	2.36894059
1344.000	52.90463998	8.87123285	7.81366788	17.52764730	2.40373722
1344.500	55.34124448	8.92117464	7.81352262	15.83698950	2.43688502
1345.000	56.13333311	8.97406865	7.81337686	14.35351169	2.46159738
1345.500	55.40136289	8.98555217	7.81323260	15.90000000	2.44836229
1346.000	55.09439720	8.98732220	7.81314842	17.54000000	2.42178945
1346.500	56.61418551	8.96553847	7.81329998	17.94000000	2.40914112
1347.000	59.82507764	8.98123436	7.81344573	16.76480000	2.41855309
1347.500	62.79870297	8.98595982	7.81359104	17.38000000	2.41794734
1348.000	60.93049780	8.99090865	7.81373629	17.38000000	2.41713572
1348.500	60.69716261	9.01116146	7.81388154	16.66000000	2.42419306
1349.000	60.64812312	9.04493752	7.81402679	16.62000000	2.42235839
1349.500	61.62921463	9.06592343	7.81417204	17.90000000	2.40971502
1350.000	62.11531548	9.08477251	7.81431730	18.10000000	2.40875965
1350.500	61.24348112	9.09954504	7.81446255	17.09598589	2.41837763
1351.000	57.34121096	9.13901318	7.81460780	16.69582382	2.42462723
1351.500	52.47895065	9.17933740	7.81475305	16.07341649	2.43582766
1352.000	50.25498334	9.26645139	7.81489830	14.58000000	2.45744377
1352.500	48.75708854	9.34492080	7.81504356	14.06000000	2.46472425
1353.000	47.83138001	9.38232849	7.81518881	15.54000000	2.44822441
1353.500	47.84712609	9.42818005	7.81533406	15.94000000	2.43894763
1354.000	48.77632750	9.46688526	7.81547931	16.30000000	2.43369617
1354.500	50.20344424	9.50213664	7.81562456	16.98000000	2.42634766
1355.000	50.27319683	9.53535247	7.81576982	16.26000000	2.42983657
1355.500	49.71116376	9.56594749	7.81591507	16.66000000	2.43226574
1356.000	48.74007111	9.58705667	7.81606032	17.42000000	2.41610711
1356.500	48.78060673	9.60195837	7.81620557	18.78000000	2.39609565
1357.000	50.80304866	9.60254162	7.81635082	18.34000000	2.39482888
1357.500	53.89364100	9.60245263	7.81649608	18.02000000	2.40534451
1358.000	54.66029336	9.60250815	7.81664133	18.14000000	2.39716774
1358.500	52.84665024	9.60179650	7.81678658	19.22000000	2.38575694
1359.000	51.12021226	9.58740281	7.81693183	19.18000000	2.38641566
1359.500	50.53989890	9.58199647	7.81707708	17.78993582	2.40558955
1360.000	49.75877252	9.58297106	7.81722233	17.01841197	2.41693623
1360.500	48.44248047	9.59722938	7.81736759	18.27010673	2.40714938
1361.000	49.33470517	9.60421548	7.81751284	18.86000000	2.39028852
1361.500	51.14545614	9.58182435	7.81765809	19.18000000	2.38416159
1362.000	51.94848199	9.60334970	7.81780334	19.14000000	2.38337261
1362.500	50.84040277	9.60824126	7.81794859	18.93475585	2.38931243
1363.000	49.78038064	9.63852428	7.81809385	19.22364310	2.38605555
1363.500	49.05807179	9.64271299	7.81823910	19.42191540	2.37945462
1364.000	49.04094623	9.64281601	7.81838435	18.58000000	2.39080839

1364.500	50.00946015	9.64213711	7.81852960	18.14000000	2.39659135
1365.000	51.86543405	9.64214712	7.81867485	18.38000000	2.39967426
1365.500	51.99874952	9.64210828	7.81882011	17.38000000	2.40875544
1366.000	50.84920786	9.64233737	7.81896536	16.54000000	2.42496484
1366.500	49.74818524	9.64292854	7.81911061	16.02000000	2.43281674
1367.000	48.14452632	9.66296674	7.81925586	15.66000000	2.44178310
1367.500	46.34128781	9.64622655	7.81940111	16.70000000	2.42716169
1368.000	46.06812282	9.66247775	7.81954637	18.22000000	2.40215787
1368.500	46.92347970	9.67490377	7.81969162	18.94000000	2.38950731
1369.000	48.51970567	9.68174755	7.81983687	18.50000000	2.39443277
1369.500	49.66518933	9.68101915	7.81998212	18.10000000	2.40047674
1370.000	50.23718564	9.66012393	7.82012737	18.24000000	2.40145312
1370.500	50.24629429	9.66164550	7.82027263	18.82974780	2.39734663
1371.000	50.32906597	9.66098120	7.82041788	17.05930594	2.41709781
1371.500	50.83637567	9.67106376	7.82056313	18.00533786	2.40865476
1372.000	51.12065792	9.64297449	7.82070838	17.66000000	2.40655241
1372.500	50.61229664	9.58329370	7.82085363	18.02000000	2.40284369
1373.000	49.63559887	9.56325517	7.82099889	18.54000000	2.39846338
1373.500	48.26042264	9.56449724	7.82114414	19.05871627	2.38739925
1374.000	46.95850435	9.54485017	7.82128939	19.30092766	2.38304813
1374.500	46.67906009	9.52291347	7.82143464	19.66305976	2.37960101
1375.000	47.08885656	9.50730061	7.82157989	20.14650188	2.37156451
1375.500	48.49984158	9.48094723	7.82172515	19.22075509	2.38311199
1376.000	50.75607017	9.48724958	7.82187040	18.99053555	2.38712306
1376.500	51.15335685	9.48299359	7.82201565	17.92666667	2.40149400
1377.000	50.45943050	9.51725631	7.82216090	16.66200000	2.42236072
1377.500	49.41147769	9.52309482	7.82230615	16.02000000	2.43782636
1378.000	48.70358432	9.52300563	7.82245141	16.42000000	2.43424221
1378.500	49.00409488	9.52286282	7.82259666	17.02000000	2.42356833
1379.000	46.42221273	9.52286282	7.82274191	16.18000000	2.42312436
1379.500	45.13853920	9.52286282	7.82288716	15.66000000	2.43926461
1380.000	47.05263197	9.52284369	7.82303241	16.22000000	2.43575494
1380.500	49.31855798	9.52267234	7.82317767	15.78000000	2.44052621
1381.000	51.75305580	9.52366065	7.82332292	15.50000000	2.44274972
1381.500	52.90642141	9.50099244	7.82346817	16.06000000	2.44272524
1382.000	54.95519978	9.53748849	7.82361342	15.82000000	2.44461138
1382.500	59.36670046	9.56186936	7.82375867	14.18000000	2.45938595
1383.000	63.12788635	9.56180541	7.82390393	12.94490448	2.48222771
1383.500	64.86796828	9.58420491	7.82404918	12.46313366	2.49688228
1384.000	66.54813427	9.57738751	7.82419443	13.18134539	2.48730843
1384.500	67.86116853	9.56319431	7.82433968	13.46000000	2.48114134
1385.000	67.03150696	9.56250179	7.82448493	13.18000000	2.48519771
1385.500	65.44243399	9.56259078	7.82463019	13.46000000	2.48130187
1386.000	64.47086134	9.56276706	7.82477544	12.62000000	2.49002672
1386.500	64.52051496	9.56283439	7.82492069	11.42000000	2.51025157
1387.000	65.95484811	9.55697093	7.82506594	9.26000000	2.54795903
1387.500	66.19600650	9.52392349	7.82521119	9.74000000	2.54548046
1388.000	63.09862992	9.49661985	7.82535645	10.34000000	2.53623930
1388.500	58.30701637	9.47878420	7.82550170	12.14000000	2.49968489
1389.000	54.25330368	9.43993434	7.82564695	14.30000000	2.46250185
1389.500	52.29737507	9.35902006	7.82579220	17.70000000	2.42503174
1390.000	51.78874251	9.28336558	7.82593745	17.78000000	2.41046741
1390.500	52.81851110	9.26576426	7.82608270	16.09308608	2.40299553
1391.000	53.53949618	9.22454621	7.82622796	17.00005487	2.42516140
1391.500	53.53277955	9.18400947	7.82637321	17.58232847	2.41334986
1392.000	53.55384824	9.18481489	7.82651846	16.84000000	2.42076052
1392.500	53.16273462	9.18429177	7.82666371	15.94000000	2.43933058
1393.000	52.93887117	9.17004346	7.82680896	13.70000000	2.47920231
1393.500	54.07767904	9.16506835	7.82695422	10.44000000	2.51847682
1394.000	56.28493323	9.15988308	7.82709947	9.76000000	2.54084910
1394.500	57.96205477	9.16081895	7.82724472	10.26000000	2.54198993
1395.000	56.80122210	9.14683756	7.82738997	11.12000000	2.52047995
1395.500	57.58147687	9.10699337	7.82753522	11.48000000	2.51177729
1396.000	59.22469451	9.04460834	7.82768048	11.62000000	2.50576649
1396.500	61.06254708	9.02530999	7.82782573	11.70000000	2.50705907
1397.000	60.60372941	9.00421266	7.82797098	11.80000000	2.50917356
1397.500	58.27433688	9.00664780	7.82811623	12.22000000	2.50141588
1398.000	55.98300269	8.98580951	7.82826148	13.18000000	2.48400911

1398.500	54.37965067	8.93957729	7.82840674	14.60000000	2.45818151
1399.000	54.07958760	8.89139828	7.82855199	16.24000000	2.43275453
1399.500	54.43054242	8.85157811	7.82869724	17.12000000	2.42129825
1400.000	55.77129569	8.81587827	7.82884249	17.76000000	2.40883704
1400.500	57.35160591	8.80243295	7.82898774	18.38000000	2.40043063
1401.000	56.90783520	8.78823921	7.82913300	18.66000000	2.39297348
1401.500	55.54693409	8.78783433	7.82927825	18.92000000	2.39039125
1402.000	53.83296331	8.75296318	7.82942350	18.92000000	2.38800968
1402.500	53.16910583	8.74820891	7.82956875	18.64000000	2.39299828
1403.000	52.02129011	8.74881044	7.82971400	18.40000000	2.39762724
1403.500	50.28170583	8.83929757	7.82985926	17.84000000	2.41001493
1404.000	48.40118042	8.91274759	7.83000451	16.02000000	2.43453080
1404.500	47.65487825	9.01644641	7.83014976	14.20000000	2.46515105
1405.000	51.57366031	9.06053350	7.83029501	12.76000000	2.48998594
1405.500	55.55624347	9.12544490	7.83044026	12.08000000	2.50230804
1406.000	59.78011860	9.20580216	7.83058552	12.78000000	2.49447068
1406.500	63.06585171	9.25771416	7.83073077	13.10000000	2.48531477
1407.000	63.21659182	9.28449617	7.83087602	13.84000000	2.47457853
1407.500	59.16015906	9.31083658	7.83102127	14.00000000	2.47447214
1408.000	57.79526434	9.34406730	7.83116652	11.94000000	2.49793884
1408.500	61.55547736	9.38806579	7.83131178	12.56000000	2.50098440
1409.000	61.60374568	9.42915875	7.83145703	13.54000000	2.48105345
1409.500	60.37864929	9.44331946	7.83160228	13.74000000	2.47526269
1410.000	59.77672070	9.45854863	7.83174753	12.44000000	2.49458336
1410.500	60.36199227	9.46305101	7.83189278	13.14000000	2.49370211
1411.000	62.34790124	9.44837525	7.83203804	12.22000000	2.50054682
1411.500	65.56474106	9.44295392	7.83218329	13.74000000	2.47608786
1412.000	69.65133501	9.44323599	7.83232854	15.26000000	2.45825308
1412.500	69.42738072	9.44336910	7.83247379	15.96407930	2.44193294
1413.000	69.09551745	9.44302379	7.83261904	15.82137522	2.43726278
1413.500	69.61396210	9.44165031	7.83276430	12.78000000	2.47221858
1414.000	67.37188848	9.46123650	7.83290955	10.58000000	2.51241039
1414.500	64.14847148	9.48230478	7.83305480	11.22000000	2.52509464
1415.000	61.72520617	9.48298345	7.83320005	13.46000000	2.49260436
1415.500	60.75211564	9.48314023	7.83334530	14.26000000	2.46839520
1416.000	60.20492637	9.48310139	7.83349056	14.38000000	2.46933392
1416.500	58.93980397	9.48310139	7.83363581	14.02000000	2.46623686
1417.000	56.47179878	9.48310139	7.83378106	14.54000000	2.46698557
1417.500	56.77916034	9.48310139	7.83392631	13.22000000	2.48652413
1418.000	60.58859581	9.48310139	7.83407156	12.22000000	2.50024444
1418.500	64.45777715	9.48310139	7.83421682	10.94000000	2.51604485
1419.000	68.68746269	9.48310139	7.83436207	9.90000000	2.54215945
1419.500	73.88421247	9.48310139	7.83450732	6.78000000	2.56735890
1420.000	77.79125894	9.48322449	7.83465257	6.23264016	2.60516979
1420.500	78.26732252	9.48365445	7.83479782	8.87559539	2.56821118
1421.000	76.14557266	9.47669696	7.83494308	9.06669211	2.55510650
1421.500	75.91895899	9.48626452	7.83508833	8.94014480	2.55452879
1422.000	78.83777946	9.46162510	7.83523358	9.06281773	2.55409043
1422.500	83.68277068	9.46335422	7.83537883	10.13568947	2.54491606
1423.000	87.20772411	9.46323981	7.83552408	9.90000000	2.54020092
1423.500	92.88772942	9.46311671	7.83566933	9.46000000	2.54541924
1424.000	113.79481489	9.46283463	7.83581459	8.54000000	2.56645049
1424.500	131.66897809	9.46815199	7.83595984	5.20333333	2.61589602
1425.000	143.61772720	9.48248769	7.83610509	2.94000000	2.65044780
1425.500	143.60682331	9.48307391	7.83625034	2.74000000	2.65479778
1426.000	135.24973997	9.48351011	7.83639559	2.46000000	2.66647748
1426.500	116.39381366	9.50247038	7.83654085	2.54000000	2.66119048
1427.000	103.04011932	9.56211526	7.83668610	3.54000000	2.65404547
1427.500	96.73610339	9.62832207	7.83683135	4.70000000	2.62649394
1428.000	90.77420552	9.65777236	7.83697660	6.13174867	2.60131182
1428.500	84.23501747	9.68288714	7.83712185	6.57405887	2.58993362
1429.000	82.66880407	9.70690031	7.83726711	5.13570493	2.60616693
1429.500	88.31290599	9.81893215	7.83741236	4.50000000	2.62847774
1430.000	88.15182516	10.06789123	7.83755761	8.78000000	2.49859039
1430.500	85.99013879	10.28424718	7.83770286	7.76600000	2.54292403
1431.000	87.59352446	10.47527181	7.83784811	5.54000000	2.60877236
1431.500	87.60936469	10.51988048	7.83799337	6.70000000	2.59164240
1432.000	83.93394416	10.77831452	7.83813862	6.90000000	2.58470430

1432.500	76.40671359	10.92216527	7.83828387	6.18000000	2.59653471
1433.000	71.36264641	9.84557942	7.83842912	5.34000000	2.61692888
1433.500	70.79406616	9.36833947	7.83857437	4.82000000	2.62533936
1434.000	71.78522497	9.30172174	7.83871963	5.22000000	2.62069996
1434.500	79.38876622	9.32325149	7.83886488	5.38000000	2.61652958
1435.000	89.25819628	9.32988766	7.83901013	3.20000000	2.65170125
1435.500	93.59880072	9.38358891	7.83915538	0.98000000	2.69214026
1436.000	94.43531704	9.44738609	7.83930063	1.02000000	2.69296016
1436.500	94.11913041	9.47985039	7.83944589	5.78000000	2.63815268
1437.000	91.35683644	9.50434293	7.83959114	5.30000000	2.61074756
1437.500	90.19746661	9.48719591	7.83973639	3.38000000	2.63824225
1438.000	90.25460958	9.50382476	7.83988164	3.38000000	2.64641305
1438.500	86.91388641	9.50307078	7.84002689	4.68300000	2.63588315
1439.000	82.71795939	9.50441875	7.84017215	5.66000000	2.61194639
1439.500	81.06290588	9.48315927	7.84031740	6.66000000	2.58692637
1440.000	79.07482084	9.46801160	7.84046265	7.36000000	2.57062795
1440.500	76.85688509	9.47560826	7.84060790	7.78000000	2.55763975
1441.000	77.06016465	9.46032453	7.84075315	7.90000000	2.55441132
1441.500	78.06063643	9.48246438	7.84089841	7.28000000	2.56145912
1442.000	78.24380921	9.48423224	7.84104366	6.18000000	2.58446837
1442.500	78.86255834	9.46195405	7.84118891	5.06000000	2.61664963
1443.000	75.95543267	9.46438204	7.84133416	4.80000000	2.63302028
1443.500	73.87678336	9.47325788	7.84147941	4.78000000	2.63357035
1444.000	75.94205632	9.46423474	7.84162467	4.88000000	2.63345360
1444.500	76.47836472	9.46306453	7.84176992	5.04000000	2.63176608
1445.000	74.49723196	9.46262955	7.84191517	6.28000000	2.60889985
1445.500	71.71106681	9.44032260	7.84206042	6.88000000	2.59358959
1446.000	67.92623399	9.46913250	7.84220567	6.04000000	2.60195954
1446.500	64.51182726	9.48219842	7.84235093	5.25914212	2.61691609
1447.000	62.16598016	9.48256490	7.84249618	4.85646518	2.62421868
1447.500	61.30654957	9.46190981	7.84264143	4.83667849	2.62764352
1448.000	62.75873984	9.46287537	7.84278668	5.60000000	2.62095878
1448.500	64.31939210	9.46324981	7.84293193	6.30000000	2.59858308
1449.000	66.97397736	9.46322068	7.84307719	7.26000000	2.57444711
1449.500	70.24585375	9.46322068	7.84322244	8.33800000	2.56178837
1450.000	75.17470415	9.46322068	7.84336769	9.35800000	2.55688288
1450.500	76.88472377	9.46322068	7.84351294	9.82000000	2.54598577
1451.000	73.58382231	9.46318720	7.84365819	9.38000000	2.55140588
1451.500	67.57396030	9.46307908	7.84380345	8.70000000	2.56043157
1452.000	63.50933944	9.46362372	7.84394870	8.02000000	2.56737524
1452.500	62.27363211	9.47945705	7.84409395	7.86000000	2.57391402
1453.000	65.07315553	9.46231974	7.84423920	7.58000000	2.57992032
1453.500	71.94073353	9.46352992	7.84438445	5.55200000	2.61255424
1454.000	79.89797293	9.46332198	7.84452970	4.46000000	2.63500841
1454.500	87.39939602	9.46151419	7.84467496	4.20000000	2.63986159
1455.000	91.69855393	9.48915838	7.84482021	4.82000000	2.63334853
1455.500	90.48902300	9.50280994	7.84496546	4.59820781	2.63554967
1456.000	90.18167053	9.51837057	7.84511071	3.02003458	2.65635930
1456.500	91.65651492	9.54937634	7.84525596	0.89237210	2.68322207
1457.000	94.38929736	9.58677479	7.84540122	4.74516371	2.65005030
1457.500	97.01585648	9.61960164	7.84554647	4.94398170	2.63081486
1458.000	97.25573038	9.64542447	7.84569172	2.63969426	2.65731106
1458.500	93.03658978	9.69935565	7.84583697	9.67672804	2.56361831
1459.000	84.25311103	10.00227262	7.84598222	10.00833232	2.54122987
1459.500	77.90821779	9.99304190	7.84612748	2.93579369	2.62442561
1460.000	78.57023227	9.67483547	7.84627273	4.29794481	2.67552879
1460.500	79.41222123	9.78505038	7.84641798	4.86000000	2.62894058
1461.000	80.23559905	9.58815090	7.84656323	4.20000000	2.63889300
1461.500	80.99156077	9.48444154	7.84670848	3.86000000	2.63952709
1462.000	80.93611125	9.48358270	7.84685374	4.32000000	2.63916592
1462.500	79.49269490	9.45702717	7.84699899	4.96000000	2.63124090
1463.000	81.55025474	9.42883227	7.84714424	4.58000000	2.62942783
1463.500	83.64262786	9.42420941	7.84728949	4.00000000	2.63557260
1464.000	85.18117132	9.40156458	7.84743474	3.82000000	2.64152930
1464.500	84.58785067	9.42205196	7.84758000	4.88000000	2.63978193
1465.000	82.62953358	9.44888656	7.84772525	5.70000000	2.61806339
1465.500	79.53891531	9.44248666	7.84787050	6.44000000	2.59137185
1466.000	77.49560213	9.42181616	7.84801575	7.56000000	2.57397521

1466.500	80.82246815	9.42317922	7.84816100	7.96000000	2.57293469
1467.000	84.36727856	9.43669709	7.84830626	7.64000000	2.57542933
1467.500	86.56439830	9.52868044	7.84845151	9.95333333	2.56901529
1468.000	87.56926683	9.78073194	7.84859676	15.33111111	2.46314541
1468.500	86.14315553	10.35968677	7.84874201	19.00000000	2.39370973
1469.000	81.68976860	11.24097471	7.84888726	19.28000000	2.38328339
1469.500	74.01171363	11.70118542	7.84903252	18.04000000	2.43916263
1470.000	66.33949582	11.80888404	7.84917777	9.43000000	2.60073987
1470.500	62.73471946	9.29429500	7.84932302	6.38000000	2.59501809
1471.000	60.88057136	9.24529066	7.84946827	6.54000000	2.59031688
1471.500	60.31916042	9.26381221	7.84961352	6.62000000	2.58945724
1472.000	60.12296640	9.28517545	7.84975878	6.24000000	2.59719249
1472.500	58.54970653	9.28540941	7.84990403	6.10000000	2.59791890
1473.000	56.50500573	9.26322988	7.85004928	7.25699162	2.57889572
1473.500	59.33088544	9.26397700	7.85019453	8.34598101	2.54541698
1474.000	62.40110833	9.24934675	7.85033978	9.17577838	2.52755869
1474.500	70.94528783	9.24223573	7.85048504	11.42000000	2.51309849
1475.000	77.66850962	9.25602791	7.85063029	14.78857143	2.48116663
1475.500	84.33023451	9.35832401	7.85077554	18.81714286	2.40622626
1476.000	86.27545349	10.66267718	7.85092079	23.10000000	2.31830029
1476.500	85.80355597	12.02897708	7.85106604	23.22000000	2.31581382
1477.000	86.66282279	9.94892202	7.85121130	23.02000000	2.31725471
1477.500	84.48856470	10.00787822	7.85135655	19.57000000	2.37513538
1478.000	77.76110393	10.13880908	7.85150180	21.43000000	2.39144112
1478.500	73.24735500	9.43937701	7.85164705	-999.25000000	2.27145691
1479.000	71.66912554	9.40367565	7.85179230	-999.25000000	-999.25000000
1479.500	69.30000940	9.43033178	7.85193756	-999.25000000	-999.25000000
1480.000	61.53321970	9.80564383	7.85208281	-999.25000000	-999.25000000
1480.500	59.49234166	11.53950861	7.85222806	-999.25000000	-999.25000000
1481.000	59.52670023	12.75260849	7.85237331	-999.25000000	-999.25000000
1481.500	57.99231896	11.66853496	7.85251866	-999.25000000	-999.25000000
1482.000	55.52629824	9.09144177	7.85266383	23.19736898	2.38189360
1482.500	54.41436175	9.15118598	7.85280908	10.11222999	2.53086934
1483.000	54.33346342	9.12741743	7.85288285	10.90186745	2.53229469
1483.500	54.70312920	9.12468248	7.85288270	12.14000000	2.51143272
1484.000	55.63902244	9.12509194	7.85288279	13.10000000	2.49424490
1484.500	56.23492562	9.12506237	7.85288270	13.30000000	2.48518318
1485.000	55.03615727	9.12653548	7.85288270	12.42000000	2.48961217
1485.500	51.78663383	9.10404198	7.85288270	12.78000000	2.49272184
1486.000	51.03472413	9.10571072	7.85288270	12.90000000	2.49189253
1486.500	53.52389290	9.10602675	7.85288270	10.73957603	2.52016642
1487.000	58.55912137	9.12659285	7.85288270	10.28970135	2.52517465
1487.500	62.69565344	9.12561294	7.85288270	9.08190155	2.56325172
1488.000	65.49856005	9.12539581	7.85288270	6.60263153	2.59571408
1488.500	69.41063790	9.12362587	7.85288270	5.27740601	2.62204980
1489.000	74.15725519	9.14483448	7.85288270	3.78178762	2.65246298
1489.500	80.07389725	9.18966249	7.85288270	2.35194000	2.68408975
1490.000	80.55206432	9.26171628	7.85288270	-0.33823197	2.70441417
1490.500	71.78360535	9.55265539	7.85288270	5.92526806	2.61801486
1491.000	62.43414405	9.17600659	7.85288270	5.50997706	2.60880662
1491.500	56.08025623	9.02182515	7.85288270	5.10848958	2.62118111
1492.000	55.72110300	9.00286102	7.85288270	5.01663559	2.62466225
1492.500	61.17356688	9.00755412	7.85288270	5.26308861	2.61799342
1493.000	66.50266536	9.00431759	7.85288270	4.70000000	2.63833595
1493.500	68.20234230	9.02436113	7.85288270	6.82000000	2.60435260
1494.000	66.73180347	9.04593969	7.85288270	7.66000000	2.57876499
1494.500	66.02053269	9.06070441	7.85288270	6.46000000	2.58982233
1495.000	67.56545579	9.06462181	7.85288270	5.78000000	2.60438779
1495.500	68.14438978	9.08746720	7.85288270	6.06000000	2.60436751
1496.000	65.47333877	9.10014636	7.85288270	6.89524381	2.59350289
1496.500	62.70501795	9.10530982	7.85288270	8.08635938	2.56928996
1497.000	60.45552824	9.11055986	7.85288270	9.32259927	2.54701908
1497.500	59.81108014	9.12529915	7.85288270	9.38306735	2.54702363
1498.000	61.22811858	9.14659603	7.85288270	9.73895739	2.54320341
1498.500	65.42850171	9.14550800	7.85288270	10.61921893	2.52711518
1499.000	67.27144968	9.14512922	7.85288270	11.02000000	2.52141922
1499.500	63.94077611	9.14478392	7.85288270	11.58000000	2.51270596
1500.000	60.97682177	9.14382372	7.85288270	11.34000000	2.51243088

1500.500	58.57782964	9.16421333	7.85288270	11.86000000	2.50783946
1501.000	57.45948592	9.16421333	7.85288270	11.82000000	2.50748314
1501.500	57.37168107	9.14382372	7.85288270	11.08000000	2.51589524
1502.000	59.23722749	9.14478392	7.85288270	11.42099252	2.51782367
1502.500	62.49762523	9.14501556	7.85288270	10.60025493	2.51849768
1503.000	63.34969676	9.14489996	7.85288270	9.97881813	2.53284030
1503.500	63.72412334	9.15072951	7.85288270	10.50000000	2.52908841
1504.000	64.87510996	9.18526167	7.85288270	10.18000000	2.53560910
1504.500	67.21120634	9.18406689	7.85288270	10.40000000	2.53795456
1505.000	66.09432620	9.20441880	7.85288270	10.92000000	2.52464899
1505.500	63.85060163	9.23032170	7.85288270	11.42000000	2.51155112
1506.000	65.23519687	9.24248907	7.85288270	12.82000000	2.48754722
1506.500	68.44949485	9.26794453	7.85288270	13.10000000	2.48357649
1507.000	71.98665998	9.28773726	7.85288270	12.74643031	2.49605290
1507.500	79.97497490	9.33787845	7.85288270	10.51112206	2.52710204
1508.000	81.81184665	9.34460131	7.85288270	8.85478719	2.54621583
1508.500	77.41101578	9.36252500	7.85288270	7.22333333	2.57604455
1509.000	68.66700242	9.41751598	7.85288270	5.26000000	2.62064986
1509.500	63.58406270	9.44743742	7.85288270	3.61290990	2.64220080
1510.000	63.05140804	9.46360643	7.85288270	4.31553550	2.63526773
1510.500	62.25772251	9.49860680	7.85288270	5.72822751	2.60647683
1511.000	59.72833033	9.51839655	7.85288270	6.00052170	2.60299877
1511.500	58.89349747	9.52335742	7.85288270	4.47200000	2.63574472
1512.000	58.58402883	9.52299593	7.85288270	3.54000000	2.66459826
1512.500	59.20767020	9.52251752	7.85288270	2.98000000	2.67241878
1513.000	60.69070710	9.52150896	7.85288270	0.82000000	2.68780177
1513.500	62.13342031	9.54212798	7.85288270	2.20400000	2.68673488
1514.000	63.96783329	9.54400517	7.85288270	5.18000000	2.62895215
1514.500	65.92348150	9.50134476	7.85288270	7.23200000	2.60308316
1515.000	67.02892465	9.50191081	7.85288270	8.98000000	2.56187875
1515.500	67.80382162	9.53576686	7.85288270	10.58000000	2.53048782
1516.000	69.33210199	9.56163532	7.85288270	11.26000000	2.52420302
1516.500	75.64633580	9.58335139	7.85288270	12.10000000	2.50603327
1517.000	83.60344082	9.60239745	7.85288270	13.22000000	2.48554082
1517.500	86.04052455	9.62192878	7.85288270	14.06000000	2.46518352
1518.000	83.13638058	9.62162788	7.85288270	15.46000000	2.44659530
1518.500	80.68506843	9.64120580	7.85288270	16.38000000	2.43366899
1519.000	76.54510279	9.64180999	7.85288270	17.06000000	2.42243136
1519.500	72.11439233	9.63889564	7.85288270	17.34000000	2.41545083
1520.000	69.86930914	9.66143650	7.85288270	16.82000000	2.42241352
1520.500	67.83442441	9.66211517	7.85288270	16.62000000	2.42639190
1521.000	66.67972142	9.66077970	7.85288270	15.82000000	2.44144419
1521.500	66.31862314	9.68319552	7.85288270	13.42800000	2.47344728
1522.000	66.34301422	9.68172241	7.85288270	9.87900000	2.51667936
1522.500	66.34618949	9.68188942	7.85288270	8.22000000	2.54591908
1523.000	66.40615115	9.68190855	7.85288270	6.90000000	2.57157758
1523.500	67.52630673	9.68190855	7.85288270	5.10000000	2.62247249
1524.000	70.55734147	9.68190855	7.85288270	4.30000000	2.64167112
1524.500	74.69734402	9.68190855	7.85288270	5.50000000	2.61337360
1525.000	83.30454365	9.68194202	7.85288270	5.58000000	2.61563157
1525.500	87.53054400	9.68203101	7.85288270	4.26000000	2.62967150
1526.000	86.30694639	9.68142333	7.85288270	4.94000000	2.63082684
1526.500	80.85551796	9.66734519	7.85288270	4.94000000	2.63330702
1527.000	74.53844089	9.65668133	7.85288270	4.38880000	2.63269840
1527.500	71.02069321	9.64301111	7.85288270	4.86000000	2.62812853
1528.000	69.63052395	9.64349146	7.85288270	5.82000000	2.60215626
1528.500	68.43801811	9.62228357	7.85288270	7.34000000	2.58252611
1529.000	67.51808768	9.60747378	7.85288270	7.38000000	2.58219022
1529.500	67.21308513	9.60192197	7.85288270	8.14000000	2.57181521
1530.000	67.91091614	9.60241937	7.85288270	10.16000000	2.53033208
1530.500	67.57171161	9.60283937	7.85288270	10.46000000	2.53189758
1531.000	65.66857252	9.62489772	7.85288270	9.54000000	2.54326286
1531.500	64.15629328	9.60141488	7.85288270	8.78000000	2.55449476
1532.000	64.86633028	9.60288800	7.85288270	8.66000000	2.55848517
1532.500	67.27459015	9.60374916	7.85288270	9.46000000	2.54918352
1533.000	68.43052680	9.58311132	7.85288270	10.58000000	2.52735584
1533.500	69.14718283	9.58253929	7.85288270	11.14000000	2.51975312
1534.000	71.42427427	9.58302184	7.85288270	12.06000000	2.50605896

1534.500	74.40208593	9.59735103	7.85288270	12.62000000	2.49524587
1535.000	77.36287393	9.60354705	7.85288270	12.98000000	2.48951716
1535.500	81.79780216	9.61613295	7.85288270	13.18000000	2.48647523
1536.000	85.83456920	9.64367283	7.85288270	13.14000000	2.48582924
1536.500	88.12771037	9.64323398	7.85288270	11.65913334	2.51064253
1537.000	88.74644698	9.62019716	7.85288270	8.94459694	2.53597159
1537.500	86.35660404	9.60071012	7.85288270	6.93555037	2.58749931
1538.000	80.09192978	9.58027874	7.85288270	6.58000000	2.57575189
1538.500	72.24362305	9.56736187	7.85288270	6.26000000	2.59720166
1539.000	61.55917918	9.56167817	7.85288270	6.26000000	2.59561991
1539.500	58.62293287	9.54755176	7.85288270	6.54000000	2.58572416
1540.000	59.56554853	9.54217135	7.85288270	8.70000000	2.55591979
1540.500	62.33137723	9.54392654	7.85288270	9.42000000	2.54840918
1541.000	64.27568161	9.52154671	7.85288270	8.86000000	2.55459703
1541.500	64.87168656	9.52336513	7.85288270	9.90000000	2.53916056
1542.000	64.19492813	9.52457160	7.85288270	10.94000000	2.51756578
1542.500	63.30917702	9.50496628	7.85288270	11.98360177	2.49665877
1543.000	62.75860298	9.48389800	7.85288270	13.32480194	2.48088114
1543.500	63.02606494	9.48321933	7.85288270	13.46682506	2.48202223
1544.000	65.07446796	9.48306255	7.85288270	12.22000000	2.49471739
1544.500	67.28083975	9.48310139	7.85288270	11.24000000	2.51731292
1545.000	67.55974526	9.48310139	7.85288270	9.16000000	2.54655712
1545.500	66.75192812	9.48306255	7.85288270	8.76000000	2.55512715
1546.000	63.98304497	9.48325817	7.85288270	8.66000000	2.56237363
1546.500	63.90103094	9.48374122	7.85288270	9.72000000	2.52792147
1547.000	66.92658778	9.50432645	7.85288270	10.45188393	2.52929335
1547.500	71.27984671	9.50343138	7.85288270	9.58413586	2.53953568
1548.000	72.98063339	9.50333901	7.85288270	9.97263877	2.53952763
1548.500	69.98639098	9.49805079	7.85288270	10.18189133	2.53741058
1549.000	70.28268644	9.48369058	7.85288270	8.43087618	2.55563184
1549.500	73.46635990	9.48297893	7.85288270	6.38458171	2.58761080
1550.000	72.67090566	9.48306792	7.85288270	4.34942928	2.64206249
1550.500	65.93624435	9.48310139	7.85288270	1.90000000	2.66876001
1551.000	66.65988294	9.48310139	7.85288270	2.50000000	2.65837267
1551.500	69.65346086	9.48310139	7.85288270	3.22000000	2.65172356
1552.000	74.65096554	9.48295425	7.85288270	3.38000000	2.65046004
1552.500	80.33337726	9.48224287	7.85288270	4.50000000	2.63193365
1553.000	86.58327660	9.48656238	7.85288270	3.26000000	2.65319721
1553.500	97.13191149	9.56312834	7.85288270	2.70000000	2.68453426
1554.000	98.49131414	9.68731912	7.85288270	7.16200000	2.50359499
1554.500	94.44206166	10.25793339	7.85288270	11.18000000	2.51152011
1555.000	70.42647758	9.77579304	7.85288270	8.06000000	2.56078336
1555.500	65.33409885	9.41717009	7.85288270	7.70000000	2.57360668
1556.000	64.84275189	9.35653707	7.85288270	7.98000000	2.57150414
1556.500	64.84114429	9.34542991	7.85288270	6.54000000	2.58077178
1557.000	66.94262137	9.31895871	7.85288270	5.98000000	2.59534728
1557.500	71.51937881	9.28366238	7.85288270	5.50000000	2.61063862
1558.000	77.31156910	9.28378763	7.85288270	5.82111096	2.60868543
1558.500	76.42979579	9.28428990	7.85288270	5.94004374	2.61515751
1559.000	76.39047768	9.28433066	7.85288270	6.69833883	2.58675376
1559.500	79.16861456	9.28449347	7.85288270	6.74000000	2.58616866
1560.000	82.39111944	9.28290264	7.85288270	4.70000000	2.61809548
1560.500	84.11004886	9.29597295	7.85288270	4.50000000	2.63343905
1561.000	83.70308207	9.28422298	7.85288270	4.86000000	2.63180863
1561.500	80.11179039	9.28461242	7.85288270	5.62000000	2.60650681
1562.000	68.82357332	9.28561973	7.85288270	9.31440000	2.55694294
1562.500	52.34867921	9.26505335	7.85288270	11.13943297	2.52198522
1563.000	49.39227725	9.26446633	7.85288270	11.51951027	2.51737243
1563.500	51.34545406	9.26398864	7.85288270	10.54669169	2.52756003
1564.000	55.79409623	9.26934484	7.85288270	10.24398563	2.53251424
1564.500	61.19566639	9.28370505	7.85288270	9.09984549	2.54170137
1565.000	64.86603416	9.28437786	7.85288270	8.51638441	2.55931970
1565.500	66.92440671	9.28450362	7.85288270	8.70000000	2.56152165
1566.000	69.95894921	9.28501624	7.85288270	9.26000000	2.55726178
1566.500	76.31433406	9.30386541	7.85288270	10.18000000	2.51667435
1567.000	79.22488777	9.33083455	7.85288270	13.02000000	2.49171233
1567.500	78.60268848	9.34135683	7.85288270	13.90309677	2.47828181
1568.000	73.23012013	9.36366830	7.85288270	14.73161292	2.45947211

1568.500	71.74572137	9.38785191	7.85288270	15.19944708	2.45518145
1569.000	73.82875142	9.42264351	7.85288270	13.34000000	2.47520848
1569.500	74.71793922	9.43693108	7.85288270	12.70000000	2.48888677
1570.000	74.64935701	9.44322825	7.85288270	12.50000000	2.48896169
1570.500	73.45347457	9.44340794	7.85288270	13.22000000	2.48521870
1571.000	70.93908019	9.44295392	7.85288270	14.34000000	2.47530801
1571.500	71.40058517	9.44831012	7.85288270	13.98000000	2.46412486
1572.000	75.37457601	9.46244557	7.85288270	13.46000000	2.48067467
1572.500	81.69076467	9.46304862	7.85288270	12.54000000	2.48261828
1573.000	91.46192116	9.44325512	7.85288270	10.34000000	2.52379648
1573.500	100.27996701	9.42266854	7.85288270	7.38000000	2.55761776
1574.000	108.56244072	9.42491766	7.85288270	6.82000000	2.59720582
1574.500	110.47303830	9.49822146	7.85288270	8.02000000	2.53585943
1575.000	105.93336410	9.89723459	7.85288270	11.78000000	2.46587752
1575.500	100.93156968	10.35056224	7.85288270	10.78000000	2.46240108
1576.000	99.57612062	10.44650762	7.85288270	5.41771429	2.59467364
1576.500	105.19193246	9.86319047	7.85288270	3.38000000	2.66944256
1577.000	107.59119649	9.77031145	7.85288270	4.86000000	2.62788570
1577.500	104.81263076	10.33867283	7.85288270	7.06000000	2.58144015
1578.000	99.82665927	10.42140262	7.85288270	10.58000000	2.49847363
1578.500	93.76760978	10.69000577	7.85288270	12.02000000	2.50040185
1579.000	86.00876315	11.05558538	7.85288270	8.01680000	2.57360064
1579.500	78.67388759	10.36553803	7.85288270	5.26954421	2.61696923
1580.000	71.38164061	9.48420344	7.85288270	5.20510693	2.62126567
1580.500	70.12836318	9.35898303	7.85288270	5.45870617	2.61709125
1581.000	69.90686086	9.36196454	7.85288270	6.01576839	2.60713535
1581.500	70.01090225	9.36567398	7.85288270	7.01876921	2.58229680
1582.000	69.63215229	9.35952561	7.85288270	8.18556238	2.56092559
1582.500	69.69654994	9.36435992	7.85288270	9.40920250	2.53879242
1583.000	70.53143623	9.36388223	7.85288270	11.26574202	2.52514553
1583.500	71.62788251	9.36381710	7.85288270	12.10737066	2.50253323
1584.000	72.94466296	9.36381710	7.85288270	12.81318890	2.48659867
1584.500	72.01413645	9.36381710	7.85288270	13.26000000	2.48335151
1585.000	70.82229903	9.36381710	7.85288270	13.22000000	2.48727238
1585.500	70.46749222	9.36385594	7.85288270	12.00180000	2.49567960
1586.000	70.25656394	9.36363118	7.85288270	10.23960000	2.52359013
1586.500	69.73532121	9.36352258	7.85288270	8.47740000	2.54487078
1587.000	68.69329956	9.34393205	7.85288270	6.71520000	2.57814469
1587.500	65.70229719	9.32388242	7.85288270	4.29000000	2.62606963
1588.000	65.69783719	9.32359039	7.85288270	1.86000000	2.67219200
1588.500	67.28109382	9.35859315	7.85288270	3.74000000	2.64306392
1589.000	76.93041076	9.35899183	7.85288270	6.10000000	2.60080651
1589.500	84.25608700	9.34427562	7.85288270	6.50000000	2.59649596
1590.000	87.57672232	9.34890345	7.85288270	5.78910000	2.60184305
1590.500	89.26090402	9.37426485	7.85288270	5.42000000	2.61594218
1591.000	88.82497260	9.38474316	7.85288270	4.90000000	2.62200347
1591.500	89.88546566	9.35141136	7.85288270	4.06000000	2.64389127
1592.000	92.35913818	9.28958608	7.85288270	5.38000000	2.62541295
1592.500	90.80550037	9.26246389	7.85288270	4.54000000	2.61853180
1593.000	88.19441174	9.26325039	7.85288270	4.26000000	2.63368242
1593.500	83.30945274	9.29045983	7.85288270	6.74000000	2.58473206
1594.000	77.76501284	9.90397687	7.85288270	5.82000000	2.59588672
1594.500	72.64411432	9.45236731	7.85288270	3.82000000	2.64098497
1595.000	70.95708709	9.21332105	7.85288270	3.22000000	2.64766802
1595.500	75.47750862	9.18221920	7.85288270	3.22000000	2.64963683
1596.000	83.53683596	9.18422716	7.85288270	4.26000000	2.64078487
1596.500	86.39745825	9.19697190	7.85288270	4.82098210	2.63253311
1597.000	84.40905396	9.24984885	7.85288270	4.21962148	2.63405102
1597.500	78.91620479	9.28333336	7.85288270	3.65144404	2.63050192
1598.000	75.80626047	9.29102480	7.85288270	2.98541337	2.62684550
1598.500	75.86514476	9.29865608	7.85288270	2.86000000	2.65010687
1599.000	80.62012404	9.30232746	7.85288270	3.38000000	2.64887866
1599.500	86.66210996	9.33796704	7.85288270	3.98000000	2.65386496
1600.000	87.98028084	9.44776918	7.85288270	8.96000000	2.53593469
1600.500	83.77396216	9.99179057	7.85288270	6.48500000	2.57634106
1601.000	82.44577340	10.01198733	7.85288270	4.50000000	2.61944410
1601.500	85.68007426	9.33665743	7.85288270	5.18000000	2.63032112
1602.000	84.30934736	9.30539862	7.85288270	5.90000000	2.60658719

1602.500	81.32070152	9.33884760	7.85288270	5.10000000	2.60543207
1603.000	78.01234681	9.31027123	7.85288270	5.68000000	2.61934815
1603.500	75.03590370	9.30403133	7.85288270	7.26000000	2.58797342
1604.000	73.41063052	9.30529176	7.85288270	7.18000000	2.58704805
1604.500	72.29523257	9.27851406	7.85288270	6.14000000	2.59323081
1605.000	71.80571173	9.26447024	7.85288270	4.56000000	2.62188943
1605.500	71.69867799	9.26461464	7.85288270	3.80000000	2.64063556
1606.000	72.35297178	9.26503953	7.85288270	4.36000000	2.63045752
1606.500	72.60391641	9.28560510	7.85288270	4.90000000	2.62597030
1607.000	68.93668339	9.28451708	7.85288270	4.32000000	2.63007876
1607.500	64.02316252	9.28481544	7.85288270	4.95712068	2.62099958
1608.000	62.42313421	9.29936157	7.85288270	5.57602238	2.61260379
1608.500	61.80994087	9.30535760	7.85288270	4.19646835	2.62948491
1609.000	60.44827845	9.32614381	7.85288270	2.89788004	2.65360572
1609.500	60.33964604	9.34562169	7.85288270	2.07919795	2.66878586
1610.000	64.45632934	9.34377044	7.85288270	1.91630022	2.66769563
1610.500	72.33856710	9.34320142	7.85288270	3.14000000	2.65209783
1611.000	83.89387727	9.37747285	7.85288270	3.30000000	2.64932218
1611.500	95.62789374	9.41956562	7.85288270	3.78000000	2.65001405
1612.000	98.85878491	9.45913960	7.85288270	2.78000000	2.66630582
1612.500	95.68117683	9.50954381	7.85288270	1.70000000	2.67564239
1613.000	88.08239077	9.56753137	7.85288270	1.54000000	2.67491077
1613.500	82.07752453	9.63637828	7.85288270	2.22000000	2.66895577
1614.000	78.39972276	9.65832068	7.85288270	2.34200000	2.66552780
1614.500	80.24460720	9.68264162	7.85288270	1.18000000	2.67950838
1615.000	86.32974439	9.68088792	7.85288270	0.32000000	2.69314434
1615.500	86.52855868	9.71684462	7.85288270	0.06000000	2.70037750
1616.000	86.01260042	9.70041786	7.85288270	1.06000000	2.68847831
1616.500	84.31379572	9.70243462	7.85288270	3.90000000	2.63529750
1617.000	79.77615069	9.76844333	7.85288270	5.41600000	2.61100937
1617.500	78.52633583	9.73988681	7.85288270	5.98000000	2.60351079
1618.000	80.38043695	9.72222816	7.85288270	6.78000000	2.56126183
1618.500	86.78874783	9.72441237	7.85288270	9.02000000	2.55179863
1619.000	96.24101561	9.76176718	7.85288299	9.50000000	2.53391903
1619.500	100.21822526	9.87200116	7.85288167	9.34000000	2.49388893
1620.000	97.60120697	10.25212444	7.85283574	13.10000000	2.48551931
1620.500	94.36590340	11.03190198	7.85278677	8.46000000	2.55865269
1621.000	92.87286649	11.32072241	7.85273792	9.69000000	2.52745507
1621.500	93.42801387	11.39731124	7.85268914	11.56000000	2.51255166
1622.000	99.84703592	11.73673196	7.85264036	6.02000000	2.61444395
1622.500	109.07214016	11.89774795	7.85259159	4.32000000	2.62637936
1623.000	115.62500007	10.55880620	7.85254281	4.98000000	2.64011310
1623.500	115.88843003	10.05773654	7.85249403	2.10138874	2.68202535
1624.000	115.20079088	9.97301583	7.85244526	0.90551661	2.68458917
1624.500	114.27695459	10.10458781	7.85239648	5.14000000	2.61023525
1625.000	112.54999068	10.32640891	7.85234771	5.34000000	2.60035289
1625.500	111.34998163	10.46010892	7.85229893	5.90000000	2.61249814
1626.000	107.76387620	10.56958997	7.85225015	4.36000000	2.62233183
1626.500	105.54945811	9.94257643	7.85220138	2.24000000	2.66213696
1627.000	101.78864168	9.78406134	7.85215260	2.98000000	2.65244141
1627.500	93.39298518	9.85727365	7.85210382	3.54000000	2.65311265
1628.000	85.33330208	9.83848583	7.85205505	2.18000000	2.66334551
1628.500	80.77193971	9.74683260	7.85200627	3.10000000	2.65125125
1629.000	81.24430323	9.75367464	7.85195749	4.62000000	2.63653725
1629.500	86.79736428	9.75787880	7.85190872	3.78000000	2.64044634
1630.000	90.26029714	9.78508304	7.85185994	5.18000000	2.62191900
1630.500	93.68935344	9.80110404	7.85181116	4.54000000	2.62170724
1631.000	97.37572735	9.81630354	7.85176239	3.75891123	2.64470888
1631.500	101.44692722	9.82149307	7.85171361	3.81679918	2.64276705
1632.000	105.55247434	9.82117753	7.85166484	4.78648852	2.62864517
1632.500	109.68668181	9.82086380	7.85161606	5.60000000	2.60957085
1633.000	115.33818080	9.82037652	7.85156728	6.04000000	2.59837685
1633.500	116.43846947	9.82768958	7.85151851	4.38000000	2.64019166
1634.000	112.97863439	9.89162262	7.85146973	6.98000000	2.60481370
1634.500	93.21080831	10.30319509	7.85142095	13.78000000	2.48386289
1635.000	85.63520354	10.01255955	7.85137218	12.44000000	2.47997391
1635.500	90.48005851	9.60717645	7.85132340	10.90000000	2.51564690
1636.000	102.89458027	9.60528911	7.85127462	11.75000000	2.51003620

1636.500	113.94697490	9.67701921	7.85122585	15.55000000	2.45789129
1637.000	120.04001449	9.84579297	7.85117707	18.32000000	2.39539865
1637.500	113.25402783	10.62435026	7.85112829	16.52500000	2.42311387
1638.000	97.64295540	10.41728337	7.85107952	14.94000000	2.44984436
1638.500	86.69071140	10.40328318	7.85103074	11.16000000	2.47699120
1639.000	85.02400898	10.12242158	7.85098197	6.20000000	2.58604301
1639.500	88.03208360	9.91903416	7.85093319	6.06000000	2.59696016
1640.000	92.72519045	9.91987010	7.85088441	7.20000000	2.57860661
1640.500	104.33146094	9.94044322	7.85083564	9.04000000	2.53656261
1641.000	115.78661763	10.11510818	7.85078686	12.96800000	2.48371691
1641.500	116.94589922	10.66618687	7.85073808	14.56000000	2.46109144
1642.000	112.11176976	11.58741744	7.85068931	13.44000000	2.46764754
1642.500	103.68645640	11.60922960	7.85064053	12.02000000	2.49933304
1643.000	102.74661271	11.57137605	7.85059175	10.88000000	2.51897470
1643.500	106.52073540	11.40759263	7.85054298	8.94000000	2.54682059
1644.000	113.00674182	11.39445820	7.85049420	8.56000000	2.55847637
1644.500	111.14483642	11.49178552	7.85044543	10.10000000	2.53682012
1645.000	101.49431434	11.52526254	7.85039665	9.74000000	2.53817170
1645.500	98.22557392	11.14169463	7.85034787	9.12000000	2.54459710
1646.000	97.28302510	11.29613766	7.85029910	9.08000000	2.54637150
1646.500	96.11339964	11.29319976	7.85025032	13.22000000	2.48261281
1647.000	94.59677480	11.23251931	7.85020154	12.42000000	2.49187798
1647.500	92.97084038	11.16807066	7.85015277	11.66000000	2.50429370
1648.000	88.55165969	11.13505203	7.85010399	10.30000000	2.52390204
1648.500	85.62263918	11.28755971	7.85005521	9.92000000	2.53745650
1649.000	86.41649840	11.41133381	7.85000644	12.82000000	2.49492070
1649.500	91.93191201	10.99619249	7.84995766	12.10000000	2.49887036
1650.000	99.30655703	10.28375706	7.84990888	16.10000000	2.50189070
1650.500	104.89075889	10.85416990	7.84986011	18.66000000	2.39508200
1651.000	110.55189998	11.12938875	7.84981133	21.59600000	2.34460459
1651.500	111.47549045	11.63372395	7.84976256	25.54000000	2.28370605
1652.000	109.17088732	11.86514904	7.84971378	24.21300000	2.28337675
1652.500	107.19703540	11.92790587	7.84966500	20.55875000	2.35691312
1653.000	108.68120572	12.23100827	7.84961623	16.70000000	2.43033553
1653.500	107.35011557	12.19376236	7.84956745	9.55433333	2.52905583
1654.000	103.45011492	11.73260198	7.84951867	5.26000000	2.59968148
1654.500	89.96576017	10.65312194	7.84946990	5.10000000	2.61941305
1655.000	87.74407973	10.37079599	7.84942112	9.10000000	2.55190490
1655.500	84.51640488	10.31190348	7.84937234	8.22287993	2.56451526
1656.000	88.09116542	10.23811150	7.84932357	7.72105492	2.57325703
1656.500	96.67433519	10.21673808	7.84927479	9.41735309	2.54202485
1657.000	105.43039987	10.24787746	7.84922601	12.26000000	2.47054619
1657.500	111.50235494	10.37012439	7.84917724	18.13000000	2.39334929
1658.000	111.67776382	10.66739760	7.84912846	24.93066667	2.30361788
1658.500	106.07859362	11.72824034	7.84907969	28.26000000	2.23778282
1659.000	99.88863906	11.92645673	7.84903091	28.62000000	2.22993301
1659.500	89.20688619	11.28973526	7.84898213	25.00500000	2.30136641
1660.000	83.12017661	11.29493488	7.84893336	19.16882964	2.38812439
1660.500	79.41483622	11.60528894	7.84888458	14.03896069	2.46622165
1661.000	78.34548523	11.70976988	7.84883580	10.23666667	2.53830155
1661.500	76.79934911	11.39657892	7.84878703	7.00333333	2.58734538
1662.000	73.48462579	11.19602320	7.84873825	4.42000000	2.63556186
1662.500	70.40852926	10.73516437	7.84868947	5.84000000	2.60953106
1663.000	69.55680852	10.33261736	7.84864070	5.06000000	2.60354242
1663.500	71.00067518	10.06316228	7.84859192	4.88000000	2.62697323
1664.000	74.32631385	10.02014584	7.84854314	5.80000000	2.60549198
1664.500	81.77315958	9.99761878	7.84849437	5.60000000	2.60501064
1665.000	90.56175288	9.97870361	7.84844559	5.02000000	2.61776588
1665.500	95.87140698	9.97892259	7.84839682	3.60000000	2.64699715
1666.000	101.85422177	9.95336753	7.84834804	2.94000000	2.65358110
1666.500	102.83345142	10.05813087	7.84829926	5.76000000	2.62124817
1667.000	97.63535279	10.51241904	7.84825049	6.00000000	2.59624267
1667.500	97.98653272	10.38917915	7.84820171	5.20000000	2.61272378
1668.000	97.33236626	10.22154580	7.84815293	5.66000000	2.61670657
1668.500	94.41693665	10.22183699	7.84810416	5.40000000	2.61141114
1669.000	91.40232241	10.26301341	7.84805538	4.70000000	2.63049797
1669.500	89.23362264	10.25599025	7.84800660	3.74000000	2.63828122
1670.000	88.32319710	10.29880031	7.84795783	3.62000000	2.64230385

1670.500	86.92990743	10.28322512	7.84790905	3.30000000	2.64861981
1671.000	84.72684669	10.26430375	7.84786027	2.70000000	2.65358307
1671.500	83.26735094	10.23954304	7.84781150	3.90000000	2.65190815
1672.000	84.90083923	10.24831121	7.84776272	4.98000000	2.63495521
1672.500	84.63495689	10.27436201	7.84771395	4.19147864	2.62823921
1673.000	84.02511978	10.28430811	7.84766517	2.98064025	2.70714747
1673.500	83.03066895	10.31132656	7.84761639	2.89471921	2.71097618
1674.000	82.64710633	10.36585122	7.84756762	4.10000000	2.65482264
1674.500	84.53180336	10.46702307	7.84751884	4.42000000	2.65689191
1675.000	88.50143201	10.71825660	7.84747006	6.43777778	2.59823425
1675.500	90.25288071	10.95697488	7.84742129	9.10866667	2.54721505
1676.000	87.84539886	11.03417669	7.84737251	10.58000000	2.52832361
1676.500	84.23738903	11.11816205	7.84732373	10.46000000	2.53261285
1677.000	82.69988075	11.40230586	7.84727496	9.18000000	2.54687394
1677.500	80.06589894	11.57856866	7.84722618	7.46000000	2.57771014
1678.000	76.74055477	11.26897713	7.84717740	5.58228571	2.62137447
1678.500	78.92592257	11.07178119	7.84712863	4.72711071	2.63924679
1679.000	83.35793028	10.94938750	7.84707985	5.41721415	2.61366551
1679.500	86.63724534	10.98284405	7.84703108	8.50678224	2.57795152
1680.000	86.04257440	11.13094639	7.84698230	8.37719058	2.55368126
1680.500	82.92613360	11.22857178	7.84693352	9.54000000	2.54621247
1681.000	80.30556715	10.99897047	7.84688475	10.62000000	2.52033516
1681.500	82.14707925	10.93380036	7.84683597	12.80900000	2.48746923
1682.000	84.27372306	11.20673137	7.84678719	15.94943944	2.45999652
1682.500	84.84030443	11.55070488	7.84673842	16.98159154	2.42099203
1683.000	84.79866833	11.85566857	7.84668964	19.23365685	2.40148386
1683.500	82.48720227	12.27562146	7.84664086	21.99805428	2.34173315
1684.000	77.03427895	12.32975899	7.84659209	24.34146001	2.29390496
1684.500	75.49552982	12.08580114	7.84654331	-999.25000000	2.23846448
1685.000	80.90574093	11.45337721	7.84649454	-999.25000000	2.10069806
1685.500	87.91806983	11.32588636	7.84644576	-999.25000000	2.10599621
1686.000	93.77537908	11.98922566	7.84639698	-999.25000000	2.11337655
1686.500	94.67571589	12.61277632	7.84634821	-999.25000000	2.11884000
1687.000	93.09734769	12.54543749	7.84629943	25.06000000	2.12550000
1687.500	88.89035993	11.86396227	7.84625065	16.90000000	2.41750000
1688.000	78.39328549	12.47708429	7.84620188	17.42000000	2.41090500
1688.500	70.08592704	13.28831809	7.84615310	12.52736691	2.46587635
1689.000	67.10067434	11.46058824	7.84610432	7.52312003	2.57310785
1689.500	71.37269750	10.43894830	7.84605555	7.03970992	2.57120401
1690.000	76.86601672	10.40163057	7.84600677	6.03677400	2.56753785
1690.500	82.60046546	10.56840519	7.84595799	5.88978548	2.60262939
1691.000	85.99441114	10.87123855	7.84590922	10.49897571	2.53180076
1691.500	83.51749418	11.23264191	7.84586044	11.98000000	2.50190905
1692.000	84.84027661	11.66333244	7.84581167	11.38000000	2.50977370
1692.500	82.00512942	11.79186270	7.84576289	13.10000000	2.48489748
1693.000	82.07819699	11.73890912	7.84571411	15.35181155	2.45696114
1693.500	84.89084669	11.42594881	7.84566534	14.56547756	2.44866439
1694.000	88.10777627	11.59410081	7.84561656	11.95522591	2.48709377
1694.500	86.31346408	11.68328667	7.84556778	11.81883236	2.50247975
1695.000	84.25809527	11.66419502	7.84551901	11.57434465	2.50129514
1695.500	82.97552496	11.68615289	7.84547023	11.94388972	2.50375966
1696.000	84.33973127	11.69149993	7.84542145	12.94000000	2.47108065
1696.500	87.76706915	11.87978195	7.84537268	17.02000000	2.42259065
1697.000	88.75257716	12.03988588	7.84532390	17.70000000	2.40926192
1697.500	86.69786227	12.04276669	7.84527512	17.30000000	2.41044836
1698.000	82.78101564	11.99277886	7.84522635	15.50000000	2.42375682
1698.500	84.52915929	11.77405013	7.84517757	10.72100000	2.48836323
1699.000	86.39509095	11.60962332	7.84512880	9.79927117	2.53667345
1699.500	84.19506656	11.18803986	7.84508002	10.70984785	2.53061087
1700.000	74.41332975	11.01606457	7.84503124	9.86539945	2.54354276
1700.500	73.59706298	10.57958471	7.84498247	3.16000000	2.63891196
1701.000	73.96907792	10.22006585	7.84493369	2.40000000	2.66069235
1701.500	73.20215372	10.30670948	7.84488491	1.86000000	2.67151879
1702.000	77.01726791	10.49763096	7.84483614	2.40000000	2.66833170
1702.500	78.23350838	10.57539600	7.84478736	4.90000000	2.62614394
1703.000	78.53773853	10.56942646	7.84473858	5.06000000	2.65034338
1703.500	76.23873901	10.38231761	7.84468981	4.00000000	2.63641064
1704.000	75.33964538	10.24812866	7.84464103	6.24400000	2.60048172

1704.500	77.66731224	10.20621076	7.84459225	7.28000000	2.57840136
1705.000	81.48369794	10.18342971	7.84454348	8.64000000	2.55387957
1705.500	80.40104747	10.24928212	7.84449470	9.74000000	2.54337975
1706.000	77.65019517	10.38865338	7.84444593	9.94000000	2.52599421
1706.500	76.13485609	10.42854145	7.84439715	7.01200000	2.58076869
1707.000	76.88592464	10.14140502	7.84434837	5.72000000	2.60556367
1707.500	81.24896695	10.27380316	7.84429960	4.03000000	2.63255250
1708.000	86.70399325	10.72482190	7.84425082	1.42000000	2.69290261
1708.500	87.55600465	10.51701110	7.84420204	-1.36338282	2.72403194
1709.000	86.71652537	10.14577044	7.84415327	1.73242174	2.68665985
1709.500	87.01848402	10.11422977	7.84410449	1.28698096	2.67972773
1710.000	91.72782130	10.09928081	7.84405571	-0.58000000	2.71225896
1710.500	97.16253300	10.09924764	7.84400694	1.10000000	2.69788561
1711.000	101.26479617	10.09933127	7.84395816	2.92000000	2.66065944
1711.500	101.88460189	10.09957949	7.84390938	3.18000000	2.65061326
1712.000	98.90841828	10.10021985	7.84386061	3.54000000	2.64398507
1712.500	95.18102037	10.11914344	7.84381183	4.08000000	2.64264067
1713.000	92.03127475	10.13970124	7.84376306	2.76000000	2.65646600
1713.500	89.31482475	10.17765994	7.84371428	2.46000000	2.65900820
1714.000	90.52565789	10.22509024	7.84366550	2.38000000	2.66623774
1714.500	92.95194200	10.34525148	7.84361673	3.20000000	2.65038780
1715.000	90.97172950	10.54452111	7.84356795	5.32000000	2.61262967
1715.500	85.74175407	10.77326738	7.84351917	5.36000000	2.62547943
1716.000	80.25903337	10.97859820	7.84347040	3.33000000	2.64543424
1716.500	78.05851947	10.86761072	7.84342162	4.88000000	2.62948091
1717.000	78.09392792	10.36429273	7.84337284	5.02000000	2.62493038
1717.500	75.62583707	10.10094427	7.84332407	3.66000000	2.64163771
1718.000	73.54941590	10.05217408	7.84327529	3.86000000	2.64113506
1718.500	72.62992419	10.03956233	7.84322651	4.72000000	2.82007159
1719.000	76.12722159	10.09375232	7.84317774	5.50000000	2.79847185
1719.500	77.09432564	10.14659563	7.84312896	6.12000000	2.80111580
1720.000	77.61305333	10.21339232	7.84308019	7.66000000	2.80245465
1720.500	78.08195871	10.36547788	7.84303141	9.14000000	2.80155772
1721.000	78.30961985	10.61523555	7.84298263	11.78000000	2.80150188
1721.500	78.24652768	10.90622988	7.84293386	14.74422222	2.80153010
1722.000	76.74963758	11.30637928	7.84288508	18.62000000	2.80243080
1722.500	74.67986891	11.82297132	7.84283630	19.94000000	2.80149689
1723.000	72.45792908	11.88716181	7.84278753	19.94000000	2.80149563
1723.500	70.80861316	11.91045185	7.84273875	13.55750000	2.80149983
1724.000	71.73980516	11.59010080	7.84268997	10.78818580	2.80150000
1724.500	72.37358202	11.25927362	7.84264120	12.75877499	2.80149446
1725.000	70.94868359	10.68167561	7.84259242	13.39899343	2.80174024
1725.500	67.99938522	10.09033968	7.84254364	10.12000000	2.79858477
1726.000	67.26489041	10.08885471	7.84249487	7.74000000	2.80424303
1726.500	75.19361058	10.50597465	7.84244609	7.78000000	2.80145261
1727.000	77.31476396	10.75861423	7.84239732	10.69040000	2.80147154
1727.500	83.64998370	10.81219470	7.84234854	14.34000000	2.80152985
1728.000	80.69462109	11.27807917	7.84229976	13.70000000	2.80224089
1728.500	74.65389158	11.60305352	7.84225099	10.86000000	2.80225394
1729.000	69.06469651	11.68210809	7.84220221	10.46000000	2.80339230
1729.500	67.60536280	11.72744981	7.84215343	11.58000000	2.80693110
1730.000	67.97527394	11.14649668	7.84210466	11.73042708	2.81450548
1730.500	68.72208673	10.51135983	7.84205588	7.58366331	2.52010430
1731.000	69.58702371	10.29434142	7.84200710	3.95922912	2.63596772
1731.500	75.70927203	10.37234028	7.84195833	1.66000000	2.74850000
1732.000	74.63728632	10.66656097	7.84190955	1.66000000	2.76850000
1732.500	71.33236201	10.98392512	7.84186078	8.50000000	2.59690000
1733.000	68.25513214	11.03960919	7.84181200	8.74000000	2.53421761
1733.500	67.22735654	10.56468955	7.84176322	6.42000000	2.59243805
1734.000	68.42939160	10.45692024	7.84171445	4.65600000	2.61066131
1734.500	70.27912468	10.57310390	7.84166567	2.90000000	2.65020888
1735.000	75.30290669	10.88458132	7.84161689	2.58000000	2.65538029
1735.500	77.61988888	11.16109311	7.84156812	8.98000000	2.59902875
1736.000	78.01994270	11.00835771	7.84151934	11.16571429	2.51545987
1736.500	80.06151383	11.09380460	7.84147056	11.86000000	2.50342835
1737.000	82.45673070	11.21248353	7.84142179	11.90000000	2.50179406
1737.500	84.50074846	11.45760105	7.84137301	14.36833333	2.46486317
1738.000	84.06421689	11.48382704	7.84132423	15.62076152	2.44080813

1738.500	81.42575893	11.57911474	7.84127546	15.99000233	2.43542351
1739.000	76.73445065	11.92542174	7.84122668	16.03692394	2.43469045
1739.500	75.12782448	11.59120969	7.84117791	16.50812903	2.42855387
1740.000	73.69723460	11.36915286	7.84112913	13.16811596	2.41960523
1740.500	73.19071600	11.36890469	7.84108035	9.26857423	2.56330147
1741.000	76.50162022	11.23705268	7.84103158	8.86000000	2.54995007
1741.500	76.76418552	11.17163657	7.84098280	6.70000000	2.56936393
1742.000	77.11388672	11.12215661	7.84093402	7.26000000	2.58569777
1742.500	75.80503049	10.99438876	7.84088525	7.58000000	2.57082991
1743.000	73.39589084	11.10635460	7.84083647	6.34000000	2.59098815
1743.500	71.88044512	11.30531195	7.84078769	7.10000000	2.56953230
1744.000	72.70702956	11.52152375	7.84073892	5.22000000	2.59455953
1744.500	73.52263998	11.53754640	7.84069014	4.94000000	2.62192452
1745.000	72.70484644	11.08972900	7.84064136	5.26000000	2.62408989
1745.500	70.47989812	11.04731334	7.84059259	6.09650894	2.60431072
1746.000	69.37666126	11.07690393	7.84054381	7.85464119	2.56300680
1746.500	69.30039670	11.06327139	7.84049504	12.90278410	2.48154189
1747.000	71.64264520	11.43059482	7.84044626	16.34000000	2.43535560
1747.500	75.99967507	11.63909116	7.84039748	15.74000000	2.43366830
1748.000	77.94858322	11.83589036	7.84034871	17.86000000	2.43727503
1748.500	77.47523194	11.74301405	7.84029993	17.34000000	2.40700705
1749.000	74.56386368	11.34407785	7.84025115	16.66000000	2.42305724
1749.500	70.21394150	11.39230949	7.84020238	19.98000000	2.37353489
1750.000	66.58059708	11.67607089	7.84015360	19.82000000	2.36152439
1750.500	64.04855670	12.25260485	7.84010482	20.32000000	2.36892081
1751.000	64.48193941	11.55714897	7.84005605	19.92000000	2.36873466
1751.500	64.87040418	11.10302834	7.84000727	21.56000000	2.34836872
1752.000	65.36887233	11.26128252	7.83995849	22.34000000	2.33045312
1752.500	66.35797720	11.58626664	7.83990972	21.38857143	2.36234809
1753.000	67.33283379	11.49230596	7.83986094	18.67428571	2.38614110
1753.500	67.77555114	11.59528246	7.83981217	16.47605595	2.42450968
1754.000	62.02942387	11.54737805	7.83976339	17.67902538	2.40598866
1754.500	68.39056891	11.66845386	7.83971461	18.98619674	2.38943314
1755.000	60.12754743	11.95966377	7.83966584	16.52222222	2.43066830
1755.500	60.95335548	11.93966233	7.83961706	13.81111111	2.48803799
1756.000	61.47898006	12.09812968	7.83956828	4.36000000	2.57627427
1756.500	62.18619380	11.23739076	7.83951951	6.18000000	2.64238500
1757.000	61.76955010	10.87796404	7.83947073	6.48000000	2.59383028
1757.500	61.51610455	10.39228072	7.83942195	4.18888889	2.63068790
1758.000	63.61863063	10.15815315	7.83937318	2.76297673	2.64813722
1758.500	67.04685644	10.24906033	7.83932440	1.34764224	2.67358706
1759.000	69.52498385	10.48982239	7.83927562	1.71167950	2.67612173
1759.500	67.54999622	10.22600542	7.83922685	1.96000000	2.67074431
1760.000	66.02105659	10.10505349	7.83917807	5.46000000	2.63861315
1760.500	65.73953922	10.13636226	7.83912930	7.62000000	2.59264434
1761.000	66.41153662	10.10918649	7.83908052	9.74000000	2.54539403
1761.500	67.51196304	10.02165362	7.83903174	6.50000000	2.56881472
1762.000	69.72483832	10.23727843	7.83898297	8.53400000	2.58503278
1762.500	73.42955626	11.08178887	7.83893419	15.38000000	2.44693551
1763.000	71.38424109	11.70225633	7.83888541	14.48400000	2.44904557
1763.500	68.39970197	11.79310550	7.83883664	12.82000000	2.48896448
1764.000	66.47858705	11.88882541	7.83878786	11.98196725	2.49783268
1764.500	67.10112592	11.06133076	7.83873908	9.21006442	2.52502879
1765.000	70.66407187	10.48874849	7.83869031	6.03928154	2.58359694
1765.500	73.71561537	9.96144509	7.83864153	3.62588676	2.63916024
1766.000	74.13939041	9.87770920	7.83859275	4.14828920	2.64153630
1766.500	73.44362541	9.82483300	7.83854398	6.01040404	2.60917363
1767.000	72.65783501	9.78105697	7.83849520	8.57854545	2.58550000
1767.500	76.77532233	9.81289437	7.83844643	11.48000000	2.53250000
1768.000	79.57273503	9.90536759	7.83839765	16.14200000	2.46832000
1768.500	81.49046319	10.07935122	7.83834887	23.51200000	2.33045000
1769.000	81.94574688	10.25122423	7.83830010	-999.25000000	2.19362685
1769.500	82.44688699	10.51571005	7.83825132	-999.25000000	-999.25000000
1770.000	82.78058381	11.87263687	7.83820254	-999.25000000	-999.25000000
1770.500	82.83359668	12.86889576	7.83815377	-999.25000000	-999.25000000
1771.000	82.75470826	13.54110146	7.83810499	-999.25000000	-999.25000000
1771.500	79.60605602	13.71380671	7.83805621	-999.25000000	2.13480431
1772.000	77.30921916	12.08408260	7.83800744	24.76309884	2.30892688

1772.500	74.36823624	11.93163494	7.83795866	16.63317236	2.41369393
1773.000	66.91597872	11.00188810	7.83790989	10.38470639	2.51942794
1773.500	66.00175234	9.77826688	7.83786111	4.17600000	2.66921444
1774.000	66.75237062	9.70212247	7.83781233	1.66000000	2.67155283
1774.500	69.94505718	9.68300547	7.83776356	2.46000000	2.66338542
1775.000	71.74476554	9.68183601	7.83771478	3.54000000	2.64574080
1775.500	71.67680592	9.68315668	7.83766600	3.02000000	2.65474864
1776.000	69.83960973	9.66074086	7.83761723	4.98000000	2.62671446
1776.500	66.63848603	9.66218050	7.83756845	4.90000000	2.62453527
1777.000	63.08611997	9.66182886	7.83751967	4.98000000	2.62972503
1777.500	62.50142324	9.66169077	7.83747090	7.48666667	2.57080948
1778.000	61.71782546	9.67136284	7.83742212	11.06000000	2.53677055
1778.500	58.73507444	9.80069633	7.83737334	15.88181818	2.44707441
1779.000	52.64221684	10.56202721	7.83732457	20.42000000	2.35796977
1779.500	48.00700816	11.10929266	7.83727579	15.68472509	2.42050000
1780.000	46.00091186	9.92359991	7.83722702	4.98086222	2.60860904
1780.500	46.56223657	9.40172919	7.83717824	-1.64127441	2.73350000
1781.000	46.96087395	9.37995267	7.83712946	-2.01684206	2.73723732
1781.500	46.96549669	9.38251202	7.83708069	-2.61523195	2.74843244
1782.000	46.97073921	9.38418331	7.83703191	-3.23413756	2.75944360
1782.500	47.17912391	9.39731219	7.83698313	-3.49723532	2.75668077
1783.000	48.16404434	9.51090751	7.83693436	-1.82000000	2.74251689
1783.500	49.34044858	9.48667901	7.83688558	-1.14000000	2.72596583
1784.000	49.93331552	9.36287498	7.83683680	-0.54000000	2.71845284
1784.500	50.73846459	9.36396002	7.83678803	0.05216584	2.70186988
1785.000	52.72797832	9.36501684	7.83673925	0.54914676	2.69218351
1785.500	55.19501227	9.34283555	7.83669047	0.05097223	2.69515959
1786.000	59.81659891	9.34293952	7.83664170	-0.94000000	2.71705741
1786.500	64.83040902	9.36550924	7.83659292	-0.94000000	2.71822612
1787.000	65.48798594	9.35869963	7.83654415	-0.02000000	2.70770669
1787.500	64.29568232	9.34450643	7.83649537	0.62000000	2.69139305
1788.000	62.35736001	9.34381392	7.83644659	-0.74000000	2.68921857
1788.500	61.05309301	9.34388856	7.83639782	-0.94000000	2.71536118
1789.000	61.95162362	9.34385726	7.83634904	-0.22000000	2.70891046
1789.500	64.22584646	9.34287189	7.83630026	-0.14000000	2.70538504
1790.000	62.13358130	9.38514525	7.83625149	-0.54000000	2.70773230
1790.500	58.21897428	9.42960863	7.83620271	-0.52458585	2.71162573
1791.000	57.99943415	9.45709458	7.83615393	0.35700566	2.70264638
1791.500	58.66889337	9.48164859	7.83610516	1.80112671	2.67568038
1792.000	59.79089898	9.50440652	7.83605638	2.60000000	2.65967587
1792.500	61.10077793	9.50343579	7.83600760	4.06000000	2.64529303
1793.000	61.60953181	9.52412478	7.83595883	6.46000000	2.60221982
1793.500	61.56498734	9.52388577	7.83591005	8.86000000	2.56751969
1794.000	59.90512875	9.53756138	7.83586128	10.51142857	2.53606658
1794.500	57.04973525	9.70588063	7.83581250	14.34000000	2.49522218
1795.000	52.66238564	10.47229850	7.83576372	12.46749627	2.47422304
1795.500	52.42827265	9.55481781	7.83571495	3.20352870	2.68200664
1796.000	53.56366721	9.90797387	7.83566617	-3.29186259	2.75179549
1796.500	53.74043802	9.88653278	7.83561739	-2.18000000	2.69784372
1797.000	53.25108467	9.17917555	7.83556862	-0.64000000	2.66244124
1797.500	52.37219873	9.13141511	7.83551984	-0.00000000	2.66806903
1798.000	49.95471460	9.10225878	7.83547106	0.06000000	2.69359841
1798.500	49.72978308	9.08996912	7.83542229	0.16000000	2.70230991
1799.000	51.20222856	9.08501223	7.83537351	1.00000000	2.68606167
1799.500	52.33948185	9.08458650	7.83532473	1.88000000	2.67429872
1800.000	52.13609723	9.06362219	7.83527596	1.94329927	2.66939596
1800.500	51.71486208	9.04403600	7.83522718	0.80541434	2.67386952
1801.000	52.57025619	9.04540948	7.83517841	-0.32678282	2.70289235
1801.500	53.55871469	9.04572131	7.83512963	-0.50000000	2.71067136
1802.000	53.51802814	9.04560318	7.83508085	0.06000000	2.70617135
1802.500	53.28845547	9.04628136	7.83503208	0.42000000	2.71599040
1803.000	54.98067999	9.06055258	7.83498330	0.50000000	2.70246537
1803.500	55.84390931	9.06658159	7.83493452	-0.46000000	2.70936735
1804.000	56.23571691	9.08065973	7.83488575	-1.50000000	2.72948791
1804.500	56.44689242	9.08587312	7.83483697	-1.62000000	2.73026503
1805.000	58.66747245	9.08559105	7.83478819	0.78000000	2.68782277
1805.500	61.03834327	9.08548708	7.83473942	1.86000000	2.67145517
1806.000	63.95807712	9.08545794	7.83469064	1.94000000	2.67161316

1806.500	64.31954514	9.08583238	7.83464186	2.18000000	2.66536545
1807.000	62.70835797	9.08693539	7.83459309	2.42000000	2.66188047
1807.500	61.02553930	9.06660309	7.83454431	2.58000000	2.67826676
1808.000	59.11450900	9.06121060	7.83449554	0.50000000	2.69438770
1808.500	56.80360798	9.04774280	7.83444676	1.26000000	2.68562102
1809.000	54.48200173	9.02577311	7.83439798	1.06000000	2.68367664
1809.500	53.28198095	9.01098000	7.83434921	1.62000000	2.67316612
1810.000	52.80854018	9.00566264	7.83430043	2.10000000	2.66551811
1810.500	51.76409727	9.00633877	7.83425165	0.90159241	2.68459181
1811.000	50.21214707	9.02793090	7.83420288	0.38835903	2.69400129
1811.500	49.61079078	9.04133082	7.83415410	-0.55011085	2.70486032
1812.000	47.12449103	9.06676773	7.83410532	-2.45737036	2.73337332
1812.500	43.24258374	9.09864278	7.83405655	-3.77937602	2.76592694
1813.000	42.99027487	9.12504596	7.83400777	-4.50575959	2.77724417
1813.500	47.83883560	9.14310172	7.83395900	-3.78000000	2.76582731
1814.000	52.83933188	9.16416507	7.83391022	-2.30000000	2.73717964
1814.500	53.93298788	9.16523731	7.83386144	-1.74000000	2.73208274
1815.000	54.49481491	9.16639312	7.83381267	-1.00000000	2.71785876
1815.500	55.94389128	9.14573021	7.83376389	-0.46000000	2.70527569
1816.000	56.28973189	9.14544278	7.83371511	0.34000000	2.70110650
1816.500	53.58042210	9.14573021	7.83366634	0.74000000	2.69054221
1817.000	49.42759690	9.16635428	7.83361756	-0.38000000	2.70573779
1817.500	49.07142839	9.16535525	7.83356878	-2.26000000	2.73201130
1818.000	50.86208038	9.16498080	7.83352001	-2.34000000	2.73729076
1818.500	54.93636078	9.16502907	7.83347123	1.84056526	2.70062993
1819.000	58.38822045	9.16518638	7.83342245	5.99599656	2.64311316
1819.500	60.63004869	9.16351040	7.83337368	10.77478805	2.55336703
1820.000	59.79190697	9.18480613	7.83332490	18.05337017	2.39650000
1820.500	57.03352631	9.22111444	7.83327613	26.27882353	2.18775000
1821.000	55.90529912	9.29494046	7.83322735	26.20823529	2.09450000
1821.500	55.93740681	9.96712433	7.83317857	26.13764706	2.11450000
1822.000	54.36057050	11.61493508	7.83312981	26.06705882	2.13450000
1822.500	48.84819899	13.08480916	7.83308104	17.83400000	2.24970000
1823.000	45.22633292	12.15508573	7.83303221	8.68430090	2.47675000
1823.500	45.82399916	9.24226780	7.83297465	1.28135065	2.66540000
1824.000	50.59225481	9.10216062	7.83290192	0.17171937	2.70200000
1824.500	51.19035323	9.08364070	7.83282938	0.82000000	2.69067341
1825.000	51.41944922	9.08437338	7.83275683	0.40000000	2.69053768
1825.500	51.12163482	9.07182032	7.83268429	0.02000000	2.70243907
1826.000	49.63410127	9.04370733	7.83261175	0.06000000	2.70249101
1826.500	49.18358267	9.04446348	7.83253922	-0.34000000	2.70956849
1827.000	50.22951138	9.06498566	7.83246668	-0.70000000	2.71453218
1827.500	50.31513706	9.06544958	7.83239414	-1.16000000	2.72672564
1828.000	55.53542229	9.06562607	7.83232160	-1.24000000	2.72445929
1828.500	59.83266649	9.06542022	7.83224906	-0.80000000	2.71920894
1829.000	62.81924333	9.06689334	7.83217652	-1.40000000	2.72334640
1829.500	63.39798714	9.04447751	7.83210399	-0.30000000	2.71138458
1830.000	61.07530338	9.04575501	7.83203145	-0.06000000	2.70283937
1830.500	56.49740267	9.04510495	7.83195891	0.02000000	2.70090035
1831.000	51.97129200	9.02446711	7.83188637	0.02000000	2.70152951
1831.500	51.73715534	9.02537716	7.83181383	0.02000000	2.70229858
1832.000	55.31867267	9.02646325	7.83174130	-0.02000000	2.70512525
1832.500	59.51956882	9.04089830	7.83166876	-0.46242866	2.71083661
1833.000	62.50303500	9.04649773	7.83159622	-0.94252071	2.72607852
1833.500	66.11400525	9.04089830	7.83152368	-0.62111122	2.73177058
1834.000	68.37936520	9.02639527	7.83145114	-0.26192302	2.72429690
1834.500	69.04746633	9.02587925	7.83137861	0.21540444	2.70221949
1835.000	67.46945851	9.02645128	7.83130607	1.61145790	2.67180976
1835.500	63.87889090	9.04717396	7.83123353	2.90000000	2.65235503
1836.000	61.86793385	9.04645699	7.83116099	3.22000000	2.65402274
1836.500	60.99220905	9.04076519	7.83108845	3.18000000	2.64845352
1837.000	60.61450566	9.02643411	7.83101592	2.82000000	2.65494972
1837.500	60.39586408	9.02572247	7.83094338	2.62000000	2.65727997
1838.000	60.37565701	9.02581146	7.83087084	2.18000000	2.66632830
1838.500	60.06923302	9.02584493	7.83079830	1.86000000	2.67284550
1839.000	60.07975170	9.02574096	7.83072576	1.18000000	2.68064064
1839.500	60.07711791	9.02545889	7.83065323	0.58000000	2.69102613
1840.000	60.38463776	9.03077625	7.83058069	1.89596893	2.69270454

1840.500	59.50491705	9.04513646	7.83050815	1.20606815	2.67843021
1841.000	57.12714038	9.04584811	7.83043561	0.93927215	2.68361634
1841.500	57.48916935	9.04575912	7.83036307	0.74000000	2.68958821
1842.000	58.57365907	9.04572565	7.83029053	1.34000000	2.68624119
1842.500	57.27843219	9.04577391	7.83021800	1.94000000	2.67034595
1843.000	54.26093639	9.04552765	7.83014546	1.30000000	2.68044703
1843.500	54.00497977	9.04325111	7.83007292	0.50000000	2.69018769
1844.000	55.97977146	9.08676972	7.83000038	1.98000000	2.67771659
1844.500	56.17787445	9.10589174	7.82992784	2.34000000	2.66582937
1845.000	57.71019583	9.10478912	7.82985531	2.62000000	2.66143270
1845.500	61.30205443	9.13882442	7.82978277	2.78000000	2.65788745
1846.000	62.39307274	9.18592840	7.82971023	1.62000000	2.67957368
1846.500	62.76331491	9.18560803	7.82963769	0.66659782	2.69522113
1847.000	62.56019433	9.17996904	7.82956515	-0.18163839	2.70492252
1847.500	61.86543643	9.16559912	7.82949262	-1.31300293	2.71916906
1848.000	61.87414914	9.16478351	7.82942008	-3.02000000	2.74990108
1848.500	61.67567539	9.16459042	7.82934754	-2.38000000	2.74980082
1849.000	60.62192647	9.16994126	7.82927500	-2.98000000	2.74868339
1849.500	58.58968128	9.18428474	7.82920246	-2.40144520	2.74253516
1850.000	56.39367271	9.18489005	7.82912993	-1.63193174	2.73321822
1850.500	54.73265547	9.18519158	7.82905739	-1.37243238	2.72951221
1851.000	52.01493272	9.19442912	7.82898485	-1.60000000	2.72299846
1851.500	49.01081536	9.22575892	7.82891231	-1.34000000	2.72449186
1852.000	46.53806567	9.22910358	7.82883977	-1.68000000	2.73103490
1852.500	48.64728694	9.26215823	7.82876723	-2.42000000	2.74566345
1853.000	54.42624715	9.28595043	7.82869470	-4.14000000	2.76620263
1853.500	55.32325589	9.28441887	7.82862216	-2.66000000	2.76767243
1854.000	55.19284027	9.28381499	7.82854962	-1.97588710	2.73819695
1854.500	54.04688330	9.28494352	7.82847708	-2.31673067	2.74143728
1855.000	50.97058629	9.32340500	7.82840454	-2.82063606	2.75003719
1855.500	47.07114623	9.34508058	7.82833201	-3.24053932	2.75917069
1856.000	47.45829247	9.34460508	7.82825947	-4.68651096	2.77873571
1856.500	49.88944812	9.36188610	7.82818693	-3.17481339	2.75737907
1857.000	51.76125819	9.36733444	7.82811439	-1.05019340	2.72050173
1857.500	52.01522261	9.38284003	7.82804185	0.58644348	2.69795879
1858.000	52.47654944	9.38272391	7.82796932	0.72721894	2.69145810
1858.500	53.23174637	9.39348364	7.82789678	-0.80000000	2.71602906
1859.000	54.14451615	9.39537477	7.82782424	-1.66000000	2.73392050
1859.500	55.14445503	9.40293834	7.82775170	-2.04000000	2.73544590
1860.000	55.92016550	9.43499999	7.82767916	-2.22000000	2.74199064
1860.500	56.65364824	9.46302323	7.82760663	-2.58000000	2.74443343
1861.000	57.28899010	9.46335718	7.82753409	-2.10000000	2.73552778
1861.500	59.91808606	9.46313902	7.82746155	-1.30000000	2.72573428
1862.000	64.51759843	9.46331239	7.82738901	-0.34000000	2.70554027
1862.500	69.24366642	9.47335663	7.82731647	0.14000000	2.70351833
1863.000	73.89989127	9.48257993	7.82724393	-1.14000000	2.72365072
1863.500	77.27621262	9.50298211	7.82717140	-1.74922552	2.73330731
1864.000	80.70818668	9.52336755	7.82709886	-2.07040547	2.73409208
1864.500	81.24147343	9.53249437	7.82702632	-0.48360621	2.70234009
1865.000	79.69367797	9.54275339	7.82695378	1.52486948	2.68192123
1865.500	78.85379830	9.55279711	7.82688124	2.61143290	2.66494119
1866.000	79.47587759	9.56253942	7.82680871	3.06527686	2.65315026
1866.500	79.30037053	9.56273747	7.82673617	3.26000000	2.65056570
1867.000	76.95264503	9.56264099	7.82666363	3.42000000	2.64765332
1867.500	74.57468968	9.56262425	7.82659109	4.14000000	2.64175151
1868.000	72.44521405	9.56262425	7.82651855	4.66000000	2.62962786
1868.500	70.34090794	9.56258810	7.82644602	4.02000000	2.63359869
1869.000	68.10965145	9.56260526	7.82637348	4.66000000	2.62833125
1869.500	67.19716313	9.56320177	7.82630094	4.10000000	2.63295294
1870.000	68.27429872	9.58078092	7.82622840	4.06000000	2.63719926
1870.500	72.63761741	9.60223559	7.82615586	6.02000000	2.61379467
1871.000	77.76674436	9.63271707	7.82608333	6.43403840	2.59200577
1871.500	82.85869700	9.70983404	7.82601079	4.73276650	2.61845385
1872.000	87.42813956	9.81187797	7.82593825	6.18686428	2.62907696
1872.500	87.53167429	9.90742319	7.82586571	9.26000000	2.55370477
1873.000	86.80493072	10.01077758	7.82579317	8.70000000	2.55313438
1873.500	84.88332384	10.17475149	7.82572064	11.70000000	2.45842369
1874.000	82.05185037	10.41728301	7.82564810	8.48000000	2.50820616

1874.500	66.77478057	10.28701634	7.82557556	6.34000000	2.58769773
1875.000	60.02164662	10.26149101	7.82550302	8.30000000	2.54449991
1875.500	56.51962913	11.04398098	7.82543048	8.94000000	2.52009581
1876.000	52.21238793	9.79318678	7.82535794	1.98200000	2.67361829
1876.500	48.45150000	9.20505701	7.82528541	-1.18000000	2.72644799
1877.000	45.91102582	9.15963797	7.82521287	-1.78000000	2.73169714
1877.500	45.93999144	9.16451947	7.82514033	-2.18000000	2.73854444
1878.000	48.85437283	9.16320443	7.82506779	-1.66000000	2.72867997
1878.500	50.71525853	9.14576047	7.82499525	0.10000000	2.70457479
1879.000	53.10506969	9.14525960	7.82492272	1.54000000	2.68249892
1879.500	54.09011049	9.14499150	7.82485018	2.82000000	2.66143194
1880.000	54.13326666	9.13518887	7.82477764	2.82000000	2.65552811
1880.500	54.71856983	9.12535008	7.82470510	1.46000000	2.68047456
1881.000	55.78843819	9.12513529	7.82463256	1.30000000	2.68088361
1881.500	55.44483887	9.12523177	7.82456003	0.82000000	2.69080710
1882.000	55.76188368	9.12528938	7.82448749	0.90000000	2.68686632
1882.500	57.14104449	9.12528214	7.82441495	0.46000000	2.69647120
1883.000	57.51734482	9.12383128	7.82434241	0.14000000	2.68056817
1883.500	59.46266760	9.13551244	7.82426987	2.26000000	2.66544508
1884.000	61.55150259	9.12519536	7.82419734	2.46000000	2.66261662
1884.500	62.67913440	9.12522095	7.82412480	1.50000000	2.67758961
1885.000	63.06798256	9.12476453	7.82405226	1.03950938	2.68256924
1885.500	63.06668488	9.11708490	7.82397972	1.52035270	2.67546551
1886.000	61.73207458	9.12458620	7.82390718	1.87914569	2.66913599
1886.500	60.20863944	9.12523686	7.82383464	0.96000000	2.68327785
1887.000	59.67263383	9.13582279	7.82376211	1.00000000	2.68381617
1887.500	60.68217296	9.16310503	7.82368957	2.00000000	2.67404433
1888.000	61.40204546	9.16566029	7.82361703	1.12000000	2.68265159
1888.500	62.03088614	9.16474052	7.82354449	1.74000000	2.67025484
1889.000	63.66009348	9.18620631	7.82347195	2.26000000	2.66506296
1889.500	65.56074161	9.18497024	7.82339942	2.14000000	2.66687387
1890.000	67.15840001	9.18482911	7.82332688	1.78000000	2.67052788
1890.500	69.61119873	9.18454912	7.82325434	1.68000000	2.67763375
1891.000	74.63206705	9.18658365	7.82318180	2.56000000	2.65813041
1891.500	83.06751079	9.20286634	7.82310926	3.48000000	2.63912207
1892.000	87.38947083	9.22508934	7.82303673	4.40000000	2.62887128
1892.500	90.87456029	9.24090803	7.82296419	4.72000000	2.62636362
1893.000	92.89918338	9.24454400	7.82289165	5.50000000	2.61236533
1893.500	93.69901446	9.24464898	7.82281911	4.88000000	2.61090683
1894.000	90.72359063	9.25394161	7.82274657	4.18500000	2.63365923
1894.500	80.78995239	9.26642901	7.82267404	3.78000000	2.64061880
1895.000	71.70450739	9.26259657	7.82260150	3.46000000	2.64141555
1895.500	59.69563029	9.26433352	7.82252896	2.88000000	2.65814969
1896.000	51.38307862	9.26447381	7.82245642	2.37969447	2.66295390
1896.500	42.36598494	9.26441352	7.82238388	2.54043056	2.66523717
1897.000	38.42909458	9.26443026	7.82231135	1.75687907	2.67257145
1897.500	36.95228408	9.26450260	7.82223881	1.34000000	2.67883856
1898.000	35.66385540	9.26439153	7.82216627	1.10000000	2.68247068
1898.500	35.48002765	9.25578882	7.82209373	1.48000000	2.68692787
1899.000	35.94940428	9.22443009	7.82202119	0.60000000	2.69456671
1899.500	35.93417520	9.22471033	7.82194865	0.58000000	2.69405847
1900.000	35.78312423	9.22462550	7.82187612	0.86000000	2.68979456
1900.500	35.63602494	9.22465209	7.82180358	1.10000000	2.68645428
1901.000	36.19891866	9.22465209	7.82173104	1.26000000	2.68575288
1901.500	38.64051015	9.22454812	7.82165850	1.66000000	2.67427187
1902.000	45.18973288	9.22420092	7.82158596	1.85433259	2.67250452
1902.500	49.18783178	9.22904059	7.82151343	1.71218940	2.67527175
1903.000	52.29629764	9.24823511	7.82144089	1.53023294	2.67463383
1903.500	52.35739607	9.24272174	7.82136835	1.94641412	2.66789618
1904.000	51.45246138	9.24434344	7.82129581	2.25309085	2.66747784
1904.500	49.53415713	9.24462889	7.82122327	2.30346464	2.66541650
1905.000	48.41789480	9.24468440	7.82115074	2.34000000	2.66435798
1905.500	48.66094662	9.24356918	7.82107820	2.02000000	2.66946902
1906.000	51.27310359	9.22848040	7.82100566	1.30000000	2.68485124
1906.500	54.83518199	9.24443176	7.82093312	0.86000000	2.68114185
1907.000	55.04556689	9.22984002	7.82086058	2.02000000	2.66900677
1907.500	54.34253067	9.24472842	7.82078805	2.30000000	2.66235871
1908.000	54.13272548	9.25956582	7.82071551	1.70000000	2.67425560

1908.500	54.14295572	9.26483303	7.82064297	0.61988477	2.69896155
1909.000	53.53342324	9.26455799	7.82057043	-0.61905785	2.71268273
1909.500	52.00148435	9.26459977	7.82049789	-0.71444254	2.71029720
1910.000	51.78568305	9.26291858	7.82042535	0.18000000	2.70154906
1910.500	53.48625693	9.27374158	7.82035282	1.22000000	2.68673830
1911.000	55.84621082	9.26445402	7.82028028	0.76000000	2.69189727
1911.500	56.26465544	9.26308561	7.82020774	1.44101374	2.68025680
1912.000	58.22298846	9.28556644	7.82013520	1.67868519	2.67700010
1912.500	60.43330546	9.28400412	7.82006266	2.62010917	2.65700464
1913.000	65.68640709	9.28388906	7.81999013	3.66000000	2.63986002
1913.500	72.78850307	9.28922555	7.81991759	3.98000000	2.64038440
1914.000	76.69191537	9.30358577	7.81984505	2.44000000	2.65806999
1914.500	75.44904277	9.30440138	7.81977251	1.68000000	2.67106186
1915.000	64.26456892	9.30459447	7.81969997	0.72000000	2.68349494
1915.500	60.77181889	9.29924363	7.81962744	-0.22000000	2.70230600
1916.000	58.46525257	9.28488342	7.81955490	-0.30000000	2.70391442
1916.500	56.55995288	9.28417177	7.81948236	1.58000000	2.67796641
1917.000	53.02976610	9.28426076	7.81940982	1.56000000	2.67456828
1917.500	49.05593902	9.28429423	7.81933728	2.20000000	2.67110164
1918.000	45.50174017	9.28429423	7.81926475	2.78000000	2.65774467
1918.500	43.34514720	9.28429423	7.81919221	2.86000000	2.65551067
1919.000	44.87556130	9.28429960	7.81911967	2.06000000	2.65966255
1919.500	47.88045931	9.28401499	7.81904713	0.96000000	2.68428603
1920.000	51.02830103	9.28424359	7.81897459	1.66000000	2.68048262
1920.500	53.23457678	9.27801857	7.81890206	1.22409012	2.68345875
1921.000	51.95158277	9.28431584	7.81882952	1.30174363	2.68201322
1921.500	47.54004961	9.28420236	7.81875698	1.87966184	2.67387133
1922.000	46.36936119	9.28573799	7.81868444	0.91864368	2.68543328
1922.500	46.68020234	9.26376637	7.81861190	0.70014007	2.69347496
1923.000	47.21792139	9.28589270	7.81853936	0.57768219	2.69356550
1923.500	47.00918672	9.28419006	7.81846683	0.63962274	2.69198607
1924.000	45.41255933	9.28240339	7.81839429	1.32317786	2.68313921
1924.500	43.61989096	9.28169174	7.81832175	0.77932513	2.68486286
1925.000	41.27017451	9.26914922	7.81824921	0.69605848	2.69076296
1925.500	40.63116217	9.26559658	7.81817667	0.65643123	2.69147987
1926.000	41.57479107	9.24562648	7.81810414	1.62096640	2.68794708
1926.500	43.62323486	9.26559895	7.81803160	3.47712683	2.65577623
1927.000	47.97385162	9.26446988	7.81795906	5.13000000	2.62975145
1927.500	51.33109043	9.34505687	7.81788652	4.64000000	2.62492882
1928.000	52.96736943	9.45452867	7.81781398	7.10000000	2.62648420
1928.500	53.44139772	9.78396354	7.81774145	12.52000000	2.48276990
1929.000	54.27990034	9.93433164	7.81766891	19.51000000	2.38150429
1929.500	55.32866698	10.27660311	7.81759637	-999.25000000	2.27447066
1930.000	55.09056149	10.66727246	7.81752383	-999.25000000	-999.25000000
1930.500	54.77935043	10.87850401	7.81745129	-999.25000000	-999.25000000
1931.000	57.29974511	11.97842713	7.81737876	-999.25000000	-999.25000000
1931.500	60.21122287	12.86386986	7.81730622	-999.25000000	-999.25000000
1932.000	61.33430787	13.21353580	7.81723368	-999.25000000	-999.25000000
1932.500	58.98999836	13.51742010	7.81716114	-999.25000000	2.11836080
1933.000	53.66802791	13.52668859	7.81708860	15.10933333	2.46728737
1933.500	49.61294073	9.46429669	7.81701606	2.46000000	2.66197372
1934.000	47.59710567	9.37311349	7.81694353	1.83800000	2.67516346
1934.500	46.94341749	9.36032287	7.81687099	1.89320000	2.66376401
1935.000	46.95535351	9.36334663	7.81679845	2.54000000	2.66141142
1935.500	47.03310648	9.34586182	7.81672591	2.10000000	2.66823187
1936.000	48.40641409	9.34356708	7.81665337	3.42000000	2.64690008
1936.500	51.76289895	9.34394563	7.81658084	3.38000000	2.64725262
1937.000	54.95154676	9.34379597	7.81650830	2.74000000	2.65660677
1937.500	58.60436497	9.33415280	7.81643576	2.50000000	2.65952802
1938.000	62.57346590	9.32479706	7.81636322	2.38000000	2.66014177
1938.500	67.82555996	9.34512867	7.81629068	3.26000000	2.65822550
1939.000	72.64952121	9.34445087	7.81621815	4.26000000	2.64183194
1939.500	73.15785351	9.34420177	7.81614561	4.42000000	2.62912067
1940.000	70.70670414	9.36381710	7.81607307	3.50000000	2.63955852
1940.500	64.03137106	9.38340329	7.81600053	2.18000000	2.65962543
1941.000	52.21262968	9.38351190	7.81592799	1.02000000	2.68098905
1941.500	48.75022602	9.38377013	7.81585546	-0.46000000	2.71082297
1942.000	46.42950096	9.38378144	7.81578292	-0.72000000	2.71513447

1942.500	44.80939210	9.38326541	7.81571038	0.25994434	2.70363507
1943.000	43.57071720	9.36942172	7.81563784	1.44117795	2.68708011
1943.500	43.40366422	9.38477858	7.81556530	2.38118745	2.66655864
1944.000	45.85060039	9.38334997	7.81549277	2.56000000	2.66245173
1944.500	47.06141356	9.36871928	7.81542023	2.12000000	2.66850474
1945.000	46.50346395	9.36343106	7.81534769	2.02000000	2.66372105
1945.500	45.16792950	9.36371313	7.81527515	3.02000000	2.65119864
1946.000	46.31820373	9.36383623	7.81520261	7.59000000	2.59381633
1946.500	47.84536035	9.36387956	7.81513007	12.69000000	2.49630245
1947.000	47.19714935	9.36118681	7.81505754	17.79000000	2.39143750
1947.500	46.43452472	9.38469962	7.81498500	23.70000000	2.30925000
1948.000	48.32674747	9.45358335	7.81491246	-999.25000000	2.23980000
1948.500	48.74795664	10.13245392	7.81483992	-999.25000000	2.14177972
1949.000	49.64658126	11.28370272	7.81476738	-999.25000000	2.15610779
1949.500	52.04881274	11.46368219	7.81469485	-999.25000000	2.16887088
1950.000	56.95292952	12.04432438	7.81462231	-999.25000000	2.14637075
1950.500	63.58125540	11.97434577	7.81454977	17.45000000	2.32098942
1951.000	65.40640455	10.82647207	7.81447723	10.15000000	2.49005394
1951.500	64.69147034	9.88314614	7.81440469	6.37520392	2.61280627
1952.000	59.64017011	9.30869737	7.81433216	3.78419821	2.65281686
1952.500	54.01309556	9.22277973	7.81425962	1.95300215	2.67165992
1953.000	51.16588866	9.20429149	7.81418708	0.69401691	2.68904164
1953.500	50.82795243	9.20654115	7.81411454	0.11381533	2.70051098
1954.000	50.50928041	9.18683599	7.81404200	0.77807544	2.69808340
1954.500	51.79637757	9.16580655	7.81396947	2.06451359	2.66828756
1955.000	54.66702939	9.16512788	7.81389693	1.98000000	2.66990101
1955.500	55.30640167	9.16497110	7.81382439	2.48000000	2.66352852
1956.000	52.27176348	9.16500994	7.81375185	1.96000000	2.66265421
1956.500	47.52168070	9.16500994	7.81367931	1.42000000	2.68012364
1957.000	44.87008013	9.16504341	7.81360677	1.46000000	2.68052733
1957.500	43.63800752	9.16513240	7.81353424	2.10000000	2.66843109
1958.000	43.43632503	9.16442076	7.81346170	2.26000000	2.66458931
1958.500	43.76699942	9.15006054	7.81338916	2.36000000	2.66448630
1959.000	44.76816316	9.14474318	7.81331662	2.68000000	2.66090406
1959.500	46.67039360	9.14502526	7.81324412	2.88086563	2.65760076
1960.000	51.90047891	9.14512922	7.81317213	2.90162321	2.65380565
1960.500	56.60052031	9.14515836	7.81309182	2.40072084	2.65999027
1961.000	57.65082007	9.14476479	7.81299457	1.94000000	2.66841529
1961.500	58.29197545	9.14359874	7.81289728	1.94000000	2.67248477
1962.000	60.07113608	9.16565709	7.81280018	1.32000000	2.67463204
1962.500	60.10886049	9.14368547	7.81270309	1.34000000	2.68034202
1963.000	59.46364039	9.14535421	7.81260599	2.86000000	2.65932559
1963.500	58.89544050	9.14514835	7.81250889	2.60000000	2.65539999
1964.000	59.09471420	9.14512922	7.81241180	2.36000000	2.66559493
1964.500	59.87319352	9.14516270	7.81231470	2.82000000	2.65913649
1965.000	60.75479032	9.14525169	7.81221760	3.26000000	2.64901730
1965.500	60.08284550	9.14454004	7.81212051	1.38000000	2.67578454
1966.000	54.93683874	9.13017983	7.81202341	1.38000000	2.67950740
1966.500	53.55304704	9.12485813	7.81192631	1.80000000	2.67363392
1967.000	56.80681123	9.12467677	7.81182922	1.65961281	2.67387948
1967.500	62.71429628	9.12452249	7.81173212	2.09278066	2.67150424
1968.000	64.14485259	9.15909349	7.81163503	2.20159858	2.66658123
1968.500	60.52142587	9.16389486	7.81153793	1.82000000	2.67424781
1969.000	57.16470804	9.18439364	7.81144083	2.02000000	2.67202338
1969.500	55.88949476	9.18470040	7.81134374	2.22000000	2.66609695
1970.000	55.28632321	9.18480703	7.81124664	1.78955224	2.66770854
1970.500	56.15155917	9.18547984	7.81114954	0.86000000	2.68343616
1971.000	59.27417707	9.19984005	7.81105245	0.70000000	2.68928520
1971.500	59.22440933	9.20515741	7.81095535	1.14000000	2.68475653
1972.000	56.60393929	9.20484620	7.81085825	1.74000000	2.68025182
1972.500	53.41041052	9.20511668	7.81076116	0.86000000	2.68649987
1973.000	51.02542905	9.20611572	7.81066406	0.82000000	2.68969741
1973.500	49.64806205	9.18553048	7.81056697	1.46000000	2.68127765
1974.000	49.86792509	9.18504744	7.81046987	1.14000000	2.68171923
1974.500	53.22208830	9.18485182	7.81037277	1.10000000	2.68963788
1975.000	56.58952219	9.18489066	7.81027568	3.34000000	2.65969947
1975.500	58.92961515	9.18489066	7.81017858	2.82000000	2.65179073
1976.000	59.12448969	9.18489066	7.81008148	3.58000000	2.64839111

1976.500	60.05426625	9.18489066	7.80998439	4.34000000	2.63871012
1977.000	61.89377028	9.18487153	7.80988729	3.46000000	2.64433489
1977.500	64.17557237	9.18470451	7.80979020	3.38000000	2.64531972
1978.000	65.47681785	9.18607366	7.80969310	4.22000000	2.64119624
1978.500	64.58283413	9.16333692	7.80959600	3.18000000	2.64858008
1979.000	63.09108217	9.17017088	7.80949891	2.58000000	2.65936986
1979.500	61.50874640	9.18391162	7.80940181	1.30000000	2.67470281
1980.000	61.33630713	9.18436657	7.80930471	1.38000000	2.68035872
1980.500	62.51224244	9.16800909	7.80920762	2.50000000	2.66154292
1981.000	61.33506524	9.16481004	7.80911052	2.54000000	2.66081868
1981.500	57.75396331	9.16560377	7.80901342	2.54000000	2.66251910
1982.000	57.47123363	9.18623500	7.80891633	2.54000000	2.66179530
1982.500	61.64016132	9.18513199	7.80881923	2.73994926	2.65881642
1983.000	63.57411913	9.18447548	7.80872214	3.09877295	2.65540774
1983.500	64.27843855	9.18982197	7.80862504	3.21232690	2.65258806
1984.000	63.70518998	9.20414335	7.80852794	2.30000000	2.66039705
1984.500	62.48697284	9.20505061	7.80843085	1.37200000	2.67761308
1985.000	63.02107422	9.20544467	7.80833375	0.58000000	2.69231758
1985.500	63.91481015	9.22597730	7.80823665	1.94000000	2.67558015
1986.000	63.96496946	9.22481125	7.80813956	2.31876849	2.66511137
1986.500	63.73466701	9.22590992	7.80804246	2.94389422	2.65831196
1987.000	63.36262814	9.20348440	7.80794536	2.86540152	2.65569332
1987.500	62.79138502	9.20495752	7.80784827	3.62000000	2.65037337
1988.000	61.14721537	9.20479050	7.80775117	4.06000000	2.64610621
1988.500	60.36104610	9.20477137	7.80765408	2.70000000	2.65847456
1989.000	60.08978874	9.20473253	7.80755698	2.74000000	2.65472977
1989.500	59.18018312	9.20492815	7.80745988	3.66000000	2.64236108
1990.000	56.81253875	9.20541120	7.80736279	3.66910000	2.64231554
1990.500	57.03353364	9.22595759	7.80726569	2.90000000	2.65564196
1991.000	58.31406314	9.22515417	7.80716859	2.50000000	2.66452184
1991.500	59.98485979	9.22526278	7.80707150	1.82000000	2.67242722
1992.000	62.72886065	9.24588716	7.80697440	1.77971412	2.67636576
1992.500	64.04861495	9.24430782	7.80687730	2.21386128	2.66287780
1993.000	64.26875734	9.24460307	7.80678021	2.86517465	2.65286960
1993.500	63.74566513	9.24324583	7.80668311	3.30000000	2.64825836
1994.000	62.96401135	9.26578723	7.80658602	3.26000000	2.65177044
1994.500	61.98877730	9.26483592	7.80648892	1.82000000	2.66884925
1995.000	60.98901076	9.26457052	7.80639182	1.54000000	2.67361231
1995.500	59.28025578	9.26312655	7.80629473	3.46000000	2.64904387
1996.000	57.97736413	9.28543840	7.80619763	3.42000000	2.64724603
1996.500	57.32452568	9.28387883	7.80610053	3.15215875	2.65086448
1997.000	56.87853478	9.28984625	7.80600344	2.49079446	2.66103650
1997.500	56.77791797	9.32481083	7.80590634	2.50131119	2.66148076
1998.000	57.10719541	9.32454256	7.80580925	1.94933333	2.67235756
1998.500	58.30163903	9.32424615	7.80571215	1.26000000	2.68250643
1999.000	59.41759141	9.32276869	7.80561505	0.86000000	2.68843503
1999.500	60.76775409	9.34522336	7.80551796	0.81726135	2.69159015
2000.000	63.46664806	9.34378908	7.80542086	1.37512337	2.68401723
2000.500	64.91919872	9.34374134	7.80532376	1.98945757	2.67234926
2001.000	63.85229457	9.34311041	7.80522667	2.46000000	2.66329912
2001.500	60.26976104	9.32399830	7.80512957	1.92400000	2.66648557
2002.000	56.33519489	9.30254267	7.80503247	1.70000000	2.67707493
2002.500	55.23503664	9.30437110	7.80493538	1.98000000	2.67308181
2003.000	54.74757021	9.30400794	7.80483828	1.50004145	2.67917647
2003.500	56.15527136	9.30546192	7.80474119	1.37890317	2.67951927
2004.000	59.23212631	9.28300726	7.80464409	1.53076732	2.67881322
2004.500	61.97649985	9.28448038	7.80454699	1.90000000	2.67366964
2005.000	63.75124856	9.28427453	7.80444990	3.50000000	2.65316626
2005.500	64.28915266	9.28445101	7.80435280	4.82000000	2.62731770
2006.000	62.99032856	9.28493406	7.80425570	4.94000000	2.62528786
2006.500	61.15356605	9.30551929	7.80415861	3.38000000	2.65335906
2007.000	61.62915456	9.30462422	7.80406151	2.74000000	2.65933722
2007.500	62.84647844	9.30453185	7.80396441	2.62000000	2.65952125
2008.000	63.46108363	9.29924363	7.80386732	2.78000000	2.65956942
2008.500	63.56857362	9.28488342	7.80377022	3.10000000	2.65434174
2009.000	62.89416406	9.28417177	7.80367313	3.06000000	2.65288796
2009.500	61.20871540	9.28426076	7.80357603	2.50000000	2.66223228
2010.000	58.60135181	9.28419027	7.80347893	1.52000000	2.67797621

2010.500	55.96457681	9.28390819	7.80338184	0.72000000	2.69130825
2011.000	54.62587704	9.28924468	7.80328474	0.28000000	2.69751386
2011.500	53.94187947	9.30377191	7.80318764	-0.58000000	2.71813500
2012.000	50.36160648	9.30301044	7.80309055	-1.68000000	2.73369036
2012.500	43.00776693	9.32537611	7.80299345	-2.10000000	2.73564358
2013.000	42.99384532	9.32386952	7.80289635	-2.98000000	2.75660613
2013.500	43.66411946	9.32403654	7.80279926	-4.22000000	2.77360440
2014.000	44.95394087	9.32413050	7.80270216	-4.24000000	2.77269740
2014.500	46.37899174	9.32478701	7.80260507	-2.96000000	2.73500573
2015.000	47.55985735	9.32046869	7.80250797	-1.34000000	2.72222645
2015.500	49.94738742	9.28552325	7.80241087	0.92000000	2.68905641
2016.000	52.78713736	9.28434768	7.80231378	1.28000000	2.68165386
2016.500	54.59236485	9.28440806	7.80221668	2.04000000	2.66713182
2017.000	51.75297037	9.28300726	7.80211958	3.06000000	2.65297630
2017.500	48.76131703	9.30546192	7.80202249	3.28000000	2.64950957
2018.000	46.92278034	9.30402765	7.80192539	2.02000000	2.67341649
2018.500	49.04765814	9.30399904	7.80182830	-0.14668824	2.70502567
2019.000	49.25173466	9.30353512	7.80173120	-0.28887266	2.70437514
2019.500	50.83194151	9.28294989	7.80163410	0.53721000	2.69184922
2020.000	49.92107010	9.28394893	7.80153701	1.41044776	2.67985234
2020.500	47.79894204	9.28428990	7.80143991	1.62000000	2.67842806
2021.000	47.75905652	9.28417177	7.80134281	1.42000000	2.68051482
2021.500	48.54596911	9.28488342	7.80124572	1.54000000	2.68056096
2022.000	48.60193091	9.29924363	7.80114862	1.26000000	2.68356777
2022.500	48.43727569	9.30456099	7.80105152	0.70000000	2.68918777
2023.000	49.08582747	9.30427892	7.80095443	0.09623281	2.69881726
2023.500	47.79939836	9.30417495	7.80085733	-0.57719986	2.71488212
2024.000	45.23477852	9.30417495	7.80076024	-1.35052486	2.72157634
2024.500	43.17744901	9.30417495	7.80066314	-2.36335655	2.74101046
2025.000	41.24707131	9.30417495	7.80056604	-2.44466421	2.74279243
2025.500	41.19541826	9.30421379	7.80046895	-1.22442311	2.72256016
2026.000	42.44936102	9.30404731	7.80037185	-1.92466667	2.74069935
2026.500	44.54898767	9.30318982	7.80027475	-3.44560000	2.75425961
2027.000	47.03201531	9.28160555	7.80017766	-5.62000000	2.79323917
2027.500	50.16222952	9.30318982	7.80008056	-5.02000000	2.77390849
2028.000	50.87833033	9.30404731	7.79998346	-3.34266667	2.74624252
2028.500	50.50347056	9.30424726	7.79988637	-0.94000000	2.72424928
2029.000	48.98867787	9.30429567	7.79978927	-0.06217159	2.70102284
2029.500	47.55201038	9.30357220	7.79969218	1.38821943	2.67506577
2030.000	47.33368686	9.28922054	7.79959508	2.61287704	2.65714388
2030.500	48.99000700	9.28485073	7.79949798	3.41829948	2.65116186
2031.000	52.41048014	9.29078232	7.79940089	2.90698787	2.65575909
2031.500	55.72733616	9.29646019	7.79930379	2.70500926	2.65645029
2032.000	57.88925055	9.30207695	7.79920669	1.81241516	2.67331392
2032.500	58.01146165	9.30414461	7.79910960	1.02000000	2.68608173
2033.000	56.82043535	9.30418086	7.79901250	1.18000000	2.68445326
2033.500	56.20081191	9.30417884	7.79891541	0.98000000	2.68840459
2034.000	56.44304994	9.30417495	7.79881831	0.70000000	2.69169235
2034.500	56.51913967	9.30417495	7.79872121	1.50000000	2.67968836
2035.000	55.42881551	9.30417495	7.79862412	1.62000000	2.68025076
2035.500	54.33796803	9.30420409	7.79852702	0.65808360	2.69072295
2036.000	54.13560022	9.30382965	7.79842992	1.88213593	2.68321170
2036.500	53.86218929	9.30283061	7.79833283	2.71938541	2.66210998
2037.000	52.27638046	9.32341584	7.79823573	1.73899711	2.67031219
2037.500	50.99438708	9.32389889	7.79813863	1.16862907	2.68169465
2038.000	50.20432086	9.32406103	7.79804154	1.21875441	2.67908623
2038.500	47.29004410	9.32400370	7.79794444	1.50935290	2.68995221
2039.000	46.04128108	9.32492974	7.79784735	-0.56000000	2.71397856
2039.500	47.90496195	9.33464516	7.79775025	-1.94000000	2.73242372
2040.000	49.28087254	9.33914804	7.79765315	-2.46000000	2.74635470
2040.500	49.63829176	9.33042016	7.79755606	-0.86000000	2.72800981
2041.000	50.53341042	9.34334271	7.79745896	-0.58000000	2.71466121
2041.500	51.51154281	9.33775398	7.79736186	-1.08425833	2.72042673
2042.000	52.61736794	9.34391488	7.79726477	-0.54860564	2.71362579
2042.500	54.43275750	9.34318937	7.79716767	-1.85474455	2.72623127
2043.000	56.12634986	9.34318659	7.79707057	-2.46000000	2.74431537
2043.500	56.82636496	9.37810754	7.79697348	-1.30000000	2.72828961
2044.000	56.40960416	9.38374093	7.79687638	-0.66000000	2.71854434

2044.500	56.17378739	9.38512326	7.79677929	0.42000000	2.69638132
2045.000	58.50759866	9.36202352	7.79668219	-0.06000000	2.69957750
2045.500	62.79061050	9.36340486	7.79658509	0.78000000	2.68659414
2046.000	65.42942078	9.39877464	7.79648800	1.30000000	2.67931253
2046.500	65.14836862	9.42602410	7.79639090	1.94000000	2.66404743
2047.000	62.41978042	9.42027970	7.79629380	4.78000000	2.62715233
2047.500	58.86989349	9.36442779	7.79619671	5.06000000	2.62180539
2048.000	55.83669409	9.32936189	7.79609961	3.14000000	2.65134305
2048.500	56.18937559	9.32387938	7.79600251	2.46000000	2.66449323
2049.000	58.62915843	9.31839772	7.79590542	1.82000000	2.67090735
2049.500	60.64429400	9.28971077	7.79580832	0.70000000	2.69366528
2050.000	61.01109823	9.28339969	7.79571123	0.18000000	2.69924244
2050.500	60.74768104	9.28910724	7.79561413	0.90000000	2.69093177
2051.000	60.35190442	9.30377191	7.79551703	1.14000000	2.68337461
2051.500	60.06709994	9.30301044	7.79541994	1.10000000	2.68357807
2052.000	59.72452795	9.32537611	7.79532284	0.11499706	2.69490672
2052.500	58.05575930	9.32390300	7.79522574	0.81577399	2.69702685
2053.000	53.94021036	9.32413714	7.79512865	1.54672516	2.67899004
2053.500	50.59904242	9.32338041	7.79503155	1.06311967	2.68173700
2054.000	50.23695973	9.30973489	7.79493446	0.82000000	2.68879005
2054.500	50.24043446	9.32402513	7.79483736	1.94000000	2.67238750
2055.000	49.26338673	9.32388799	7.79474026	3.44000000	2.65623961
2055.500	50.10744962	9.32476286	7.79464317	3.70000000	2.63970037
2056.000	53.91718366	9.33816187	7.79454607	2.90000000	2.64545784
2056.500	57.87743973	9.32414941	7.79444897	1.70000000	2.67271371
2057.000	58.82768115	9.32413713	7.79435188	2.18600000	2.66671469
2057.500	58.98467258	9.32404774	7.79425478	2.86000000	2.65662028
2058.000	59.50011534	9.32405567	7.79415768	2.30000000	2.66331412
2058.500	60.32413588	9.32405567	7.79406059	3.46000000	2.64859240
2059.000	63.10877779	9.32405567	7.79396349	3.46000000	2.64845827
2059.500	68.58430734	9.32405567	7.79386640	3.10000000	2.65053944
2060.000	71.39478639	9.32419847	7.79376930	3.42000000	2.64619259
2060.500	74.88415321	9.32428493	7.79367220	3.98000000	2.64179764
2061.000	76.15051834	9.31848452	7.79357511	4.62000000	2.63537377
2061.500	75.92757081	9.28367652	7.79347790	5.70000000	2.60803855
2062.000	74.05773336	9.28436845	7.79338113	5.78000000	2.60843028
2062.500	70.28244563	9.27889186	7.79328304	4.57428571	2.62624401
2063.000	65.73999983	9.24942528	7.79329514	3.18000000	2.64873826
2063.500	63.26427487	9.22923168	7.79339065	3.90000000	2.64842136
2064.000	63.22684577	9.22476843	7.79348723	4.86000000	2.62451570
2064.500	66.16118554	9.24577318	7.79358400	4.30000000	2.63030965
2065.000	65.74361261	9.24484463	7.79368062	4.04000000	2.63675478
2065.500	61.70325508	9.24438120	7.79377725	3.82000000	2.63743040
2066.000	60.07001201	9.24522595	7.79387387	4.10000000	2.63334482
2066.500	59.47879793	9.25986824	7.79397049	3.05200000	2.65839123
2067.000	58.68944214	9.25986824	7.79406711	2.42000000	2.66142356
2067.500	56.88252714	9.24522595	7.79416374	2.38000000	2.66254648
2068.000	59.74634240	9.24441034	7.79426036	2.05036305	2.67016639
2068.500	63.33688708	9.24449933	7.79435698	1.73622178	2.67487821
2069.000	65.70634080	9.24453280	7.79445361	2.70096148	2.66323639
2069.500	67.79673898	9.24453280	7.79455023	2.37863577	2.66301470
2070.000	66.93269274	9.24453280	7.79464685	1.97767557	2.67152165
2070.500	60.74267661	9.24453280	7.79474348	2.89936559	2.65456420
2071.000	55.23293113	9.24453280	7.79484010	3.16000000	2.65146544
2071.500	52.83385010	9.24453280	7.79493672	3.48000000	2.64807271
2072.000	55.08494387	9.24456628	7.79503335	3.86000000	2.63971906
2072.500	63.48161473	9.24468874	7.79512997	2.91000000	2.65563953
2073.000	64.26733331	9.24406608	7.79522659	1.46000000	2.67685434
2073.500	62.70763321	9.22899422	7.79532322	1.10000000	2.68239841
2074.000	61.83704206	9.20931665	7.79541984	-0.76000000	2.69682167
2074.500	63.97788454	9.20428136	7.79551646	0.30000000	2.70756788
2075.000	65.19346503	9.20466740	7.79561309	1.18000000	2.68425289
2075.500	64.06978509	9.20477137	7.79570971	1.32000000	2.68188457
2076.000	61.60886018	9.20477137	7.79580633	1.02000000	2.68544465
2076.500	56.13253720	9.20477137	7.79590295	1.06000000	2.68108039
2077.000	54.32053176	9.20477137	7.79599958	1.97883454	2.67005497
2077.500	54.35922918	9.20473790	7.79609620	2.82445530	2.65158853
2078.000	56.97700008	9.20464891	7.79619282	4.76484766	2.62236615

2078.500	60.45674385	9.20536056	7.79628945	5.08514682	2.61903639
2079.000	62.83452804	9.21972077	7.79638607	3.44000000	2.64841815
2079.500	64.28088275	9.22507160	7.79648269	2.40000000	2.66310040
2080.000	64.51317029	9.22483968	7.79657932	3.12000000	2.65711362
2080.500	63.45676767	9.22421968	7.79667594	2.62000000	2.65845518
2081.000	63.00145874	9.21034252	7.79677256	4.32000000	2.63947707
2081.500	64.62151288	9.22561039	7.79686919	3.68000000	2.63999178
2082.000	67.21765559	9.22489342	7.79696581	3.80000000	2.64148167
2082.500	68.84001549	9.22462295	7.79706243	3.94000000	2.64246135
2083.000	68.98143444	9.22465209	7.79715906	3.32000000	2.64846977
2083.500	67.26186624	9.22461861	7.79725568	2.70000000	2.65787089
2084.000	66.57293667	9.22452962	7.79735230	2.62000000	2.65954921
2084.500	68.45659013	9.22520780	7.79744892	2.46000000	2.66000123
2085.000	66.95919039	9.23947902	7.79754555	2.10000000	2.66861188
2085.500	65.11406017	9.24550803	7.79764217	3.30000000	2.64944196
2086.000	66.42437672	9.25958617	7.79773879	2.22000000	2.65103898
2086.500	67.87210428	9.26479956	7.79783542	1.36000000	2.67592049
2087.000	68.16708757	9.26449836	7.79793204	2.06000000	2.66878429
2087.500	67.92438510	9.26422738	7.79802866	2.30000000	2.66707872
2088.000	66.65140181	9.26568136	7.79812529	2.66000000	2.65602741
2088.500	65.13799354	9.24305969	7.79822191	3.46000000	2.64589045
2089.000	68.77013442	9.24590195	7.79831853	3.12000000	2.64872016
2089.500	72.61180773	9.22299820	7.79841516	2.48000000	2.65900019
2090.000	72.04354908	9.22975042	7.79851178	2.50000000	2.66134267
2090.500	67.22731450	9.24377661	7.79860840	2.26000000	2.66280550
2091.000	60.44187686	9.24594224	7.79870503	1.74000000	2.67117899
2091.500	55.97813757	9.22341772	7.79880165	1.34000000	2.68233849
2092.000	55.08348601	9.22502437	7.79889827	1.78000000	2.67619954
2092.500	58.28147819	9.22338424	7.79899489	2.10000000	2.66932635
2093.000	62.06532756	9.24584891	7.79909152	1.70000000	2.67321467
2093.500	66.59261353	9.24389739	7.79918814	1.02000000	2.68546353
2094.000	66.63283661	9.24278329	7.79928476	0.94000000	2.68581347
2094.500	64.65930889	9.26860104	7.79938139	1.89100911	2.67432934
2095.000	60.75799237	9.28316223	7.79947801	2.46333672	2.66374271
2095.500	57.42743347	9.28938686	7.79957463	2.06799951	2.66641466
2096.000	57.37939415	9.30363837	7.79967126	2.38000000	2.66038337
2096.500	58.28570858	9.30451270	7.79976788	2.78000000	2.65475351
2097.000	60.34825619	9.30257615	7.79986450	2.98000000	2.65917254
2097.500	63.35237872	9.32399830	7.79996113	2.02000000	2.67026257
2098.000	65.78502959	9.34311041	7.80005775	2.42000000	2.66387685
2098.500	66.36065921	9.34365650	7.80015437	4.02000000	2.64698053
2099.000	65.79728483	9.34358918	7.80025100	4.38000000	2.63777818
2099.500	64.47327732	9.34886770	7.80034762	2.54600000	2.65424597
2100.000	63.63838060	9.36325705	7.80044424	2.00000000	2.66664731
2100.500	63.84102333	9.36362339	7.80054086	2.22000000	2.66479229
2101.000	65.03547320	9.36202348	7.80063749	2.50000000	2.66217863
2101.500	66.22412719	9.38120514	7.80073411	2.58000000	2.66072806
2102.000	68.20037780	9.40830242	7.80083073	3.14000000	2.64939039
2102.500	70.52449042	9.43770152	7.80092736	3.86000000	2.64509352
2103.000	71.41877006	9.44378334	7.80102398	2.98000000	2.65327757
2103.500	69.28581692	9.44309136	7.80112060	3.06379572	2.65281350
2104.000	68.50482790	9.44823780	7.80121723	3.96427082	2.63990423
2104.500	68.41469495	9.46247019	7.80131385	4.13795063	2.63559078
2105.000	67.62738602	9.46405026	7.80141047	3.98000000	2.63242608
2105.500	66.03985735	9.47900015	7.80150710	4.90000000	2.62358588
2106.000	65.43076873	9.50538146	7.80160372	5.38000000	2.61859095
2106.500	66.55538869	9.52431114	7.80170034	5.98000000	2.60051258
2107.000	74.97050584	9.52183465	7.80179697	7.46000000	2.56393431
2107.500	75.04510309	9.54203573	7.80189359	12.56750000	2.50400096
2108.000	67.91969506	9.54162442	7.80199021	23.50700000	2.38422987
2108.500	64.54892514	9.53761861	7.80208683	-999.25000000	2.21968877
2109.000	63.00138384	9.57463803	7.80218346	-999.25000000	-999.25000000
2109.500	60.93848303	10.29167488	7.80228008	-999.25000000	-999.25000000
2110.000	56.49549406	12.46916915	7.80237670	-999.25000000	-999.25000000
2110.500	52.83795292	12.41000848	7.80247333	-999.25000000	-999.25000000
2111.000	47.78806575	11.59563471	7.80256995	-999.25000000	2.06694017
2111.500	43.93073621	10.81109075	7.80266657	23.78720000	2.23441500
2112.000	44.59354585	9.55879804	7.80276320	13.46000000	2.47898076

2112.500	48.84165177	9.52338474	7.80285982	13.34000000	2.46424067
2113.000	53.17602189	9.57136305	7.80295644	16.22000000	2.43584868
2113.500	55.30132714	9.98328991	7.80305307	17.06000000	2.41739866
2114.000	55.23373832	10.49747577	7.80314969	20.30000000	2.36313793
2114.500	52.66380273	10.72160651	7.80324631	14.78000000	2.45385844
2115.000	49.92862417	10.62331278	7.80334294	15.42000000	2.44498114
2115.500	47.83554469	10.52464711	7.80343956	9.76675000	2.51721084
2116.000	46.65184485	11.43504120	7.80353618	5.98449070	2.60480535
2116.500	46.99384346	11.42251005	7.80363280	4.58062759	2.62642696
2117.000	46.55604073	9.26800689	7.80372943	4.24896830	2.63227749
2117.500	44.59733384	9.31490585	7.80382605	4.14000000	2.63464662
2118.000	44.62420976	9.30369039	7.80392267	3.78000000	2.63841828
2118.500	47.26950715	9.26974333	7.80401930	3.38000000	2.64849035
2119.000	49.40488839	9.26437753	7.80411592	3.22000000	2.64826976
2119.500	51.69171681	9.25815674	7.80421254	1.86000000	2.66771194
2120.000	51.85417659	9.22815928	7.80430917	2.06000000	2.67006264
2120.500	53.54401491	9.22262957	7.80440579	1.70000000	2.67258905
2121.000	56.15797696	9.22589172	7.80450241	1.54000000	2.67825879
2121.500	60.42350490	9.20488463	7.80459904	3.62000000	2.65837975
2122.000	62.17207948	9.18997875	7.80469566	3.54000000	2.63950743
2122.500	62.17793813	9.18446578	7.80479228	3.10000000	2.65079109
2123.000	62.21204535	9.18478669	7.80488891	2.62000000	2.66082918
2123.500	60.96655459	9.18489066	7.80498553	2.38000000	2.66347754
2124.000	59.79502389	9.18489066	7.80508215	2.78000000	2.65662016
2124.500	59.17467550	9.18492413	7.80517877	2.10000000	2.66878448
2125.000	59.85239293	9.18501312	7.80527540	1.66000000	2.67567014
2125.500	59.72471150	9.18440544	7.80537202	1.98000000	2.67122512
2126.000	54.40723271	9.17032730	7.80546864	2.26000000	2.66366398
2126.500	51.37485597	9.15969258	7.80556527	2.58000000	2.66645844
2127.000	51.80692718	9.14561444	7.80566189	2.62179768	2.66188781
2127.500	54.69972767	9.14500676	7.80575851	1.37491665	2.68034897
2128.000	58.16432098	9.14506228	7.80585514	1.78563617	2.67670036
2128.500	61.58635698	9.14500676	7.80595176	1.78000000	2.67652038
2129.000	62.38815899	9.14571841	7.80604838	1.38000000	2.68023023
2129.500	58.25812647	9.16004948	7.80614501	1.26000000	2.68375350
2130.000	52.63793960	9.16574129	7.80624163	0.84000000	2.68826198
2130.500	47.52252738	9.16645825	7.80633825	0.70000000	2.69049735
2131.000	47.52827312	9.14576905	7.80643488	1.22000000	2.69054478
2131.500	49.04617482	9.14528600	7.80653150	1.48717585	2.68111477
2132.000	52.52051877	9.14498642	7.80662812	3.27602552	2.65326393
2132.500	58.15853817	9.14474318	7.80672475	4.17862031	2.63751646
2133.000	58.05234096	9.15006054	7.80682137	4.10711314	2.64868040
2133.500	56.22954335	9.16442076	7.80691799	2.65933392	2.67855265
2134.000	53.22833727	9.16513240	7.80701461	1.01107196	2.68942047
2134.500	50.76694530	9.16504341	7.80711124	-0.24285714	2.70280908
2135.000	48.77565387	9.16502907	7.80720786	-1.42000000	2.72470596
2135.500	49.78242173	9.16519608	7.80730448	-0.02000000	2.70798196
2136.000	52.56953120	9.16372297	7.80740111	0.66000000	2.69393967
2136.500	60.58819870	9.18617763	7.80749773	1.46000000	2.68069724
2137.000	67.76240774	9.18470451	7.80759435	1.74000000	2.67541774
2137.500	70.56741649	9.18487153	7.80769098	2.18000000	2.66947881
2138.000	67.54941585	9.18492950	7.80778760	2.50000000	2.66527870
2138.500	63.18039753	9.18476735	7.80788422	1.98000000	2.67333226
2139.000	62.23370222	9.18437329	7.80798085	2.66000000	2.65809141
2139.500	61.87560058	9.16307641	7.80807747	2.74000000	2.65575829
2140.000	62.51146295	9.14971524	7.80817409	2.46000000	2.66247172
2140.500	64.89568074	9.14477232	7.80827072	2.74000000	2.66005880
2141.000	64.79834658	9.14498642	7.80836734	3.02000000	2.65539997
2141.500	63.69936422	9.14528600	7.80846396	3.84000000	2.64579278
2142.000	62.72512512	9.14587302	7.80856058	3.22666667	2.65033447
2142.500	68.19914597	9.16663636	7.80865721	2.62000000	2.65523828
2143.000	71.65887004	9.16003788	7.80875383	1.86000000	2.67025572
2143.500	71.44668129	9.15062059	7.80885045	1.78000000	2.67441390
2144.000	70.20054146	9.16429829	7.80894708	2.06000000	2.66861023
2144.500	64.72891758	9.16506545	7.80904370	2.10000000	2.66339078
2145.000	59.94570520	9.16492095	7.80914032	1.90000000	2.67160798
2145.500	56.88980853	9.16559912	7.80923695	2.37992763	2.66551357
2146.000	55.84551141	9.17995934	7.80933357	2.58167269	2.66253154

2146.500	55.30497149	9.18527670	7.80943019	1.98049553	2.66780667
2147.000	55.69061207	9.18499462	7.80952682	1.77806457	2.67255225
2147.500	57.31075405	9.18489066	7.80962344	1.93767689	2.66865834
2148.000	59.58191258	9.18489066	7.80972006	2.19747829	2.66399199
2148.500	61.28911772	9.18489066	7.80981669	2.80000000	2.65957771
2149.000	62.15290816	9.18489066	7.80991331	3.64000000	2.64316914
2149.500	62.76355752	9.18489066	7.81000993	3.84000000	2.64010024
2150.000	64.74775572	9.18489066	7.81010655	4.20000000	2.63846613
2150.500	64.34976786	9.18487153	7.81020318	3.50000000	2.64262999
2151.000	62.55256146	9.18470451	7.81029980	3.60000000	2.64244443
2151.500	62.19630193	9.18617763	7.81039642	3.84000000	2.64035317
2152.000	61.91404409	9.16372297	7.81049305	3.94000000	2.63904223
2152.500	61.21798272	9.16519608	7.81058967	3.76000000	2.63792635
2153.000	59.29925420	9.16502907	7.81068629	1.95000000	2.67051479
2153.500	57.36999446	9.16500994	7.81078292	1.46000000	2.67459548
2154.000	56.76668347	9.16500994	7.81087954	2.56000000	2.66489931
2154.500	57.64338771	9.16500994	7.81097616	2.52000000	2.65747906
2155.000	57.13197518	9.16500994	7.81107279	3.16000000	2.65303135
2155.500	56.14022304	9.16500994	7.81116941	1.90000000	2.66795844
2156.000	54.96582775	9.16504878	7.81126603	2.94000000	2.65629810
2156.500	56.60100477	9.16485316	7.81136266	3.18000000	2.65110428
2157.000	60.32884557	9.16437011	7.81145928	2.23000000	2.65842957
2157.500	63.97345380	9.14381402	7.81155590	3.08000000	2.66292202
2158.000	66.70437391	9.14443861	7.81165252	3.20000000	2.65394812
2158.500	64.07822837	9.14381402	7.81174915	2.60000000	2.66051559
2159.000	61.83892057	9.16439925	7.81184577	2.06800000	2.66344458
2159.500	61.25168061	9.16447438	7.81194239	0.76000000	2.68778049
2160.000	61.26057174	9.16358197	7.81203902	1.10029925	2.68512961
2160.500	62.17431576	9.18484001	7.81213564	1.66000000	2.67855681
2161.000	64.99814898	9.19978724	7.81223226	2.06000000	2.67030084
2161.500	65.38140573	9.20558229	7.81232889	1.98000000	2.66985635
2162.000	63.42777014	9.19994402	7.81242551	0.86000000	2.68032779
2162.500	62.91252252	9.18549897	7.81252213	0.50000000	2.69824692
2163.000	64.59662270	9.18495434	7.81261876	1.34000000	2.68590514
2163.500	62.20920990	9.18357021	7.81271538	1.94000000	2.67127918
2164.000	56.43486157	9.20605835	7.81281200	2.18000000	2.66748635
2164.500	57.70383624	9.20458523	7.81290860	2.46000000	2.66234258
2165.000	59.21937206	9.20475224	7.81300501	2.58000000	2.65849641
2165.500	61.28069846	9.20477137	7.81309993	2.62000000	2.65841537
2166.000	65.24781706	9.20477137	7.81327528	2.70000000	2.65955124
2166.500	69.05672262	9.20477137	7.81346785	2.82000000	2.65734371
2167.000	70.52828187	9.20473790	7.81366082	3.34096159	2.64993185
2167.500	68.13064930	9.20464891	7.81385361	3.46388386	2.64070846
2168.000	61.91005326	9.20536056	7.81404638	2.76046099	2.66271415
2168.500	59.55141709	9.21970164	7.81423914	1.54000000	2.67684419
2169.000	61.00863529	9.22485199	7.81443190	1.86000000	2.67087421
2169.500	59.63602199	9.22608187	7.81462466	2.58600000	2.66415671
2170.000	59.26989911	9.20334675	7.81481742	3.42000000	2.64822577
2170.500	60.99146451	9.20450383	7.81501018	3.46000000	2.64755370
2171.000	63.63150856	9.18224933	7.81520294	2.42000000	2.66144183
2171.500	66.63055962	9.20605835	7.81539571	3.10000000	2.65607551
2172.000	67.58877826	9.20591987	7.81558847	3.94000000	2.64808461
2172.500	66.36019316	9.18562929	7.81578123	2.68000000	2.65799909
2173.000	65.20216891	9.18584404	7.81597399	2.68000000	2.65702743
2173.500	65.71989417	9.20671670	7.81616675	3.02000000	2.65190941
2174.000	67.88310134	9.22634174	7.81635951	3.48000000	2.64592407
2174.500	70.84448729	9.22496825	7.81655228	3.80000000	2.64152000
2175.000	73.42160503	9.22459381	7.81674504	3.12000000	2.64588853
2175.500	73.92247377	9.22496825	7.81693780	1.98000000	2.66767941
2176.000	71.62411300	9.22634174	7.81713056	2.20000000	2.67426666
2176.500	70.32718539	9.20675554	7.81732332	1.50000000	2.67531727
2177.000	73.15371427	9.18568726	7.81751608	2.82000000	2.65804740
2177.500	74.40982419	9.18500860	7.81770884	3.00000000	2.65840455
2178.000	74.19129249	9.18485182	7.81790161	2.78000000	2.65947927
2178.500	73.00137880	9.18489066	7.81809437	3.08000000	2.65357411
2179.000	70.77486443	9.18489066	7.81828713	3.34000000	2.65166881
2179.500	66.39079645	9.18478669	7.81847989	2.38000000	2.66427723
2180.000	62.91070055	9.18450461	7.81867265	1.96000000	2.67035217

2180.500	61.50513685	9.18979998	7.81886541	1.82000000	2.66990525
2181.000	63.65872205	9.20412891	7.81905818	3.55424146	2.66016256
2181.500	63.27380814	9.20604455	7.81925094	4.13116488	2.64673464
2182.000	58.68282057	9.18563650	7.81944370	1.62407558	2.67477046
2182.500	50.40950287	9.16311591	7.81963646	1.98000000	2.67350587
2183.000	43.85058929	9.14976619	7.81982922	1.06000000	2.68892282
2183.500	40.89486590	9.12417708	7.82002198	-0.02000000	2.70472871
2184.000	40.68146277	9.14602430	7.82021474	-0.02160000	2.70022611
2184.500	41.96112057	9.14550367	7.82040751	1.10000000	2.68731179
2185.000	44.34534489	9.14510009	7.82060027	0.70000000	2.69432139
2185.500	46.59857780	9.14512922	7.82079303	1.34000000	2.68239529
2186.000	48.67453036	9.14512922	7.82098579	3.00200000	2.65953682
2186.500	51.26355577	9.14512922	7.82117855	4.10000000	2.63926580
2187.000	52.88708653	9.14512922	7.82137131	3.70000000	2.64434870
2187.500	52.91800539	9.14512922	7.82156407	2.68514885	2.65890772
2188.000	50.75444757	9.14512922	7.82175684	1.61995693	2.67558292
2188.500	48.83217502	9.14512922	7.82194960	1.49282463	2.67937505
2189.000	49.27005656	9.14512922	7.82214236	2.22561003	2.66639952
2189.500	50.03426411	9.14512922	7.82233512	1.69181424	2.66625808
2190.000	51.06903514	9.14523319	7.82252788	1.34987777	2.67955965
2190.500	52.06195447	9.14551527	7.82272064	2.54000000	2.65765350
2191.000	52.64438678	9.14019791	7.82291341	3.74000000	2.63816595
2191.500	53.51206756	9.12583769	7.82310617	4.46000000	2.64109707
2192.000	55.00565031	9.12512605	7.82329893	3.18000000	2.65061438
2192.500	57.38042835	9.12521503	7.82349169	3.18000000	2.64986739
2193.000	59.89811105	9.12524851	7.82368445	3.42000000	2.64957446
2193.500	60.06671603	9.12524851	7.82387721	3.06000000	2.65398864
2194.000	60.46485524	9.12524851	7.82406997	4.70000000	2.62395696
2194.500	60.99272120	9.12524851	7.82426274	4.10000000	2.64186005
2195.000	60.63647971	9.12519590	7.82445550	2.78000000	2.65939742
2195.500	58.61607621	9.12493990	7.82464826	2.86000000	2.65503365
2196.000	55.91085072	9.12712467	7.82484102	3.70000000	2.64342614
2196.500	54.31281714	9.11903022	7.82503378	4.02000000	2.63715956
2197.000	54.38863164	9.12582069	7.82522654	4.10000000	2.63910155
2197.500	60.71195677	9.12537161	7.82541930	3.54000000	2.64594498
2198.000	63.07617321	9.12524851	7.82561207	4.10600757	2.63850374
2198.500	60.39650803	9.12524851	7.82580483	4.18128897	2.63885360
2199.000	53.85003865	9.12524851	7.82599759	2.58390366	2.66105378
2199.500	51.99735412	9.12524851	7.82619035	1.82000000	2.66957927
2200.000	52.22420621	9.12524851	7.82638311	2.14000000	2.67149294
2200.500	55.76423879	9.12524851	7.82657587	1.90000000	2.67149024
2201.000	59.13491329	9.12524851	7.82676864	2.67806007	2.66319476
2201.500	62.59854084	9.12524851	7.82696140	2.26123136	2.66589579
2202.000	64.84229633	9.12524851	7.82715416	2.28025562	2.66480169
2202.500	67.52811831	9.12524851	7.82734692	2.86148365	2.65686069
2203.000	70.27256986	9.12524851	7.82753968	2.92000000	2.65500251
2203.500	71.40950446	9.12524851	7.82773244	1.82000000	2.67158285
2204.000	69.94099306	9.12524851	7.82792520	1.54000000	2.67761702
2204.500	65.45692589	9.12518053	7.82811797	1.92000000	2.67048844
2205.000	63.03726938	9.12575059	7.82831073	2.34000000	2.66444713
2205.500	62.15065992	9.12723268	7.82850349	2.18000000	2.66852602
2206.000	62.36147869	9.12723268	7.82869625	2.08000000	2.66634586
2206.500	65.08839943	9.12575059	7.82888901	1.74000000	2.67419338
2207.000	70.62869192	9.12520967	7.82908177	1.94000000	2.67557863
2207.500	71.38383719	9.12490320	7.82927453	3.13333333	2.64886642
2208.000	66.06521321	9.12390416	7.82946730	3.92000000	2.64311528
2208.500	58.55491593	9.14446026	7.82966006	3.56000000	2.64572785
2209.000	57.34855018	9.14531775	7.82985282	3.46000000	2.64490939
2209.500	59.85058979	9.14651241	7.83004558	3.88000000	2.64360072
2210.000	60.40588852	9.12592181	7.83023834	2.82000000	2.65466726
2210.500	57.48476903	9.12552775	7.83043110	3.09851009	2.65389477
2211.000	56.78592758	9.12462049	7.83062387	2.36540301	2.66091908
2211.500	56.57568571	9.11029911	7.83081663	1.22207396	2.68114670
2212.000	56.16894899	9.10498175	7.83100939	1.18000000	2.68473845
2212.500	51.98377991	9.10526383	7.83120215	2.02000000	2.67224447
2213.000	52.33515628	9.10536779	7.83139491	2.50000000	2.66370615
2213.500	54.70337530	9.10538692	7.83158767	2.37957435	2.66456890
2214.000	55.92219078	9.10551510	7.83178043	1.98039140	2.66531874

2214.500	57.45444680	9.10423760	7.83197320	2.98192276	2.65485621
2215.000	62.13440136	9.12707134	7.83216596	1.86000000	2.66431286
2215.500	64.12988904	9.14579742	7.83235872	2.14000000	2.67133791
2216.000	64.79656621	9.15001981	7.83255148	2.06000000	2.66853234
2216.500	65.14055089	9.16947024	7.83274424	3.10477820	2.65431540
2217.000	66.96940935	9.18325490	7.83293700	2.96888463	2.65193115
2217.500	67.88437598	9.20697205	7.83312977	4.40878939	2.63508507
2218.000	65.30291799	9.22664037	7.83332253	4.71519943	2.63150647
2218.500	60.48281444	9.24687229	7.83351529	3.26000000	2.65444711
2219.000	58.85978649	9.26572872	7.83370805	2.42000000	2.66568807
2219.500	63.47880724	9.26341448	7.83390081	2.42000000	2.66773806
2220.000	67.23369601	9.28327996	7.83409357	3.20000000	2.65234509
2220.500	68.21593722	9.28268914	7.83428633	3.90000000	2.64171274
2221.000	66.60742545	9.30308395	7.83447910	3.58000000	2.64454510
2221.500	65.51887887	9.30856345	7.83467186	3.02000000	2.65352644
2222.000	64.76341115	9.32843664	7.83486462	2.42000000	2.66139714
2222.500	63.74047002	9.34333222	7.83505738	2.26000000	2.66631099
2223.000	63.90979607	9.34360294	7.83525014	2.22000000	2.66629022
2223.500	65.70188019	9.34969563	7.83544290	2.42000000	2.66239615
2224.000	66.07039280	9.37693904	7.83563566	2.74000000	2.65701016
2224.500	65.73676417	9.40353969	7.83582843	2.90000000	2.65028828
2225.000	66.13596880	9.43023199	7.83602119	3.82000000	2.64083976
2225.500	66.96687613	9.45790113	7.83621395	3.90000000	2.63845698
2226.000	68.67503098	9.49006763	7.83640671	4.09249057	2.63560768
2226.500	71.69660766	9.52287659	7.83659947	5.56844665	2.61352887
2227.000	73.62385555	9.55608023	7.83679223	7.62213596	2.58039961
2227.500	74.13403550	9.58600638	7.83698500	6.90000000	2.58447680
2228.000	73.84582744	9.64150143	7.83717776	6.06000000	2.59997724
2228.500	70.50625993	9.72393918	7.83737052	6.02000000	2.60209958
2229.000	65.18457309	9.89412208	7.83756328	9.47200000	2.51500122
2229.500	60.79414326	10.36706449	7.83775604	12.38000000	2.49261493
2230.000	58.27288584	10.63187265	7.83794880	12.82000000	2.48751078
2230.500	58.65854754	10.71379848	7.83814156	14.14000000	2.47613295
2231.000	60.95918130	11.03471170	7.83833433	16.10266667	2.44223763
2231.500	60.39636349	10.95121335	7.83852709	20.08720000	2.37828794
2232.000	58.26834976	11.05592230	7.83871985	25.02266667	2.31186672
2232.500	57.44990804	10.86130759	7.83891261	27.10000000	2.27748937
2233.000	60.46252677	11.18772221	7.83910537	25.10000000	2.26032596
2233.500	61.03802946	11.80485169	7.83929813	25.66000000	2.27700390
2234.000	59.69358603	11.89734914	7.83949089	27.02000000	2.26070193
2234.500	59.49827441	11.12145824	7.83968366	20.34000000	2.31879817
2235.000	59.51104545	11.37498030	7.83987642	18.26000000	2.39550000
2235.500	58.97287877	11.13573718	7.84006918	18.94000000	2.39250000
2236.000	58.34383270	10.89987351	7.84026194	12.81560000	2.49350000
2236.500	55.79962665	10.31338418	7.84045470	5.11940000	2.60750000
2237.000	52.65532138	9.92384338	7.84064746	1.11237085	2.68511471
2237.500	51.95418427	9.91929678	7.84084023	0.64198027	2.68734986
2238.000	52.12675422	9.91990620	7.84103299	2.01617022	2.67137837
2238.500	53.02968367	9.92047714	7.84122575	0.74000000	2.67430209
2239.000	53.13377514	9.92045522	7.84141851	0.46000000	2.69268588
2239.500	49.01002443	9.92039208	7.84161127	1.86000000	2.67431949
2240.000	40.51813861	9.92110538	7.84180403	1.62000000	2.67030662
2240.500	36.46304055	9.94075081	7.84199679	3.20000000	2.64995712
2241.000	37.02465639	9.94039275	7.84218956	3.34000000	2.64752858
2241.500	43.87995414	9.94036251	7.84238232	2.64000000	2.65683481
2242.000	47.62707304	9.94035785	7.84257508	2.70000000	2.65414276
2242.500	50.28722318	9.94035785	7.84276784	3.06000000	2.64975504
2243.000	52.87928242	9.94033098	7.84296060	2.99597084	2.65256739
2243.500	53.90926776	9.94022721	7.84315336	3.45688489	2.64579633
2244.000	53.42680230	9.94103245	7.84334612	4.55327853	2.61677516
2244.500	52.89799834	9.95960509	7.84353889	8.00089422	2.56630771
2245.000	54.68396032	9.97727610	7.84373165	8.99346141	2.54993318
2245.500	58.89803962	9.99144251	7.84392441	11.83246298	2.51471168
2246.000	62.94497780	10.10812193	7.84411717	8.43000000	2.51214880
2246.500	64.90337690	10.02488493	7.84430993	2.44000000	2.68473816
2247.000	65.10116902	10.07654133	7.84450269	5.98000000	2.58587932
2247.500	64.28044285	10.01947275	7.84469546	6.66000000	2.60303319
2248.000	64.59045127	10.02026332	7.84488822	4.00000000	2.65313427

2248.500	64.32394930	10.02026298	7.84508098	4.92000000	2.62360635
2249.000	62.13751282	10.04015704	7.84527374	5.08000000	2.62046526
2249.500	58.57410571	10.09683246	7.84546650	5.42000000	2.61695182
2250.000	56.05498743	10.20405328	7.84565926	5.90000000	2.60593626
2250.500	54.33037904	9.95812364	7.84585202	5.10000000	2.61845393
2251.000	52.41547475	9.92519402	7.84604479	4.34000000	2.63232321
2251.500	49.98293211	9.93960668	7.84623755	2.86000000	2.64900405
2252.000	48.63593672	9.94056478	7.84643031	3.10000000	2.65445020
2252.500	49.21003153	9.94103115	7.84662307	2.30000000	2.65974053
2253.000	55.24542361	9.96158589	7.84681583	3.06000000	2.66021506
2253.500	60.54440814	9.96060683	7.84700859	3.42000000	2.64951372
2254.000	62.82371965	9.96021614	7.84720136	3.14000000	2.64851108
2254.500	61.65839289	9.95861997	7.84739412	4.82000000	2.62648296
2255.000	59.54030064	9.94912275	7.84758688	6.70000000	2.58850467
2255.500	57.66247792	9.94056946	7.84777964	8.20698841	2.55422226
2256.000	57.76216185	9.93954273	7.84797240	12.90315251	2.51284227
2256.500	61.63620505	9.92589474	7.84816516	14.88802912	2.45543240
2257.000	64.85204157	9.95081425	7.84835792	15.38000000	2.44761203
2257.500	63.54483326	9.98235971	7.84855069	17.35500000	2.38950271
2258.000	60.15721523	10.02687580	7.84874345	22.74000000	2.32990517
2258.500	58.95004077	10.60615906	7.84893621	22.82000000	2.32397666
2259.000	57.64212299	11.32837952	7.84912897	21.17377778	2.36735766
2259.500	56.47214716	11.65196368	7.84932173	17.11133333	2.41883519
2260.000	55.64460555	11.59121422	7.84951449	12.36602110	2.45550000
2260.500	56.83308258	11.48337250	7.84970725	6.92418374	2.55241022
2261.000	56.81825484	10.83866215	7.84990002	3.75714286	2.63650000
2261.500	55.90213343	9.90209631	7.85009278	1.88000000	2.66170407
2262.000	55.66650518	9.77472664	7.85028554	1.72000000	2.66952884
2262.500	54.11339344	9.80038462	7.85047830	1.62000000	2.67734801
2263.000	52.56813112	9.80644608	7.85067106	2.14000000	2.66906985
2263.500	53.95316004	9.82083845	7.85086382	3.32000000	2.65351462
2264.000	58.09712155	9.82153596	7.85105659	4.14000000	2.63434975
2264.500	65.85093541	9.82245138	7.85124935	4.62000000	2.62437511
2265.000	66.46717227	9.80183267	7.85144211	4.76000000	2.62195081
2265.500	63.63745792	9.80138310	7.85163487	3.96000000	2.64673280
2266.000	57.13568631	9.80127647	7.85182763	2.14000000	2.66236821
2266.500	52.34551372	9.80060366	7.85202039	2.04000000	2.66739201
2267.000	50.56911799	9.78620997	7.85221315	2.64000000	2.66151987
2267.500	51.22682211	9.78092672	7.85240598	3.84750000	2.65561453
2268.000	53.83603682	9.78235874	7.85259828	5.36491352	2.62227939
2268.500	55.64447042	9.79006190	7.85279161	7.53869974	2.57675759
2269.000	58.52891091	9.80361054	7.85293327	7.83855487	2.56750942
2269.500	55.57598397	9.81852053	7.85303365	7.80000000	2.55360886
2270.000	55.34243004	9.79870630	7.85313256	15.96000000	2.48769924
2270.500	57.71892608	9.83657309	7.85323131	15.40000000	2.43870916
2271.000	57.73124937	9.97407786	7.85333016	15.76000000	2.44795230
2271.500	59.72405207	10.22151254	7.85342901	16.00000000	2.43285379
2272.000	62.90875464	10.27487133	7.85352786	15.24000000	2.44765883
2272.500	63.39334237	10.31494289	7.85362671	18.25000000	2.40820883
2273.000	64.01266738	10.41447676	7.85372556	19.76000000	2.37441357
2273.500	65.75815464	10.57232971	7.85382441	18.34000000	2.39070021
2274.000	64.40281494	10.75621977	7.85392326	19.18000000	2.38268096
2274.500	62.64803472	10.86992559	7.85402211	13.05000000	2.41439513
2275.000	61.67704316	11.25280016	7.85412097	7.02857143	2.56504866
2275.500	60.13791094	10.97809008	7.85421982	3.06000000	2.66124606
2276.000	57.54863961	10.53374937	7.85431867	1.98000000	2.66675221
2276.500	53.43220051	9.86488132	7.85441752	2.14000000	2.66559487
2277.000	48.51881010	9.73272436	7.85451637	1.50000000	2.67857893
2277.500	44.01655145	9.74245462	7.85461522	1.12000000	2.68217316
2278.000	43.07506519	9.74146381	7.85471407	2.50000000	2.66308672
2278.500	43.73443926	9.74151185	7.85481292	2.22000000	2.66556495
2279.000	48.71342311	9.74157078	7.85491177	3.10000000	2.65205885
2279.500	51.48723783	9.74155733	7.85501063	3.38000000	2.64509456
2280.000	50.21946764	9.73010443	7.85510948	2.04000000	2.66256903
2280.500	48.40502585	9.74431226	7.85520833	1.82000000	2.67223631
2281.000	48.20837663	9.72180986	7.85530718	2.26000000	2.66407036
2281.500	51.94874774	9.72028932	7.85540603	1.50000000	2.67908559
2282.000	55.03684300	9.74019336	7.85550488	1.06000000	2.68679286

2282.500	59.55929257	9.72045874	7.85560373	1.46000000	2.67502913
2283.000	64.74446608	9.72206048	7.85570258	1.22000000	2.68132074
2283.500	66.89966032	9.73675618	7.85580143	1.89516652	2.67049136
2284.000	65.54122326	9.74201307	7.85590029	1.81599799	2.67073297
2284.500	65.14141517	9.73163377	7.85599914	1.89768542	2.66848670
2285.000	65.02085673	9.72699978	7.85609799	2.58000000	2.65648298
2285.500	61.64976159	9.77072787	7.85619684	3.18000000	2.64909474
2286.000	57.93124316	9.78097522	7.85629569	2.30000000	2.65943024
2286.500	56.89800974	9.78221229	7.85639454	2.58000000	2.66356897
2287.000	56.51711007	9.80123544	7.85649339	1.90000000	2.67235517
2287.500	56.42703428	9.82098431	7.85659224	2.42000000	2.66162811
2288.000	55.89640376	9.81978681	7.85669109	3.02000000	2.65052813
2288.500	54.37168809	9.84099311	7.85678995	3.30000000	2.64729698
2289.000	55.00262435	9.86196496	7.85688880	1.86000000	2.66757593
2289.500	56.19684417	9.86030354	7.85698765	3.55003204	2.65380273
2290.000	55.68405533	9.85967679	7.85708650	3.89468585	2.63238567
2290.500	55.87519920	9.87889021	7.85718535	4.19119452	2.62681040
2291.000	57.46001839	9.90023974	7.85728420	3.42000000	2.64759852
2291.500	58.99450889	9.92512371	7.85738305	4.78680000	2.64267780
2292.000	60.60961541	9.96022258	7.85748190	9.78000000	2.54636356
2292.500	62.19308862	9.96569539	7.85758075	8.71500000	2.56530882
2293.000	64.61255409	9.99456167	7.85767961	5.74000000	2.60300899
2293.500	67.44864364	9.99871839	7.85777846	4.82000000	2.62070509
2294.000	70.21959029	10.02367380	7.85787731	4.06000000	2.63805372
2294.500	70.83931198	10.07964723	7.85797616	3.82000000	2.64278233
2295.000	70.37398085	10.27008276	7.85807501	4.18000000	2.63276374
2295.500	68.44806892	10.53178656	7.85817386	5.26000000	2.61686184
2296.000	64.30282954	10.22844847	7.85827271	6.30000000	2.59357700
2296.500	57.86224168	10.09685994	7.85837156	8.92866667	2.54894875
2297.000	54.23996809	10.09666146	7.85847041	13.31974373	2.48206854
2297.500	53.48743095	10.12549656	7.85856927	12.57777638	2.49259451
2298.000	54.23692059	10.13798912	7.85866812	13.18386361	2.47772065
2298.500	54.35128737	10.16007948	7.85876697	21.06008487	2.34747228
2299.000	54.12705472	10.16406407	7.85886582	22.06000000	2.33619288
2299.500	56.72813377	10.17821966	7.85896467	25.06000000	2.29198664
2300.000	58.37754358	10.17889595	7.85906352	25.30000000	2.28986851
2300.500	60.10414601	10.19150430	7.85916237	20.18527023	2.36721781
2301.000	60.99079554	10.22587139	7.85926122	18.97502063	2.38499228
2301.500	60.80590927	10.41364832	7.85936007	15.93107374	2.43570412
2302.000	60.07100141	10.70203317	7.85945893	14.17188482	2.45991077
2302.500	60.09618709	11.03322395	7.85955778	10.44141117	2.52339428
2303.000	60.37154999	11.44227563	7.85965663	9.80723971	2.53762711
2303.500	61.20101564	11.58811562	7.85975548	8.62000000	2.55555355
2304.000	62.65943664	11.52920790	7.85985433	7.58000000	2.57346892
2304.500	64.16932367	11.50954193	7.85995318	10.34000000	2.53105718
2305.000	66.28440649	11.44880255	7.86005203	10.98000000	2.51387720
2305.500	66.66378913	11.45045419	7.86015088	16.64800000	2.42889627
2306.000	65.56083934	11.08594716	7.86024973	22.17666667	2.32471566
2306.500	62.28274974	10.54150670	7.86034858	26.55233333	2.26801522
2307.000	57.92096284	10.55658816	7.86044744	28.46000000	2.22405603
2307.500	58.86816618	10.96290499	7.86054629	29.14833333	2.21052245
2308.000	62.97070623	11.50864930	7.86064514	27.05901715	2.25414211
2308.500	63.94854686	11.57655665	7.86074399	26.47283530	2.26471589
2309.000	64.58219281	12.02811124	7.86084284	28.51507588	2.19931110
2309.500	66.07588498	12.08628362	7.86094169	28.06000000	2.20096308
2310.000	67.60851378	11.94199285	7.86104054	23.72439902	2.28069257
2310.500	69.66699222	11.52049383	7.86113939	19.74352903	2.35684140
2311.000	70.00236490	11.47547027	7.86123824	14.99500000	2.43537346
2311.500	70.25470278	11.95548039	7.86133710	9.97375000	2.52175156
2312.000	68.98710858	12.23256946	7.86143595	4.95250000	2.60635431
2312.500	65.29498573	12.41713040	7.86153480	2.82000000	2.65316503
2313.000	59.95638542	12.29592930	7.86163365	2.66000000	2.65650449
2313.500	50.09705639	10.63271919	7.86173250	2.86000000	2.65767365
2314.000	46.95845039	10.10025549	7.86183135	2.98000000	2.65449399
2314.500	45.70072603	10.07446947	7.86193020	3.30000000	2.64822235
2315.000	46.05284424	10.04503188	7.86202905	3.46000000	2.64522985
2315.500	47.81880695	9.99299374	7.86212790	2.42000000	2.65301715
2316.000	47.48423691	9.95966624	7.86222676	2.14000000	2.66044800

2316.500	47.76711115	9.92216864	7.86232561	3.02000000	2.65278586
2317.000	50.28021643	9.93992273	7.86242446	4.50000000	2.63487290
2317.500	51.49679799	9.94076854	7.86252331	5.78195642	2.59577621
2318.000	50.46408595	9.93518344	7.86262216	10.33441596	2.52448318
2318.500	49.03901616	9.92203482	7.86272101	16.23869485	2.44969266
2319.000	47.79034109	9.93467280	7.86281986	22.13427249	2.34690777
2319.500	48.70287337	9.92120557	7.86291871	-999.25000000	2.19658497
2320.000	52.09307117	9.92198594	7.86301756	-999.25000000	2.10531371
2320.500	52.58841083	9.91571862	7.86311642	-999.25000000	2.09429330
2321.000	51.18353993	9.91524108	7.86321527	-999.25000000	2.08473801
2321.500	49.11173919	9.93472010	7.86331412	-999.25000000	2.18318627
2322.000	51.43085846	9.97390826	7.86341297	-999.25000000	2.26128893
2322.500	52.91137916	10.93291184	7.86351182	-999.25000000	2.26699255
2323.000	51.50247411	12.17944532	7.86361067	-999.25000000	2.23315162
2323.500	52.26022049	12.71723658	7.86370952	-999.25000000	2.21327865
2324.000	54.36219277	12.70472201	7.86380837	-999.25000000	2.33579374
2324.500	53.52784910	12.00281847	7.86390722	-999.25000000	2.48214346
2325.000	51.59980446	11.54146871	7.86400608	-999.25000000	2.43709091
2325.500	49.69046031	12.14132309	7.86410493	-999.25000000	2.30572727
2326.000	47.89421403	12.20116413	7.86420378	-999.25000000	2.17540000
2326.500	48.51429205	9.72321276	7.86430263	-999.25000000	2.06350000
2327.000	51.92627736	9.74730592	7.86440148	-999.25000000	2.05550000
2327.500	52.85427246	9.75553965	7.86450033	-999.25000000	2.14950000
2328.000	52.20276273	9.93219162	7.86459918	27.43301900	2.29350000
2328.500	51.74217716	11.05789299	7.86469803	22.58000000	2.32176032
2329.000	52.98206253	12.18094703	7.86479688	23.64000000	2.31003809
2329.500	53.33129551	12.62167107	7.86489574	22.24000000	2.33002183
2330.000	55.63688107	12.59941431	7.86499459	22.82000000	2.32484830
2330.500	56.68699903	12.26237059	7.86509344	22.82000000	2.32663978
2331.000	60.15496498	11.86515456	7.86519229	21.18000000	2.33664095
2331.500	64.25776565	11.91983549	7.86529114	16.28933333	2.42750953
2332.000	67.60202504	11.75046059	7.86538999	10.28000000	2.54734460
2332.500	69.73494920	11.98332894	7.86548884	5.10000000	2.60423773
2333.000	66.05724935	11.55517972	7.86558769	3.58000000	2.64198961
2333.500	58.71756434	9.85364350	7.86568654	2.86000000	2.65175703
2334.000	51.90585764	9.60012618	7.86578540	2.70000000	2.66158319
2334.500	48.45375033	9.59832365	7.86588425	2.54119370	2.66118223
2335.000	46.94351724	9.55643254	7.86598310	2.23342518	2.66659270
2335.500	52.40505208	9.52199765	7.86608195	2.42470647	2.66478402
2336.000	54.56113889	9.50197619	7.86618080	2.62000000	2.66188689
2336.500	56.26720006	9.48340107	7.86627965	2.66000000	2.66017752
2337.000	57.33461059	9.48291066	7.86637850	2.70000000	2.65838584
2337.500	57.41564027	9.46273449	7.86647735	2.90000000	2.65684736
2338.000	57.44792422	9.46319188	7.86657620	4.82000000	2.62888655
2338.500	56.52866448	9.46322296	7.86667506	3.66000000	2.64206180
2339.000	55.00298983	9.46295113	7.86677391	3.50000000	2.64601014
2339.500	54.13318335	9.46335856	7.86687276	4.34000000	2.63312559
2340.000	56.26951696	9.45756469	7.86697161	6.10996805	2.60679613
2340.500	58.89210952	9.42242871	7.86707046	7.91592332	2.56780859
2341.000	62.73282345	9.42617916	7.86716931	10.99600000	2.52206169
2341.500	66.94334052	9.46667324	7.86726816	15.35280000	2.44413397
2342.000	67.54152785	9.58791560	7.86736701	19.91800000	2.37876290
2342.500	67.85035366	9.97577233	7.86746586	21.54000000	2.35218050
2343.000	68.12792522	10.44874103	7.86756471	26.21520000	2.28671466
2343.500	67.88761927	10.71973926	7.86766357	-999.25000000	2.17985108
2344.000	66.52793785	11.04575021	7.86776242	-999.25000000	2.15912426
2344.500	65.24580521	11.56461012	7.86786127	-999.25000000	2.17654256
2345.000	66.05774221	11.28448093	7.86796012	-999.25000000	2.19833377
2345.500	65.45205267	11.73443461	7.86805897	-999.25000000	2.14436857
2346.000	62.19466556	11.22304019	7.86815782	-999.25000000	2.09575599
2346.500	58.89154852	11.06689270	7.86825667	-999.25000000	2.04856428
2347.000	56.85045078	11.49475126	7.86835552	-999.25000000	2.06010359
2347.500	51.79500528	11.99596761	7.86845437	-999.25000000	2.18558191
2348.000	49.98268813	11.65122917	7.86855323	28.90000000	2.22520129
2348.500	48.15750364	11.49267118	7.86865208	23.26000000	2.32850000
2349.000	40.54026389	11.91740842	7.86875093	15.82333333	2.43550000
2349.500	34.58879956	11.07026838	7.86884978	7.49750000	2.61250000
2350.000	33.07502652	9.54409642	7.86894863	-0.10000000	2.71050000

2350.500	33.96630757	9.42224148	7.86904748	-0.02000000	2.69550000
2351.000	37.13071521	9.40454155	7.86914633	2.42000000	2.66450000
2351.500	41.65322328	9.40337028	7.86924518	2.89508491	2.65637309
2352.000	44.95454880	9.40354848	7.86934403	2.08963999	2.66357340
2352.500	48.41483706	9.40357853	7.86944289	0.95090669	2.68630766
2353.000	49.76343646	9.40350798	7.86954174	0.06000000	2.70439940
2353.500	54.60927326	9.40370156	7.86964059	1.22000000	2.68440815
2354.000	58.68721377	9.40644283	7.86973944	1.54000000	2.67712670
2354.500	59.21138796	9.37611390	7.86983829	1.66000000	2.67591675
2355.000	58.70078025	9.38421735	7.86993714	0.58000000	2.68514240
2355.500	57.93416776	9.38249422	7.87003599	0.50000000	2.69408881
2356.000	56.74061367	9.40477032	7.87013484	1.38000000	2.67913746
2356.500	54.41690627	9.41899614	7.87023369	1.42000000	2.68135370
2357.000	52.91070308	9.42329822	7.87033255	0.54000000	2.69150520
2357.500	52.09042118	9.42413399	7.87043140	0.62000000	2.68671596
2358.000	51.80156654	9.43827291	7.87053025	2.02000000	2.67022361
2358.500	49.91177497	9.45997921	7.87062910	2.02000000	2.66652519
2359.000	49.94829813	9.46319964	7.87072795	2.14000000	2.66731890
2359.500	50.30821705	9.46390136	7.87082680	1.90000000	2.67330209
2360.000	52.54686169	9.47799696	7.87092565	1.76000000	2.67391448
2360.500	54.15393244	9.50042357	7.87102450	2.04000000	2.67139533
2361.000	54.05742896	9.50309624	7.87112335	2.84000000	2.65759834
2361.500	54.92508282	9.50303840	7.87122221	3.74000000	2.64522372
2362.000	58.95204662	9.50310291	7.87132106	3.28000000	2.64801354
2362.500	60.14973650	9.52273492	7.87141991	3.18000000	2.64942458
2363.000	61.88854579	9.54235178	7.87151876	7.13692308	2.57611198
2363.500	62.76799070	9.54991600	7.87161761	12.09076923	2.47956592
2364.000	61.89018962	9.55055621	7.87171646	17.07166179	2.37671036
2364.500	60.04130256	9.56615462	7.87181531	25.93443470	2.27839894
2365.000	59.79051094	9.91119350	7.87191416	-999.25000000	2.16834444
2365.500	59.79127717	10.83268316	7.87201301	-999.25000000	2.05625000
2366.000	61.02015258	11.33522134	7.87211187	-999.25000000	2.01400000
2366.500	61.24266696	11.47324599	7.87221072	-999.25000000	2.00150000
2367.000	60.07107692	11.91079270	7.87230957	-999.25000000	2.03905203
2367.500	60.09512089	12.34337372	7.87240842	-999.25000000	2.11338019
2368.000	60.31711908	12.46476496	7.87250756	-999.25000000	2.21286209
2368.500	59.15881802	12.46483748	7.87260646	20.55400000	2.37164286
2369.000	55.20355191	11.42038203	7.87270263	14.61400000	2.47675000
2369.500	51.69542380	10.48259959	7.87264719	10.04000000	2.54733333
2370.000	50.55674380	9.95717049	7.87235379	5.80000000	2.60357100
2370.500	55.67726520	9.89812377	7.87206390	5.70000000	2.60831054
2371.000	56.75567785	9.89989701	7.87177318	7.28500000	2.56455593
2371.500	57.57679410	9.87881694	7.87148268	12.11185761	2.46122943
2372.000	54.01746535	9.88111411	7.87119218	16.99767756	2.40146287
2372.500	53.51552866	9.92334544	7.87090168	20.02049818	2.39388041
2373.000	53.51525404	10.60540306	7.87061118	23.05207387	2.32337019
2373.500	53.24169923	11.07855755	7.87032068	21.44620579	2.32408708
2374.000	51.65908321	10.56386629	7.87003019	20.26722050	2.36645307
2374.500	49.30950034	10.39412049	7.86973969	18.67793519	2.39029942
2375.000	45.82555365	11.02717297	7.86944919	17.80000000	2.40360439
2375.500	42.91148077	11.46741141	7.86915869	11.78571429	2.45693923
2376.000	42.08619361	9.82730963	7.86886819	7.86000000	2.56213394
2376.500	42.25562366	9.52576996	7.86857769	7.62000000	2.57498692
2377.000	43.35935232	9.53533371	7.86828719	10.69200000	2.49798337
2377.500	44.76658160	9.48189686	7.86799669	12.58000000	2.48847983
2378.000	47.01708889	9.13902647	7.86770619	13.18000000	2.48331450
2378.500	51.60634733	9.17274867	7.86741569	9.58000000	2.51733769
2379.000	53.58209441	9.27972008	7.86712519	8.06000000	2.55763671
2379.500	54.47124129	9.33991278	7.86683469	8.06000000	2.57607274
2380.000	54.77541314	9.37997377	7.86654419	8.86000000	2.54884405
2380.500	56.64661256	9.42654387	7.86625369	8.02000000	2.56789325
2381.000	57.78614534	9.51188118	7.86596319	8.34000000	2.56486802
2381.500	58.33158110	9.59743446	7.86567269	9.90000000	2.53944939
2382.000	57.68473768	9.63957524	7.86538219	9.90000000	2.54076263
2382.500	56.20440356	9.66117899	7.86509169	7.18000000	2.57515116
2383.000	55.22663958	9.66195041	7.86480119	7.02000000	2.58760214
2383.500	55.02746145	9.66169087	7.86451069	7.22000000	2.58005397
2384.000	54.99872214	9.66139856	7.86422019	8.02000000	2.55974332

2384.500	55.65472327	9.69771038	7.86392969	9.30000000	2.54672629
2385.000	56.47412057	9.68250968	7.86363919	9.94000000	2.53587585
2385.500	57.38413537	9.68226918	7.86334869	10.70000000	2.52256962
2386.000	58.87739116	9.68066275	7.86305819	13.20100000	2.46225634
2386.500	61.10992345	9.71711626	7.86276769	17.29150000	2.41722885
2387.000	64.18465840	9.80576082	7.86247719	24.14812955	2.32366000
2387.500	63.14676257	10.03493876	7.86218669	-999.25000000	2.17050000
2388.000	59.54405641	10.73067300	7.86189619	-999.25000000	-999.25000000
2388.500	57.76317117	10.96644338	7.86160569	-999.25000000	-999.25000000
2389.000	56.21198789	11.33105691	7.86131519	-999.25000000	-999.25000000
2389.500	55.09139368	12.36199781	7.86102469	-999.25000000	-999.25000000
2390.000	54.14822706	12.97028996	7.86073419	25.86000000	-999.25000000
2390.500	51.39465298	13.52974134	7.86044369	17.21635015	2.10150000
2391.000	46.83455789	12.29142112	7.86015319	7.62284866	2.46415000
2391.500	42.53086201	9.84340467	7.85986269	3.72571429	2.66450000
2392.000	39.43849032	9.66474618	7.85957219	1.94038745	2.66950000
2392.500	39.86049862	9.67975754	7.85928169	0.63884762	2.68350000
2393.000	41.39266855	9.69605584	7.85899119	2.02552208	2.68850000
2393.500	42.49827098	9.68095025	7.85870069	3.07096994	2.65036204
2394.000	42.50176305	9.68163807	7.85841019	3.02941715	2.64853472
2394.500	41.09943907	9.68228299	7.85811969	2.46315399	2.65506264
2395.000	38.67448754	9.68315177	7.85782919	2.09377742	2.66627632
2395.500	37.98000103	9.66228910	7.85753869	1.85841919	2.67397305
2396.000	41.80285090	9.66744244	7.85724819	1.73959267	2.67592358
2396.500	46.87637188	9.66248868	7.85695769	1.74000000	2.67365411
2397.000	50.03585804	9.67703041	7.85666719	2.14000000	2.66767171
2397.500	51.18609824	9.68230813	7.85637669	2.94000000	2.65279618
2398.000	51.75614346	9.68201252	7.85608619	2.94000000	2.66121742
2398.500	52.02966448	9.68190855	7.85579569	2.66000000	2.65741043
2399.000	52.43786043	9.68190855	7.85550519	1.82000000	2.67152253
2399.500	55.28483871	9.68183190	7.85521469	1.78000000	2.66669263
2400.000	58.96719373	9.68070347	7.85492420	2.81248120	2.66076629
2400.500	60.99255019	9.68003554	7.85463370	4.86000000	2.63208984
2401.000	60.03812848	9.77545358	7.85434320	5.06555538	2.62074905
2401.500	55.71616580	10.11947719	7.85405270	4.14950596	2.64179960
2402.000	50.01886036	10.47632539	7.85376220	3.39874299	2.64779931
2402.500	42.05030721	10.00973357	7.85347170	1.98000000	2.66569778
2403.000	38.86856282	9.60817279	7.85318120	1.38000000	2.67720370
2403.500	39.17316387	9.58341845	7.85289070	2.26000000	2.67349103
2404.000	41.93190628	9.58214652	7.85260020	3.70000000	2.65566877
2404.500	44.53021179	9.58246613	7.85230970	4.42000000	2.63900631
2405.000	47.75150638	9.58250497	7.85201920	5.22000000	2.61779674
2405.500	50.21506443	9.58243266	7.85172870	8.18000000	2.56771835
2406.000	51.73393513	9.58210237	7.85143820	11.16450000	2.49759160
2406.500	54.09225354	9.58072845	7.85114770	15.06000000	2.41073524
2407.000	56.45846945	9.62505429	7.85085720	19.69272727	2.29549545
2407.500	56.78637681	10.02961013	7.85056670	24.55522294	2.14629875
2408.000	55.83984990	10.71173608	7.85027620	-999.25000000	2.07406220
2408.500	54.20706115	11.32478927	7.84998570	-999.25000000	-999.25000000
2409.000	50.26285803	11.22604877	7.84969520	-999.25000000	-999.25000000
2409.500	45.36491159	10.56234180	7.84940470	-999.25000000	-999.25000000
2410.000	38.69575998	12.00490962	7.84911420	-999.25000000	2.14250000
2410.500	31.63026960	10.97114307	7.84882370	-999.25000000	2.63995361
2411.000	28.77623912	9.57128405	7.84853320	-999.25000000	2.73201268
2411.500	29.99062608	9.51589493	7.84824270	-999.25000000	2.71865539
2412.000	33.52036048	9.52142049	7.84795220	-999.25000000	2.71204651
2412.500	37.79953028	9.52999276	7.84766170	-999.25000000	2.69552358
2413.000	39.22542126	9.52344967	7.84737120	-999.25000000	2.68451188
2413.500	38.58044464	9.52220065	7.84708070	-999.25000000	2.68240398
2414.000	38.67382241	9.53909383	7.84679020	-999.25000000	2.67564946
2414.500	42.89620455	9.52326586	7.84649970	-999.25000000	2.66154961
2415.000	47.32530193	9.52272123	7.84620920	-999.25000000	2.65198867
2415.500	50.25467846	9.52279051	7.84591870	-999.25000000	2.60841809
2416.000	52.67781600	9.52314270	7.84562820	-999.25000000	2.57509710
2416.500	53.49809447	9.52345814	7.84533770	-999.25000000	2.46635244
2417.000	50.66915401	9.53585495	7.84504720	-999.25000000	2.28033283
2417.500	49.32910303	9.54549599	7.84475670	-999.25000000	-999.25000000
2418.000	49.40192944	10.13850762	7.84446620	-999.25000000	-999.25000000

2418.500	51.25402216	10.96525453	7.84417570	-999.25000000	-999.25000000
2419.000	53.49796778	11.23236368	7.84388520	-999.25000000	-999.25000000
2419.500	53.64242147	12.88496002	7.84359470	-999.25000000	-999.25000000
2420.000	49.68984842	13.61695062	7.84330420	-999.25000000	-999.25000000
2420.500	43.95008666	14.24260183	7.84301370	-999.25000000	-999.25000000
2421.000	41.67201123	13.99254559	7.84272320	12.90333333	2.13688006
2421.500	41.77179015	9.70668880	7.84243270	6.10000000	2.59900000
2422.000	43.92292201	9.70097397	7.84214220	9.18000000	2.52112500
2422.500	45.50479051	10.86859925	7.84185170	13.88000000	2.47250000
2423.000	48.52142835	11.09457680	7.84156120	14.05811511	2.46991938
2423.500	50.84095195	11.04655308	7.84127070	12.01696759	2.49467085
2424.000	49.65221101	10.02298102	7.84098020	7.01568554	2.59422712
2424.500	43.23446427	9.93211652	7.84068970	4.32000000	2.62952922
2425.000	37.70050279	9.67199291	7.84039920	2.18000000	2.65822580
2425.500	37.01927985	9.37241277	7.84010870	1.14000000	2.67906944
2426.000	41.24012893	9.34086299	7.83981820	1.33785324	2.68213576
2426.500	44.35866587	9.34352658	7.83952771	2.19981106	2.66576224
2427.000	46.11067526	9.34438792	7.83923721	2.47001022	2.66402432
2427.500	45.97716111	9.35824595	7.83894671	1.78000000	2.67563140
2428.000	47.49327142	9.34297808	7.83865621	2.62000000	2.66046223
2428.500	56.05854657	9.34369504	7.83836571	1.54000000	2.66783032
2429.000	59.44080375	9.34396552	7.83807521	1.06000000	2.68344864
2429.500	57.95822455	9.34393638	7.83778471	1.84000000	2.68477135
2430.000	53.11253964	9.34393638	7.83749421	2.62059701	2.65895433
2430.500	49.30304234	9.34391725	7.83720371	2.78000000	2.65790328
2431.000	47.78292068	9.34371140	7.83691321	2.30000000	2.66282315
2431.500	48.17912488	9.34538013	7.83662271	2.30000000	2.66556049
2432.000	51.43740966	9.32342765	7.83633221	2.86000000	2.65858862
2432.500	52.61550937	9.34565301	7.83604171	2.94000000	2.65412359
2433.000	52.95085504	9.34304094	7.83575121	2.30000000	2.66517454
2433.500	53.74360875	9.36520393	7.83546071	1.66000000	2.67379888
2434.000	54.04378881	9.36265920	7.83517021	1.34000000	2.68479978
2434.500	54.13589235	9.34368097	7.83487971	1.18000000	2.68556555
2435.000	56.31283053	9.34391994	7.83458921	1.26000000	2.68244395
2435.500	56.26075029	9.34392665	7.83429871	2.38000000	2.66720369
2436.000	53.79581298	9.34393638	7.83400821	2.42000000	2.66181827
2436.500	52.92295170	9.34393638	7.83371771	1.62000000	2.67736425
2437.000	55.85586401	9.34390291	7.83342721	1.38000000	2.68152682
2437.500	57.09395527	9.34381392	7.83313671	1.54000000	2.68152162
2438.000	61.51944025	9.34452557	7.83284621	2.30000000	2.66873274
2438.500	64.40228653	9.35888578	7.83255571	2.62861216	2.66062939
2439.000	65.05799484	9.36420314	7.83226521	1.82336278	2.66789291
2439.500	62.02166826	9.36392107	7.83197471	1.33986408	2.68063505
2440.000	60.33471413	9.36384624	7.83168421	1.58000000	2.68387374
2440.500	61.80624850	9.36347179	7.83139371	0.14000000	2.70072125
2441.000	66.31335486	9.36247275	7.83110321	0.26000000	2.70348064
2441.500	67.47902246	9.38307712	7.83081271	3.02000000	2.67382191
2442.000	62.09390681	9.38368834	7.83052221	3.98000000	2.64962693
2442.500	56.64030056	9.38238642	7.83023171	3.94000000	2.64443081
2443.000	56.41901780	9.40506407	7.82994121	1.66000000	2.67964679
2443.500	57.75217097	9.42933746	7.82965071	0.82000000	2.68488394
2444.000	59.75509584	9.60219193	7.82936021	6.86000000	2.59303932
2444.500	61.97035151	9.85455589	7.82906971	6.98000000	2.61962984
2445.000	63.95252197	9.87206089	7.82877921	5.74000000	2.59091596
2445.500	65.87180169	9.74066061	7.82848871	2.50000000	2.65679769
2446.000	66.36622520	9.64495158	7.82819821	2.94000000	2.65530524
2446.500	65.00539542	9.74874845	7.82790771	5.18000000	2.61231317
2447.000	62.21230565	9.62594511	7.82761721	5.58000000	2.61179990
2447.500	56.04383514	9.58457377	7.82732671	4.06000000	2.64368010
2448.000	49.53330537	9.43268468	7.82703621	1.50000000	2.66682932
2448.500	39.32337546	9.26367185	7.82674571	1.22800000	2.68011111
2449.000	36.53939990	9.22645770	7.82645521	1.66000000	2.67291272
2449.500	36.06918174	9.21159952	7.82616471	1.82000000	2.67826970
2450.000	40.70971589	9.20475396	7.82587421	1.16000000	2.68411505
2450.500	45.69171131	9.19185682	7.82558371	0.92000000	2.68457309
2451.000	47.57599079	9.18490999	7.82529321	1.52000000	2.67464490
2451.500	48.95984682	9.18489294	7.82500271	2.56000000	2.66428689
2452.000	49.36330335	9.18489843	7.82471221	3.36000000	2.65411365

2452.500	50.05922801	9.18501373	7.82442171	4.80272114	2.62517204
2453.000	51.29477368	9.18458986	7.82413122	4.78685604	2.62695164
2453.500	53.11076216	9.17490924	7.82384072	3.22335666	2.66053053
2454.000	54.57671740	9.14593941	7.82355022	2.03604632	2.67034178
2454.500	54.09803773	9.14684558	7.82325972	1.58152090	2.67508529
2455.000	50.98128955	9.14511256	7.82296922	1.29739812	2.68015967
2455.500	48.72235642	9.14511414	7.82267872	1.66000000	2.67599352
2456.000	49.06395138	9.14451053	7.82238822	0.90000000	2.68713361
2456.500	53.22971500	9.12703460	7.82209772	1.86000000	2.67472446
2457.000	57.98514256	9.12503822	7.82180722	2.30125264	2.66595093
2457.500	60.54209207	9.12603537	7.82151672	2.26210866	2.66690728
2458.000	60.57029731	9.09697693	7.82122622	1.89995248	2.66694011
2458.500	60.65542235	9.10634198	7.82093572	2.88000000	2.65656517
2459.000	61.70923761	9.08503164	7.82064522	3.00000000	2.65448722
2459.500	64.23598047	9.08567804	7.82035472	3.10000000	2.65329622
2460.000	69.59787325	9.08548434	7.82006422	2.86000000	2.65782500
2460.500	76.80602647	9.07886553	7.81977372	2.56000000	2.65954202
2461.000	77.57129174	9.06560643	7.81948322	3.56000000	2.64572199
2461.500	68.46810545	9.05235942	7.81919272	4.02000000	2.63550317
2462.000	61.71011680	9.04049238	7.81890222	4.22000000	2.64147323
2462.500	60.08664311	9.03002626	7.81861172	3.90000000	2.63602433
2463.000	57.53075447	9.01959402	7.81832122	3.28000000	2.64462700
2463.500	51.73666238	9.00932484	7.81803072	2.76000000	2.65399099
2464.000	49.18326770	9.00417503	7.81774022	1.98000000	2.67200844
2464.500	48.45263304	8.98679689	7.81744972	0.86000000	2.68650366
2465.000	46.90066882	8.98777642	7.81715922	1.43000000	2.67555423
2465.500	43.04083460	8.96402543	7.81686872	2.12000000	2.66762316
2466.000	41.29409117	8.94718762	7.81657822	1.46000000	2.68276400
2466.500	42.43396191	8.94764503	7.81628772	1.06000000	2.68380840
2467.000	46.11425278	8.92608162	7.81599722	1.50000000	2.67814280
2467.500	47.75238901	8.92661281	7.81570672	2.16000000	2.66740506
2468.000	48.61511936	8.92643150	7.81541622	2.58000000	2.66148687
2468.500	48.49097919	8.92644135	7.81512572	2.12000000	2.66835350
2469.000	47.38590641	8.92644135	7.81483522	1.94000000	2.67158904
2469.500	45.97647286	8.92644135	7.81454472	1.85971521	2.67157346
2470.000	43.73406700	8.92644135	7.81425422	1.93921833	2.67166547
2470.500	41.03216760	8.92644135	7.81396366	1.82371991	2.67363869
2471.000	38.00315888	8.92647877	7.81367251	0.98000000	2.68722854
2471.500	35.50502709	8.92680703	7.81338143	1.02000000	2.68366163
2472.000	34.14798325	8.92465869	7.81313123	1.34000000	2.68519984
2472.500	33.80642030	8.90759906	7.81321152	1.02000000	2.68888571
2473.000	34.31113783	8.90456230	7.81329648	1.78000000	2.67074603
2473.500	38.17782232	8.91837087	7.81338033	2.22000000	2.66446738
2474.000	43.55142161	8.92651610	7.81346390	2.61800000	2.65833612
2474.500	43.82121471	8.92780994	7.81354746	2.78000000	2.65390337
2475.000	41.62218895	8.90625380	7.81363103	2.90000000	2.65576035
2475.500	40.23880370	8.90669594	7.81371460	2.98000000	2.65184925
2476.000	39.81558647	8.90656794	7.81379817	2.42000000	2.66518270
2476.500	40.78542341	8.90717514	7.81388173	1.90000000	2.67035947
2477.000	42.14954008	8.92464786	7.81396530	1.76600000	2.67115921
2477.500	48.24764036	8.92680703	7.81404887	1.02000000	2.68432926
2478.000	55.267116483	8.92647877	7.81413243	1.06000000	2.68493783
2478.500	62.00624348	8.92644135	7.81421600	1.78000000	2.67542328
2479.000	67.60052776	8.92644135	7.81429957	1.53800000	2.67755242
2479.500	68.75286186	8.92644135	7.81438313	1.94000000	2.66877437
2480.000	66.81101796	8.92644135	7.81446670	2.70000000	2.65285541
2480.500	62.55824653	8.92644135	7.81455027	3.42000000	2.64675908
2481.000	48.81181603	8.92644135	7.81463384	3.24000000	2.64915414
2481.500	42.45488848	8.92644135	7.81471740	2.90000000	2.65719886
2482.000	45.80809096	8.92644135	7.81480097	2.44000000	2.66137950
2482.500	50.05589596	8.92644135	7.81488454	3.74000000	2.65294793
2483.000	44.63531541	8.92644135	7.81496810	5.67500000	2.63127863
2483.500	37.16015266	8.92644135	7.81505167	6.84000000	2.58324250
2484.000	32.31211457	8.92644135	7.81513524	6.40000000	2.58921228
2484.500	30.86765010	8.92647751	7.81521880	7.52000000	2.58070492
2485.000	36.73025514	8.92642419	7.81530237	6.80000000	2.58688256
2485.500	45.94010206	8.92582685	7.81538594	6.48000000	2.59204184
2486.000	49.11609846	8.90835412	7.81546951	6.08000000	2.59785439

2486.500	48.15984054	8.90619496	7.81555307	5.54000000	2.61757187
2487.000	40.74235676	8.90648581	7.81563664	4.68000000	2.63550222
2487.500	38.09746340	8.90618511	7.81572021	3.18000000	2.64720530
2488.000	43.15100521	8.90845201	7.81580377	2.92128406	2.65790499
2488.500	45.46142482	8.92516216	7.81588734	1.14757536	2.68650992
2489.000	43.37526040	8.94983576	7.81597091	-0.26351378	2.71730163
2489.500	40.50492882	8.98253974	7.81605447	-1.46000000	2.72957811
2490.000	38.91129992	9.01613742	7.81613804	-1.62000000	2.72871209
2490.500	36.74243577	9.02693729	7.81622161	0.06000000	2.70378617
2491.000	35.57050612	9.04591402	7.81630518	-0.44000000	2.70633084
2491.500	35.20266872	9.10539092	7.81638874	-1.06000000	2.72068603
2492.000	34.93918694	9.14433727	7.81647231	0.68000000	2.70148265
2492.500	36.75838150	9.19464385	7.81655588	1.06100480	2.69045929
2493.000	41.86534113	9.23369057	7.81663944	-0.26041990	2.71112423
2493.500	45.76583001	9.26425565	7.81672301	-0.64412918	2.71068582
2494.000	51.43846753	9.29349045	7.81680658	0.81764913	2.69031054
2494.500	57.41797924	9.35785233	7.81689014	1.71713191	2.67530330
2495.000	62.12795464	9.41011890	7.81697371	3.06324106	2.65575684
2495.500	64.87967522	9.47115000	7.81705728	3.38152312	2.64643302
2496.000	67.41338846	9.50220783	7.81714085	4.77951634	2.63008634
2496.500	67.54826698	9.53399289	7.81722441	4.23994311	2.64728465
2497.000	66.51901158	9.58110061	7.81730798	3.69515840	2.65724183
2497.500	63.69067605	9.62502251	7.81739155	5.19341443	2.61970952
2498.000	61.00361728	9.67871114	7.81747511	6.45261354	2.58894742
2498.500	58.90294961	9.71964859	7.81755868	9.06956187	2.55597524
2499.000	56.94180212	9.77979266	7.81764225	11.87087771	2.50750000
2499.500	55.60305720	9.79218437	7.81772581	17.25128197	2.41350000
2500.000	55.90764943	9.82238202	7.81780938	25.69572740	2.08281385
2500.500	62.86957063	9.89866141	7.81789295	26.77366052	2.07492361
2501.000	72.26125186	10.36114018	7.81797652	26.89994998	2.08413409
2501.500	78.57796200	12.10084452	7.81806008	27.02623945	2.14240311
2502.000	81.22175249	12.56218770	7.81814365	25.17454545	2.27790000
2502.500	82.82554363	11.68427865	7.81822722	19.57363636	2.36250000
2503.000	81.27962624	10.95210803	7.81831078	13.29200000	2.44218000
2503.500	77.62844328	11.18966936	7.81839435	10.17722090	2.52849943
2504.000	73.85947364	10.49656933	7.81847792	12.73709169	2.47976148
2504.500	70.55938260	10.86366120	7.81856148	16.77091133	2.41633497
2505.000	69.23372193	10.52697258	7.81864505	19.12589007	2.37436047
2505.500	68.36700197	10.53918363	7.81872862	25.84351377	2.28140554
2506.000	67.20927312	10.80646011	7.81881219	-999.25000000	2.17509568
2506.500	67.86619917	11.21086160	7.81889575	-999.25000000	2.11140605
2507.000	68.39768735	11.58302355	7.81897932	-999.25000000	2.10507522
2507.500	64.27380760	11.49163095	7.81906289	-999.25000000	2.09905865
2508.000	63.96275609	11.16946943	7.81914645	-999.25000000	2.09272167
2508.500	61.96771741	12.91712847	7.81923002	-999.25000000	2.16258722
2509.000	56.78857778	12.27598932	7.81931359	-999.25000000	2.18530015
2509.500	53.34565716	11.06217616	7.81939715	-999.25000000	2.12226741
2510.000	51.48751613	10.23248944	7.81948072	-999.25000000	-999.25000000
2510.500	51.79907577	10.23792086	7.81956429	-999.25000000	-999.25000000
2511.000	52.33146778	10.74828526	7.81964786	-999.25000000	-999.25000000
2511.500	52.60461539	12.65890721	7.81973142	-999.25000000	-999.25000000
2512.000	52.98485047	13.66709739	7.81981499	-999.25000000	2.23591667
2512.500	52.55462044	10.65916329	7.81989856	-999.25000000	2.66050000
2513.000	50.23175126	10.81925809	7.81998212	-999.25000000	2.62612500
2513.500	46.31109214	10.57133661	7.82006569	-999.25000000	2.57600000
2514.000	45.06723564	10.32200915	7.82014926	-999.25000000	2.59800000
2514.500	48.19438313	10.25648305	7.82023282	-999.25000000	2.60359797
2515.000	52.58583521	10.65929148	7.82031639	-999.25000000	2.54097569
2515.500	54.72611341	10.82631088	7.82039996	-999.25000000	2.45369338
2516.000	56.80796413	10.69414888	7.82048353	-999.25000000	2.41289340
2516.500	58.98797804	10.80581247	7.82056709	-999.25000000	2.39272757
2517.000	56.82716704	10.25613334	7.82065066	-999.25000000	2.30583539
2517.500	56.44466429	10.21498608	7.82073423	-999.25000000	2.22344017
2518.000	56.12275640	10.37405129	7.82081779	-999.25000000	2.20301493
2518.500	52.81975464	10.48472897	7.82090136	27.39000000	2.24315903
2519.000	46.77570494	11.18383154	7.82098493	19.46000000	2.33606978
2519.500	39.11085772	12.07345958	7.82106849	11.70500000	2.42122954
2520.000	32.61001659	10.86968520	7.82115206	6.05500000	2.59303790

2520.500	30.01624665	9.95492655	7.82123563	1.74457022	2.69770845
2521.000	32.01749114	9.90068570	7.82131920	1.15420558	2.68927659
2521.500	33.82412939	9.90154915	7.82140276	0.87302747	2.68860131
2522.000	35.65369867	9.88559921	7.82148633	0.62000000	2.69529503
2522.500	39.96232549	9.88031053	7.82156990	0.38000000	2.69616924
2523.000	41.66397709	9.88042559	7.82165346	1.10000000	2.68338029
2523.500	39.07241664	9.88204152	7.82173703	2.28000000	2.66985043
2524.000	39.11153653	9.85939124	7.82182060	2.58000000	2.66194260
2524.500	40.36050435	9.86034783	7.82190417	2.26000000	2.66532259
2525.000	42.14369034	9.83950660	7.82198773	1.98000000	2.67176397
2525.500	43.45966812	9.84109418	7.82207130	2.60000000	2.66065126
2526.000	45.17301047	9.85554677	7.82215487	2.58000000	2.67149981
2526.500	46.92647369	9.86615235	7.82223843	0.65943638	2.68919985
2527.000	50.44892592	9.88023049	7.82232200	1.82895229	2.67933573
2527.500	54.74705546	9.88083817	7.82240557	2.85316120	2.66071907
2528.000	57.56469210	9.88064521	7.82248913	2.16337211	2.66299140
2528.500	56.03027321	9.88032966	7.82257270	1.50000000	2.67998116
2529.000	53.56619147	9.88564702	7.82265627	1.34000000	2.67789292
2529.500	51.91607241	9.90000724	7.82273984	3.26000000	2.66032267
2530.000	52.99155749	9.90071455	7.82282340	4.24014963	2.64199231
2530.500	52.64058995	9.90012329	7.82290697	4.54000000	2.63612700
2531.000	50.90370029	9.90002718	7.82299054	5.02000000	2.62476140
2531.500	48.00884538	9.93506689	7.82307410	5.58000000	2.60994464
2532.000	45.85964706	9.96045428	7.82315767	6.30000000	2.59375909
2532.500	48.47854999	9.97893742	7.82324124	7.18000000	2.58114955
2533.000	49.27281506	10.01323625	7.82332480	7.94000000	2.56773925
2533.500	48.46149525	10.16570061	7.82340837	9.94000000	2.53520786
2534.000	50.82387211	10.38447749	7.82349194	17.10000000	2.42176881
2534.500	53.74445827	10.80919401	7.82357551	22.02171429	2.31234802
2535.000	54.72476600	10.97218301	7.82365907	25.50000000	2.27156201
2535.500	54.13261337	11.13172799	7.82374264	26.91045082	2.25389156
2536.000	52.02646040	11.17530107	7.82382621	26.83765895	2.24104113
2536.500	50.00550707	11.14836915	7.82390977	26.76486707	2.19420083
2537.000	50.17896084	11.03541106	7.82399334	26.69207520	2.13993610
2537.500	55.18571118	10.89356727	7.82407691	26.61928333	2.10622578
2538.000	56.45841896	11.42550707	7.82416047	26.54649145	-999.25000000
2538.500	55.67485123	12.18250005	7.82424404	26.47369958	-999.25000000
2539.000	52.25037160	12.73173129	7.82432761	26.40090770	-999.25000000
2539.500	51.39002092	13.52502877	7.82441118	26.32811583	-999.25000000
2540.000	53.52080121	12.93573036	7.82449474	26.25532395	-999.25000000
2540.500	55.54366457	14.31948287	7.82457831	26.18253208	-999.25000000
2541.000	55.83523241	-999.25000000	7.82466188	26.10974021	-999.25000000
2541.500	55.68024956	-999.25000000	7.82474544	26.03694591	-999.25000000
2542.000	55.95599043	-999.25000000	7.82482901	25.96415646	-999.25000000
2542.500	52.33087325	-999.25000000	7.82491258	25.89136458	-999.25000000
2543.000	47.75970044	14.07709266	7.82499614	25.82000000	2.21826667
2543.500	43.71859414	13.78311264	7.82507971	17.97272727	2.38650000
2544.000	42.46237669	11.98670859	7.82516328	10.33758429	2.56739862
2544.500	44.50420336	10.08274801	7.82524685	4.17362972	2.63756144
2545.000	45.46490695	10.00718449	7.82533041	3.51644348	2.65337956
2545.500	46.02968254	9.98291432	7.82541398	1.02000000	2.68162264
2546.000	47.64819560	9.97342358	7.82549755	0.66000000	2.68976326
2546.500	48.41252611	10.17857150	7.82558111	7.09200000	2.55015385
2547.000	47.60920780	10.53660931	7.82566468	7.82800000	2.56861551
2547.500	45.79603932	10.04305622	7.82574825	6.22000000	2.59691194
2548.000	44.47482230	10.04271485	7.82583181	5.86000000	2.60383878
2548.500	44.61657111	10.03878576	7.82591538	5.02000000	2.61963560
2549.000	46.90427388	10.19316011	7.82599895	4.26000000	2.62308272
2549.500	48.54069952	10.62050588	7.82608252	10.90400000	2.47788290
2550.000	49.64753658	10.94626523	7.82616608	16.38000000	2.43086312
2550.500	48.11727520	11.17437233	7.82624965	16.46000000	2.42952063
2551.000	45.24629767	11.23859133	7.82633322	14.40000000	2.45659501
2551.500	44.28805406	11.28945179	7.82641678	14.06258943	2.46555593
2552.000	45.11945091	11.30933211	7.82650035	16.23638000	2.43820042
2552.500	45.56264243	11.23978069	7.82658392	15.50397300	2.43544618
2553.000	45.39731831	11.15659985	7.82666748	16.68000000	2.44361795
2553.500	43.36411203	10.88816497	7.82675105	17.86000000	2.41033668
2554.000	35.70912578	10.37104682	7.82683462	14.48000000	2.40889074

2554.500	33.78694020	10.72885783	7.82691819	6.54238547	2.58856382
2555.000	34.74963260	9.73546726	7.82700175	2.40970193	2.66214780
2555.500	35.36444930	9.56411327	7.82708532	1.77229678	2.67155037
2556.000	35.00644106	9.56199315	7.82716889	2.26000000	2.66982101
2556.500	35.99735323	9.56244660	7.82725245	2.04000000	2.66755100
2557.000	39.12061718	9.56262425	7.82733602	1.20000000	2.67666086
2557.500	42.42628478	9.56262425	7.82741959	0.86000000	2.68837592
2558.000	43.99545652	9.56262425	7.82750315	1.02000000	2.68266614
2558.500	45.73396246	9.56262425	7.82758672	2.68000000	2.66580428
2559.000	48.55216972	9.56272822	7.82767029	3.56000000	2.64656810
2559.500	51.30514502	9.56298116	7.82775386	3.96000000	2.63749693
2560.000	56.59463377	9.55803824	7.82783742	5.94118227	2.62514864
2560.500	56.80045451	9.54469620	7.82792099	8.58000000	2.59234955
2561.000	52.58901268	9.52356199	7.82800456	11.42000000	2.54878538
2561.500	49.63884999	9.52090395	7.82808812	14.14000000	2.49098398
2562.000	48.39602304	9.54146982	7.82817169	15.70000000	2.44248795
2562.500	46.92852090	9.57696083	7.82825526	18.67400000	2.42088969
2563.000	44.18061097	10.00309248	7.82833882	21.10000000	2.35403357
2563.500	38.86237609	10.39177063	7.82842239	17.92675000	2.42968442
2564.000	34.70110701	10.12558523	7.82850596	12.99163906	2.49673333
2564.500	33.58879742	9.91677073	7.82858953	3.79015282	2.60112500
2565.000	34.42403316	9.61855614	7.82867309	4.01788198	2.67750000
2565.500	35.95622825	9.58982854	7.82875666	4.10000000	2.66890414
2566.000	36.24159001	9.44156622	7.82884023	1.66000000	2.67393778
2566.500	35.85823700	9.42355895	7.82892379	6.62000000	2.67932096
2567.000	34.32991792	9.42387730	7.82900736	5.98000000	2.58773687
2567.500	32.76153764	9.42017524	7.82909093	4.54000000	2.62884407
2568.000	31.20370050	9.35881093	7.82917449	6.60850000	2.63323810
2568.500	31.20022551	9.29432281	7.82925806	10.80575000	2.52331305
2569.000	33.18404773	9.28208618	7.82934163	15.54000000	2.45238751
2569.500	37.50689785	9.38391052	7.82942520	19.18000000	2.39280559
2570.000	43.74077925	10.01990964	7.82950876	22.30780883	2.32800000
2570.500	47.77165781	11.55153344	7.82959233	22.69791559	2.32450000
2571.000	49.00365396	10.87319432	7.82967590	26.17326732	2.25940000
2571.500	47.67023634	11.40225034	7.82975946	-999.25000000	2.14318475
2572.000	45.02246435	11.78656220	7.82984303	-999.25000000	-999.25000000
2572.500	44.55237081	12.23692778	7.82992660	-999.25000000	-999.25000000
2573.000	47.96026465	12.91693005	7.83001017	-999.25000000	-999.25000000
2573.500	49.61785135	13.51232015	7.83009373	-999.25000000	-999.25000000
2574.000	51.21740930	13.68223361	7.83017730	-999.25000000	-999.25000000
2574.500	53.79142741	12.22447088	7.83026087	-999.25000000	-999.25000000
2575.000	55.21530804	12.76828533	7.83034443	-999.25000000	-999.25000000
2575.500	54.97427820	13.53668725	7.83042800	-999.25000000	-999.25000000
2576.000	54.38009375	12.73448808	7.83051157	-999.25000000	-999.25000000
2576.500	56.68935548	12.55176069	7.83059513	-999.25000000	-999.25000000
2577.000	59.06307153	13.24522298	7.83067870	-999.25000000	-999.25000000
2577.500	60.99787478	13.05556732	7.83076227	-999.25000000	-999.25000000
2578.000	60.43820679	12.54219800	7.83084584	-999.25000000	-999.25000000
2578.500	56.21304788	12.65919341	7.83092940	22.53612500	2.10448752
2579.000	50.23946530	10.65673877	7.83101297	15.04950000	2.33910976
2579.500	43.43982263	10.12359397	7.83109654	7.56287500	2.58150000
2580.000	41.00008775	9.58876744	7.83118010	2.22000000	2.66450000
2580.500	42.15941791	9.44491681	7.83126367	2.22000000	2.66350000
2581.000	42.26038476	9.44273651	7.83134724	2.42000000	2.66200126
2581.500	43.37824308	9.44297815	7.83143080	1.98000000	2.67022331
2582.000	45.57229463	9.44296842	7.83151437	1.06000000	2.67887839
2582.500	43.97930234	9.44600485	7.83159794	1.86000000	2.65638805
2583.000	40.97426567	9.52862149	7.83168151	4.94000000	2.61222581
2583.500	35.94292132	9.43987875	7.83176507	2.62000000	2.61586353
2584.000	34.75384814	9.37957354	7.83184864	0.70000000	2.71654254
2584.500	33.93326208	9.43887006	7.83193221	3.86000000	2.67964894
2585.000	28.04990941	9.52546262	7.83201577	3.98000000	2.64289903
2585.500	26.90976094	9.31378434	7.83209934	2.03285084	2.67075456
2586.000	28.84483348	9.27914897	7.83218291	1.60039640	2.67513460
2586.500	32.13425649	9.26456054	7.83226647	1.79575365	2.67464437
2587.000	35.01592516	9.26428672	7.83235004	0.94174364	2.68946325
2587.500	37.93277968	9.26438004	7.83243361	0.73855187	2.68776154
2588.000	41.03928364	9.26441352	7.83251718	1.10614901	2.68821621

2588.500	42.21416944	9.26441352	7.83260074	1.70000000	2.67533859
2589.000	39.19473204	9.26441352	7.83268431	1.78000000	2.67290777
2589.500	35.22585406	9.26445236	7.83276788	1.38000000	2.67902815
2590.000	34.49874779	9.26426644	7.83285144	1.02000000	2.68567694
2590.500	35.01251721	9.26397192	7.83293501	0.83257358	2.68414463
2591.000	35.47706450	9.24408150	7.83301858	1.46521139	2.67877810
2591.500	37.03127407	9.20442607	7.83310214	2.08796566	2.66479535
2592.000	37.97138612	9.16414604	7.83318571	2.62000000	2.66260986
2592.500	39.33927125	9.16481171	7.83326928	1.38000000	2.67729555
2593.000	41.30256437	9.16500024	7.83335285	1.94000000	2.67325374
2593.500	39.86567752	9.16499081	7.83343641	3.54000000	2.65282166
2594.000	38.00351696	9.16492776	7.83351998	3.78000000	2.64939033
2594.500	40.04057246	9.16668296	7.83360355	1.90000000	2.66587511
2595.000	44.65628595	9.13891093	7.83368711	1.85486614	2.67014451
2595.500	48.90048803	9.12602384	7.83377068	3.10311676	2.65269637
2596.000	50.18883528	9.12524914	7.83385425	3.13499520	2.65321352
2596.500	48.43866652	9.12560108	7.83393781	2.98000000	2.64367384
2597.000	48.20997619	9.12024054	7.83402138	4.50000000	2.62943767
2597.500	50.54334071	9.10548035	7.83410495	5.22000000	2.61694136
2598.000	50.49134922	9.10538372	7.83418852	6.01400000	2.60114030
2598.500	43.78795936	9.17474332	7.83427208	7.22000000	2.57186949
2599.000	37.59669148	9.25019846	7.83435565	9.54000000	2.53102342
2599.500	28.03694223	9.18353031	7.83443922	9.62000000	2.56209552
2600.000	26.73997466	9.00611094	7.83452278	2.92000000	2.66859347
2600.500	27.26540641	9.00590283	7.83460635	-0.66000000	2.71378736
2601.000	28.72792140	8.98452164	7.83468992	-0.40634470	2.71238762
2601.500	28.23127595	8.98573819	7.83477348	0.35983734	2.70000474
2602.000	26.06554159	8.98611264	7.83485705	2.64670992	2.67350606
2602.500	21.92766271	8.98612234	7.83494062	3.30000000	2.65527496
2603.000	18.83458713	8.98592672	7.83502419	3.62000000	2.64720352
2603.500	17.14156043	8.98541020	7.83510775	2.98400000	2.65163564
2604.000	17.42710581	8.96473598	7.83519132	2.98000000	2.64965345
2604.500	20.64429604	8.96644666	7.83527489	3.42043199	2.64492600
2605.000	23.40765072	8.98118132	7.83535845	3.97973701	2.63652339
2605.500	25.13690274	8.98646954	7.83544202	4.05682098	2.63956814
2606.000	23.86017142	8.98618747	7.83552559	4.30000000	2.64355409
2606.500	23.15464971	8.98606437	7.83560915	4.58000000	2.65026490
2607.000	24.04869409	8.98589736	7.83569272	4.38000000	2.64766688
2607.500	23.79392075	8.98737047	7.83577629	4.82000000	2.62687417
2608.000	24.79677209	8.96491581	7.83585986	3.94000000	2.64375963
2608.500	25.82793597	8.96638893	7.83594342	2.82000000	2.66027106
2609.000	26.05966319	8.96622191	7.83602699	1.80451977	2.67155413
2609.500	24.87812736	8.96620278	7.83611056	1.03272257	2.68709539
2610.000	22.91410896	8.96620278	7.83619412	0.33335735	2.69753582
2610.500	20.65947380	8.96620278	7.83627769	-0.22468910	2.71142956
2611.000	18.42941274	8.96616931	7.83636126	-0.46712572	2.71178827
2611.500	18.08365074	8.96608032	7.83644482	-0.97255143	2.72714245
2612.000	21.89007673	8.96679197	7.83652839	-2.02000000	2.73573677
2612.500	26.89392828	8.98114784	7.83661196	-0.02000000	2.70705036
2613.000	28.74092437	8.98603525	7.83669553	1.30000000	2.68827642
2613.500	29.87450357	8.98546993	7.83677909	1.42000000	2.67605463
2614.000	31.20907262	9.01938073	7.83686266	1.02000000	2.68328619
2614.500	33.62416428	9.01438310	7.83694623	1.50000000	2.67888653
2615.000	34.47321369	9.05100755	7.83702979	1.22000000	2.67897422
2615.500	36.15989404	9.06437865	7.83711336	1.86000000	2.67254266
2616.000	41.80114226	9.07033178	7.83719693	2.69709091	2.66058982
2616.500	52.12156627	9.08825546	7.83728049	5.53594143	2.59520123
2617.000	58.63339757	9.13076487	7.83736406	8.51961941	2.51352681
2617.500	64.78379392	9.16390948	7.83744763	14.64656895	2.42906068
2618.000	68.99384435	9.27754501	7.83753120	20.42000000	2.37204759
2618.500	74.00834683	9.69901658	7.83761476	23.94000000	2.31648660
2619.000	76.17458890	10.08191070	7.83769833	18.77200000	2.30712077
2619.500	68.32724181	9.59703169	7.83778190	12.22000000	2.49001632
2620.000	60.59573249	9.35018862	7.83786546	12.80000000	2.48699390
2620.500	54.00792476	9.18299028	7.83794903	8.98672727	2.55618141
2621.000	53.71275218	9.08803674	7.83803260	5.44254545	2.63101559
2621.500	55.80383010	9.06356457	7.83811616	4.26000000	2.65804751
2622.000	58.07321819	9.06511391	7.83819973	4.74000000	2.63744599

2622.500	60.46834373	9.06544936	7.83828330	5.42000000	2.61558381
2623.000	62.17327164	9.06689334	7.83836687	4.98000000	2.61975799
2623.500	63.67690697	9.04446781	7.83845043	4.46000000	2.63004410
2624.000	65.20153846	9.04556648	7.83853400	3.82000000	2.63810022
2624.500	65.42527653	9.04437129	7.83861757	3.55831663	2.64629919
2625.000	63.13343390	9.06529271	7.83870113	2.78885434	2.65627713
2625.500	61.56778855	9.06671175	7.83878470	2.42413622	2.66052819
2626.000	63.58535896	9.04811617	7.83886827	2.93856495	2.65531634
2626.500	62.59109841	9.01966011	7.83895184	2.29511232	2.65989730
2627.000	59.92900196	9.00618334	7.83903540	1.52940497	2.67429487
2627.500	53.62258887	8.98402751	7.83911897	2.30000000	2.65886612
2628.000	43.10335407	8.97067315	7.83920254	2.18000000	2.66501245
2628.500	37.98906805	8.96751890	7.83928610	3.14000000	2.65658567
2629.000	35.36859172	8.93999981	7.83936967	2.34544248	2.66520857
2629.500	35.67444028	8.92721668	7.83945324	2.32996973	2.66554766
2630.000	37.79814218	8.92633802	7.83953680	2.07377845	2.66639381
2630.500	40.87629669	8.92640788	7.83962037	2.04903426	2.66767845
2631.000	44.03881894	8.92644135	7.83970394	2.70000000	2.65827604
2631.500	46.94929042	8.92659089	7.83978751	1.82000000	2.67060961
2632.000	45.25642480	8.92637682	7.83987107	1.26000000	2.67959897
2632.500	40.74458032	8.92751031	7.83995464	1.58000000	2.67681260
2633.000	39.77139218	8.75513227	7.84003821	0.62000000	2.69407394
2633.500	40.45546814	8.64075256	7.84012177	-0.10000000	2.70278130
2634.000	44.94584254	8.62862667	7.84020534	-0.55200000	2.71008711
2634.500	49.82731905	8.62804527	7.84028891	-0.82000000	2.71237402
2635.000	49.72524429	8.62819714	7.84037247	1.32000000	2.68942368
2635.500	47.16065043	8.62823062	7.84045604	1.90000000	2.67604436
2636.000	44.97764810	8.62821149	7.84053961	2.10000000	2.67066129
2636.500	43.45150430	8.62804447	7.84062318	2.42000000	2.66538804
2637.000	44.96366435	8.62966040	7.84070674	3.01200000	2.65584235
2637.500	42.82963410	8.60729219	7.84079031	3.78000000	2.64533010
2638.000	40.11687500	8.60296490	7.84087388	3.94000000	2.63470422
2638.500	41.90471422	8.56789128	7.84095744	3.61910090	2.64182447
2639.000	40.21927066	8.56782648	7.84104101	2.97700224	2.65463036
2639.500	38.95015757	8.56745493	7.84112458	2.10483714	2.67227649
2640.000	37.02927860	8.55307006	7.84120814	1.50000000	2.67940838
2640.500	39.14263835	8.58134554	7.84129171	1.32000000	2.68142503
2641.000	44.00183796	8.60982921	7.84137528	1.12000000	2.68831027
2641.500	46.98586046	8.60695686	7.84145885	0.92000000	2.68839946
2642.000	46.09498681	8.62757166	7.84154241	1.28000000	2.68374153
2642.500	44.18396987	8.62807384	7.84162598	0.64000000	2.69216408
2643.000	38.99066868	8.62826946	7.84170955	0.63889141	2.69783662
2643.500	35.63293430	8.62823062	7.84179311	1.21936292	2.68937006
2644.000	35.36964717	8.62823062	7.84187668	1.65968348	2.67601487
2644.500	35.61932305	8.62823062	7.84196025	1.38000000	2.68009521
2645.000	35.41430353	8.62824975	7.84204381	1.38000000	2.68056521
2645.500	35.58009663	8.62844590	7.84212738	1.78000000	2.67599926
2646.000	37.51394880	8.62661747	7.84221095	3.48000000	2.65980272
2646.500	38.97289228	8.64825924	7.84229452	1.68000000	2.68232562
2647.000	36.87735685	8.66605090	7.84237808	0.98000000	2.68849568
2647.500	35.54795565	8.68778967	7.84246165	1.02000000	2.68894206
2648.000	35.11274338	8.70783571	7.84254522	2.36000000	2.66435315
2648.500	35.01300246	8.74234579	7.84262878	2.00000000	2.66969951
2649.000	35.64777545	8.76625811	7.84271235	2.36000000	2.66431351
2649.500	38.46879510	8.80359122	7.84279592	2.30000000	2.66554143
2650.000	41.76450195	8.83431780	7.84287948	2.46000000	2.66541646
2650.500	42.11832951	8.86019451	7.84296305	1.66000000	2.67431330
2651.000	41.24573212	8.88773704	7.84304662	3.62000000	2.66418050
2651.500	43.13604543	8.92637559	7.84313019	5.28800000	2.62292993
2652.000	49.68733826	8.94955672	7.84321375	7.57733333	2.57793928
2652.500	59.97333934	9.06331677	7.84329732	12.30000000	2.53084825
2653.000	70.38382318	9.69225712	7.84338089	12.82000000	2.49309021
2653.500	72.94607453	9.84915284	7.84346445	6.34680000	2.59892913
2654.000	66.97095414	9.40391787	7.84354802	3.70550000	2.65105416
2654.500	57.98651504	9.27810482	7.84363159	2.26000000	2.66115437
2655.000	52.65910218	9.26519764	7.84371515	1.46000000	2.67682351
2655.500	44.57446316	9.27843094	7.84379872	0.81691213	2.68778333
2656.000	42.79311603	9.32443430	7.84388229	-0.46261778	2.70731534

2656.500	45.67845804	9.36059223	7.84396586	0.69712810	2.69605544
2657.000	48.07239139	9.39029015	7.84404942	1.46000000	2.68150660
2657.500	48.52685481	9.41766770	7.84413299	0.94000000	2.68191581
2658.000	50.12083251	9.45711890	7.84421656	2.94000000	2.68963950
2658.500	53.53360210	9.49876084	7.84430012	3.62000000	2.64442909
2659.000	56.31897701	9.54781444	7.84438369	3.46000000	2.64572056
2659.500	60.06245497	9.60950321	7.84446726	3.70000000	2.64324025
2660.000	60.89754394	9.70802620	7.84455082	3.50000000	2.64121256
2660.500	61.51510253	9.86500779	7.84463439	3.46000000	2.64717710
2661.000	62.23913080	9.94269016	7.84471796	6.30000000	2.59168234
2661.500	63.30739491	10.01849588	7.84480153	6.18000000	2.59869211
2662.000	63.29497616	10.14250182	7.84488509	6.46000000	2.58374795
2662.500	62.50878461	10.07833444	7.84496866	6.06000000	2.59800575
2663.000	61.18190586	10.05816765	7.84505223	6.30000000	2.59079167
2663.500	59.24139391	10.07790355	7.84513579	8.42000000	2.53404020
2664.000	58.36283612	10.11969467	7.84521936	10.46000000	2.54189007
2664.500	57.90202838	10.11921255	7.84530293	8.82000000	2.55000335
2665.000	57.33440340	10.14653841	7.84538649	9.34000000	2.54745564
2665.500	56.43675169	10.33427495	7.84547006	8.62000000	2.54254732
2666.000	55.36987213	10.45807999	7.84555363	12.68954301	2.51587337
2666.500	54.81688482	10.32616348	7.84563720	15.36748613	2.46195111
2667.000	53.50774664	10.44389787	7.84572076	18.30950808	2.41455805
2667.500	54.08597264	10.65401035	7.84580433	20.80865156	2.36456626
2668.000	56.28070110	10.69335382	7.84588790	22.58000000	2.33632206
2668.500	58.28303882	10.57266082	7.84597146	23.22000000	2.32089696
2669.000	59.44257990	10.73679675	7.84605503	20.30000000	2.35733781
2669.500	58.89154224	10.40442093	7.84613860	22.10993888	2.34389900
2670.000	57.35318300	11.21998429	7.84622216	22.42128660	2.33006335
2670.500	54.99054690	10.81872344	7.84630573	19.54000000	2.35528918
2671.000	54.23353807	10.78768694	7.84638930	21.61600000	2.37215506
2671.500	53.79390649	11.24001123	7.84647287	28.50000000	2.27341918
2672.000	53.61646838	11.90880231	7.84655643	28.82000000	2.22779436
2672.500	53.46756721	12.04124990	7.84664000	26.78000000	2.23950000
2673.000	51.47377658	11.54235873	7.84672357	22.69200000	2.29550000
2673.500	46.69220891	11.13446251	7.84680713	14.98000000	2.46750000
2674.000	37.71653595	9.97392258	7.84689070	6.44600000	2.60435853
2674.500	33.90168652	9.59317990	7.84697427	4.38000000	2.64428325
2675.000	35.27706888	9.53402710	7.84705783	5.46000000	2.60815047
2675.500	34.13676777	9.50826310	7.84714140	5.74000000	2.60548568
2676.000	31.78196675	9.50333289	7.84722497	6.78000000	2.60515350
2676.500	31.67907459	9.46721749	7.84730854	13.20355556	2.53278130
2677.000	38.76498660	9.48433659	7.84739210	20.22874552	2.30046293
2677.500	45.54681064	9.50250412	7.84747567	24.97593855	2.14996993
2678.000	51.04259293	9.77149615	7.84755924	25.50652522	2.19588781
2678.500	53.22090227	10.04675445	7.84764280	26.02000000	2.23157955
2679.000	52.81680974	10.62260464	7.84772637	21.20880000	2.26645455
2679.500	49.57318405	10.57692726	7.84780994	14.22000000	2.30450000
2680.000	44.90841007	10.33982643	7.84789351	12.86000000	2.49288730
2680.500	33.58830736	10.07121189	7.84797707	10.66525000	2.48933933
2681.000	33.39457555	9.35741356	7.84806064	5.95300000	2.57323454
2681.500	38.79507088	9.27840717	7.84814421	3.49884950	2.69367463
2682.000	40.17216246	9.26443216	7.84822777	3.50225286	2.67134826
2682.500	39.83007867	9.25895463	7.84831134	5.39920402	2.61926913
2683.000	39.80831486	9.24507492	7.84839491	7.37606406	2.56433543
2683.500	38.62880233	9.26218636	7.84847847	11.61160000	2.50816409
2684.000	31.18466439	9.40454087	7.84856204	14.82000000	2.44795755
2684.500	19.58810389	9.65686910	7.84864561	10.77228571	2.51865776
2685.000	14.76139175	9.04208135	7.84872918	1.62000000	2.66967304
2685.500	13.04592127	8.93042216	7.84881274	0.06000000	2.69916275
2686.000	12.25972298	8.92546606	7.84889631	-0.30000000	2.71352632
2686.500	11.92855111	8.92656256	7.84897988	-0.54000000	2.71497037
2687.000	12.13588318	8.92785264	7.84906344	-0.06000000	2.70978810
2687.500	12.66907646	8.90758283	7.84914701	0.46000000	2.69775454
2688.000	13.55707985	8.90601842	7.84923058	0.82000000	2.68757220
2688.500	15.41791668	8.87148665	7.84931414	0.67500000	2.68833240
2689.000	17.74710600	8.83288356	7.84939771	0.26000000	2.69737270
2689.500	19.92066296	8.80610472	7.84948128	0.06000000	2.70326489
2690.000	20.71883259	8.79153267	7.84956485	0.06000000	2.70085108

2690.500	21.11835695	8.76804214	7.84964841	0.90000000	2.69010781
2691.000	21.64831912	8.76769637	7.84973198	1.86000000	2.67621843
2691.500	23.31890157	8.76283449	7.84981555	2.74000000	2.66317063
2692.000	25.69193935	8.74929166	7.84989911	4.02000000	2.63199444
2692.500	28.19998895	8.72707833	7.84998268	7.66061074	2.57947221
2693.000	33.99677509	8.70442635	7.85006625	10.04779638	2.52727129
2693.500	42.36198181	8.71197753	7.85014981	11.41098355	2.51019364
2694.000	59.08436121	9.01886972	7.85023338	16.78800000	2.43397091
2694.500	60.34515278	9.48368891	7.85031695	18.46000000	2.39617098
2695.000	60.09892763	9.49224621	7.85040052	17.54000000	2.40799111
2695.500	55.49467335	9.36766360	7.85048408	19.66000000	2.39072876
2696.000	46.48207174	9.22785803	7.85056765	16.46685714	2.37663675
2696.500	38.92832310	9.30130254	7.85065122	10.56171429	2.49903318
2697.000	35.22395558	8.97247715	7.85073478	1.10000000	2.64580000
2697.500	35.64541497	8.79191470	7.85081835	1.14000000	2.68350000
2698.000	40.47333145	8.76162564	7.85090192	1.02000000	2.67050000
2698.500	45.46005763	8.74796549	7.85098548	2.14000000	2.66650000
2699.000	47.88790779	8.74735361	7.85106905	1.18000000	2.68220213
2699.500	48.17915143	8.74748144	7.85115262	1.42000000	2.68155776
2700.000	47.26194448	8.74751491	7.85123619	1.82000000	2.67159557
2700.500	46.42956355	8.74748144	7.85131975	2.30000000	2.66557376
2701.000	47.44477309	8.74739245	7.85140332	1.84000000	2.66981193
2701.500	48.25583901	8.74813323	7.85148689	1.90000000	2.66662400
2702.000	48.82442797	8.76211900	7.85157045	2.72000000	2.65596910
2702.500	48.72428505	8.76644733	7.85165402	2.44000000	2.66126776
2703.000	49.23008139	8.78620903	7.85173759	3.12000000	2.64803183
2703.500	49.71943593	8.78706219	7.85182115	3.48000000	2.64734478
2704.000	48.49536432	8.78540751	7.85190472	2.30000000	2.66765174
2704.500	50.10027696	8.78749185	7.85198829	2.14000000	2.66800287
2705.000	51.40016023	8.78604734	7.85207186	1.82000000	2.66873648
2705.500	52.44829533	8.80844403	7.85215542	2.58000000	2.66037048
2706.000	55.72010561	8.80697091	7.85223899	3.22000000	2.65305845
2706.500	71.07069301	8.80713793	7.85232256	4.30000000	2.63643808
2707.000	80.63472700	8.80713793	7.85240612	5.22000000	2.61923928
2707.500	83.11358388	8.80694178	7.85248969	5.66000000	2.60886796
2708.000	81.64935971	8.80877021	7.85257326	5.60000000	2.61192048
2708.500	69.42556328	8.78722001	7.85265689	5.02000000	2.62185958
2709.000	53.36956047	8.77010029	7.85274069	5.22000000	2.62165503
2709.500	45.22405498	8.74354950	7.85282362	5.04000000	2.62481564
2710.000	40.39230026	8.68260126	7.85287158	4.18000000	2.66345506
2710.500	37.38386409	8.64604285	7.85281965	0.82000000	2.69546446
2711.000	35.94764751	8.64720606	7.85277087	0.54000000	2.69445816
2711.500	35.02157568	8.62692282	7.85272216	2.54835255	2.66491413
2712.000	34.80906041	8.62788531	7.85267347	3.41867069	2.65023097
2712.500	37.10008994	8.62825975	7.85262477	3.46900628	2.64613904
2713.000	39.73883125	8.62823062	7.85257608	3.13499776	2.65185743
2713.500	40.38857626	8.62823062	7.85252739	3.05300340	2.65184653
2714.000	35.01198349	8.62826946	7.85247869	3.29224254	2.65040947
2714.500	33.51622911	8.62807384	7.85243000	3.34000000	2.64954547
2715.000	36.46690913	8.62761993	7.85238131	3.26000000	2.65010135
2715.500	43.50889234	8.60666025	7.85233262	2.98000000	2.65318607
2716.000	49.03696271	8.60666025	7.85228392	3.33620738	2.65061191
2716.500	57.42089346	8.62761993	7.85223523	2.92894925	2.65253010
2717.000	56.14801760	8.62794413	7.85218654	2.94650887	2.65351408
2717.500	47.56889490	8.62806716	7.85213784	3.38780637	2.64979192
2718.000	42.35817613	8.63463408	7.85208915	3.05001808	2.64951184
2718.500	41.50320623	8.62649059	7.85204046	3.90288007	2.64307584
2719.000	44.71605146	8.65054832	7.85199176	3.98486126	2.63750116
2719.500	48.15271319	8.66892873	7.85194307	4.01625196	2.63460915
2720.000	49.09873280	8.67625815	7.85189438	3.34753479	2.64620426
2720.500	48.40751727	8.70249919	7.85184568	2.82000000	2.65418910
2721.000	46.44443963	8.70659984	7.85179699	2.38000000	2.66438549
2721.500	42.29982726	8.72711370	7.85174830	1.34000000	2.68207156
2722.000	38.41305832	8.72747742	7.85169960	1.78000000	2.67668520
2722.500	35.32842748	8.72767303	7.85165091	2.42000000	2.66220052
2723.000	35.58689195	8.72763419	7.85160222	2.58000000	2.65812722
2723.500	36.60368427	8.72759536	7.85155352	1.90000000	2.66977749
2724.000	36.80295301	8.72782011	7.85150483	1.78000000	2.67108445

2724.500	37.13538202	8.72792872	7.85145614	3.46000000	2.65536150
2725.000	36.83368338	8.74754405	7.85140744	4.70616396	2.63569767
2725.500	37.08561027	8.76666914	7.85135875	5.57487912	2.61143966
2726.000	39.61862135	8.76596412	7.85131006	5.99623495	2.59898114
2726.500	45.27602308	8.78614529	7.85126136	4.82517904	2.62801872
2727.000	57.92298025	8.85518310	7.85121267	7.26721279	2.56327340
2727.500	65.94755892	8.99997258	7.85116398	9.75191900	2.54188249
2728.000	66.43673304	9.11082167	7.85111528	9.84632935	2.55200958
2728.500	63.75617914	9.01932999	7.85106659	6.08114810	2.60370054
2729.000	61.29759881	8.96923314	7.85101790	5.69092381	2.60896642
2729.500	58.94438520	8.94547541	7.85096920	5.55935961	2.60495049
2730.000	54.69360092	8.91201347	7.85092051	4.54000000	2.64695954
2730.500	51.28501785	8.90770486	7.85087182	3.42000000	2.63713844
2731.000	49.61650645	8.88717694	7.85082313	3.14000000	2.63730229
2731.500	48.46073727	8.88685583	7.85077443	3.22000000	2.64943000
2732.000	47.34479581	8.88682722	7.85072574	3.54000000	2.64433395
2732.500	46.65864576	8.88539295	7.85067705	3.02000000	2.65619968
2733.000	46.91353587	8.90784761	7.85062835	2.22000000	2.66358844
2733.500	48.80770172	8.90637449	7.85057966	3.18000000	2.65107854
2734.000	48.15204411	8.90654151	7.85053097	3.42000000	2.65202650
2734.500	47.04463710	8.90656064	7.85048227	2.22000000	2.66529903
2735.000	46.72041588	8.90656064	7.85043358	1.74000000	2.67239422
2735.500	48.80391089	8.90656064	7.85038489	2.54000000	2.66163137
2736.000	52.26811143	8.90656064	7.85033619	2.30000000	2.66136302
2736.500	53.55792781	8.90656064	7.85028750	3.18000000	2.65245315
2737.000	54.38335773	8.90656064	7.85023881	3.30000000	2.65053812
2737.500	55.91078142	8.90656064	7.85019011	2.70000000	2.65660350
2738.000	56.82322679	8.90652180	7.85014142	4.02000000	2.64735858
2738.500	55.93541469	8.90682138	7.85009273	4.10000000	2.64560426
2739.000	54.41888021	8.90755303	7.85004403	3.06000000	2.65040358
2739.500	52.70728868	8.92283588	7.84999534	2.82000000	2.65128924
2740.000	51.00813082	8.90847035	7.84994665	2.42000000	2.66144998
2740.500	48.28499362	8.91642711	7.84989795	2.36000000	2.66256967
2741.000	46.03409133	8.90750239	7.84984926	2.22000000	2.66346253
2741.500	46.93977493	8.90654214	7.84980057	1.62000000	2.67251479
2742.000	48.56439715	8.90652716	7.84975187	3.32000000	2.65669951
2742.500	48.45622118	8.90656064	7.84970318	2.90000000	2.64901589
2743.000	49.35246640	8.90656064	7.84965449	2.66000000	2.65595134
2743.500	51.10431620	8.90666460	7.84960579	3.56000000	2.64894222
2744.000	49.57696518	8.90694668	7.84955710	3.64000000	2.64347615
2744.500	45.19877447	8.90162932	7.84950841	3.16000000	2.64448584
2745.000	43.27910339	8.88726910	7.84945971	1.68000000	2.67550440
2745.500	43.48141142	8.88655746	7.84941102	2.00000000	2.67408827
2746.000	44.85265419	8.88664645	7.84936233	2.14000000	2.66692644
2746.500	46.68168258	8.88667992	7.84931364	1.13650950	2.68007272
2747.000	48.26853117	8.88667992	7.84926494	2.47654837	2.68148834
2747.500	51.48503325	8.88656161	7.84921625	3.92184733	2.65324664
2748.000	54.16969117	8.88625359	7.84916756	4.18511244	2.63303218
2748.500	49.37175487	8.89166596	7.84911886	2.70000000	2.65470121
2749.000	44.63042025	8.95184043	7.84907017	3.02000000	2.65144897
2749.500	36.08335085	8.91486299	7.84902148	2.48000000	2.66241522
2750.000	31.99283556	8.65335382	7.84897278	1.70000000	2.67325633
2750.500	31.68750290	8.62628940	7.84892409	1.86800000	2.67510970
2751.000	30.83424824	8.60503715	7.84887540	1.98000000	2.67621406
2751.500	30.53566598	8.62721201	7.84882670	1.02000000	2.68397667
2752.000	30.78614068	8.62812211	7.84877801	1.26000000	2.68529975
2752.500	33.16170354	8.62843647	7.84872932	0.22000000	2.69126355
2753.000	36.13827047	8.62675750	7.84868062	1.42000000	2.68261229
2753.500	39.79513872	8.65058131	7.84863193	2.58000000	2.66265115
2754.000	42.01320862	8.62637146	7.84858324	2.70000000	2.65878697
2754.500	44.87904876	8.63336779	7.84853454	2.74000000	2.65467852
2755.000	47.68764643	8.64741389	7.84848585	5.00000000	2.61578888
2755.500	48.78493627	8.64758285	7.84843716	5.10000000	2.62655569
2756.000	45.69916613	8.62649879	7.84838846	4.10000000	2.63869838
2756.500	45.18230096	8.61198586	7.84833977	1.38000000	2.67845780
2757.000	45.10006052	8.60820375	7.84829108	1.69600000	2.67610274
2757.500	44.60452152	8.60830423	7.84824238	1.90000000	2.67175293
2758.000	43.33398476	8.60834332	7.84819369	1.38000000	2.68138357

2758.500	40.55885268	8.60834990	7.84814500	0.94000000	2.68630560
2759.000	38.82156314	8.60834990	7.84809630	2.06000000	2.67037301
2759.500	37.81646186	8.60834990	7.84804761	1.46000000	2.67462435
2760.000	37.36042988	8.60834990	7.84799892	0.66000000	2.68767462
2760.500	37.71986406	8.60834990	7.84795023	-0.74000000	2.71187616
2761.000	38.99707326	8.60834990	7.84790153	-0.74000000	2.71756387
2761.500	39.89474347	8.60834990	7.84785284	-0.34000000	2.70955112
2762.000	41.58709778	8.60834990	7.84780415	1.34000000	2.68951991
2762.500	44.10974549	8.60834990	7.84775545	1.86054995	2.67620339
2763.000	45.54027133	8.60834990	7.84770676	1.77818206	2.67541775
2763.500	40.65543152	8.60834990	7.84765807	0.86000000	2.68205595
2764.000	35.39466719	8.60834990	7.84760937	1.14000000	2.68690124
2764.500	35.38808286	8.60834990	7.84756068	1.34000000	2.68390962
2765.000	36.44252728	8.60834990	7.84751199	1.02000000	2.68475424
2765.500	38.19891062	8.60834990	7.84746329	1.46000000	2.68210316
2766.000	41.05491825	8.60834990	7.84741460	2.10000000	2.66785299
2766.500	42.22791741	8.60834990	7.84736591	1.14000000	2.68371012
2767.000	42.20631874	8.60834990	7.84731721	1.78000000	2.67679490
2767.500	42.20723908	8.60834990	7.84726852	1.90000000	2.67616728
2768.000	41.49817093	8.60834990	7.84721983	0.86000000	2.68823227
2768.500	40.28852070	8.60834990	7.84717113	-0.10000000	2.70124493
2769.000	39.29063999	8.60839095	7.84712244	-0.14000000	2.70594407
2769.500	38.43218992	8.60796895	7.84707375	0.58000000	2.68995942
2770.000	35.47824683	8.60737273	7.84702505	1.46000000	2.67998683
2770.500	31.32061335	8.60935912	7.84697636	1.76000000	2.67354692
2771.000	31.76399787	8.62971670	7.84692767	2.34000000	2.66009221
2771.500	34.00396993	8.62314929	7.84687897	3.32000000	2.64852432
2772.000	35.95338626	8.60856938	7.84683028	3.38000000	2.64534391
2772.500	36.79812173	8.60688309	7.84678159	3.02000000	2.64661361
2773.000	36.24643092	8.62755731	7.84673289	2.60000000	2.66054909
2773.500	34.53103820	8.62807384	7.84668420	2.24000000	2.66628672
2774.000	32.10997020	8.62826946	7.84663551	3.72000000	2.64033254
2774.500	30.79918816	8.62826946	7.84658681	3.61959232	2.64267344
2775.000	32.61959413	8.62810297	7.84653812	3.23818810	2.64843529
2775.500	36.84697356	8.62724548	7.84648943	3.97855634	2.64059136
2776.000	43.08785938	8.60566121	7.84644074	5.00019794	2.62650002
2776.500	48.52652599	8.62724548	7.84639204	5.56000000	2.60707777
2777.000	55.43056322	8.62810297	7.84634335	5.36000000	2.61545184
2777.500	61.88239382	8.62826946	7.84629466	5.68000000	2.60743144
2778.000	61.90126973	8.62823062	7.84624596	5.28000000	2.60693456
2778.500	51.39773150	8.62823062	7.84619727	3.96000000	2.63608472
2779.000	43.73820844	8.62823062	7.84614858	3.12000000	2.65311275
2779.500	41.61840853	8.62823062	7.84609988	2.74000000	2.65936059
2780.000	41.65016772	8.62823062	7.84605119	3.18000000	2.65331692
2780.500	45.40276521	8.62823062	7.84600250	3.46000000	2.64758205
2781.000	51.57868733	8.62823062	7.84595380	3.62307490	2.64451439
2781.500	51.17345221	8.62821149	7.84590511	4.17757830	2.63531836
2782.000	47.76284793	8.62804447	7.84585642	3.93734962	2.63536847
2782.500	42.24971880	8.62951759	7.84580772	2.87507049	2.65238436
2783.000	39.61261446	8.60706293	7.84575903	2.24655956	2.66638580
2783.500	38.85446423	8.60853604	7.84571034	0.58177767	2.69141931
2784.000	40.10082515	8.60836903	7.84566164	0.02000000	2.70019084
2784.500	42.17552870	8.60834990	7.84561295	0.30000000	2.69746837
2785.000	44.97665603	8.60834990	7.84556426	0.50000000	2.69476184
2785.500	47.29462994	8.60834990	7.84551556	1.10000000	2.68550053
2786.000	47.83453151	8.60834990	7.84546687	1.54000000	2.67751125
2786.500	46.10872922	8.60834990	7.84541818	0.50000000	2.68760064
2787.000	43.14760882	8.60832076	7.84536948	-0.02000000	2.70456328
2787.500	41.50844269	8.60869521	7.84532079	0.62000000	2.68957612
2788.000	38.71069109	8.60969424	7.84527210	1.74000000	2.67496956
2788.500	36.69739657	8.58910901	7.84522340	1.50000000	2.67667949
2789.000	37.08870258	8.58862596	7.84517471	1.42000000	2.67238377
2789.500	40.19478972	8.58843035	7.84512602	2.02000000	2.66876314
2790.000	45.08433279	8.58846918	7.84507733	3.86000000	2.64782489
2790.500	50.15059649	8.58846918	7.84502863	4.74000000	2.63024091
2791.000	50.77973727	8.58846918	7.84497994	4.70000000	2.62532011
2791.500	49.39603298	8.58846918	7.84493125	4.14000000	2.63835838
2792.000	46.48970242	8.58850802	7.84488255	2.99671338	2.66000735

2792.500	36.01856646	8.58831241	7.84483386	1.04964428	2.67450234
2793.000	25.95634880	8.58782936	7.84478517	1.35112547	2.67880084
2793.500	17.37770621	8.56724413	7.84473647	1.53703579	2.68259231
2794.000	14.54363000	8.56824316	7.84468778	0.90006589	2.68953827
2794.500	15.36938925	8.56861761	7.84463909	0.89635116	2.68887718
2795.000	17.93802458	8.56858847	7.84459039	1.46000000	2.68136848
2795.500	22.82742180	8.56858847	7.84454170	2.82000000	2.66099740
2796.000	27.79350335	8.56856934	7.84449301	2.26000000	2.66042693
2796.500	31.35052593	8.56840233	7.84444431	3.42000000	2.65142621
2797.000	35.05042973	8.56987544	7.84439562	2.90000000	2.64888407
2797.500	36.54609733	8.54742078	7.84434693	2.02000000	2.66592181
2798.000	36.31442238	8.54889390	7.84429823	2.58000000	2.66106264
2798.500	37.63394879	8.54872688	7.84424954	1.30000000	2.67620829
2799.000	40.20565602	8.54870775	7.84420085	1.06000000	2.68358296
2799.500	42.55189047	8.54870775	7.84415215	1.02000000	2.68459552
2800.000	45.10989787	8.54870775	7.84410346	1.24000000	2.68673731
2800.500	48.65123848	8.54870775	7.84405477	1.74000000	2.67972533
2801.000	52.93455530	8.54870775	7.84400607	2.98000000	2.66796136
2801.500	61.23232878	8.54870775	7.84395738	3.02000000	2.65420198
2802.000	66.22581559	8.54870775	7.84390869	2.90000000	2.65467416
2802.500	62.67067150	8.54870775	7.84385999	2.31146600	2.66346623
2803.000	52.27585916	8.54870775	7.84381130	1.28871201	2.67910870
2803.500	44.02251058	8.54870775	7.84376261	0.85398908	2.68767097
2804.000	42.24398695	8.54870775	7.84371391	1.02000000	2.68628560
2804.500	41.87010599	8.54867862	7.84366522	1.26000000	2.68229753
2805.000	41.93244706	8.54905306	7.84361653	1.42000000	2.67858712
2805.500	40.62373483	8.55005210	7.84356784	0.90000000	2.68435024
2806.000	38.98545392	8.52946687	7.84351914	0.86000000	2.68565182
2806.500	38.84760166	8.52895468	7.84347045	1.18000000	2.68175454
2807.000	41.80794497	8.52915263	7.84342176	1.22000000	2.68152907
2807.500	49.82356798	8.53035753	7.84337306	1.38000000	2.68086792
2808.000	54.24049128	8.50829918	7.84332437	1.66000000	2.67382957
2808.500	54.43836585	8.53027079	7.84327568	2.38000000	2.66232806
2809.000	52.61118131	8.52860205	7.84322698	3.10000000	2.65151626
2809.500	49.37198148	8.52880791	7.84317829	3.42000000	2.64886289
2810.000	44.38814512	8.52882704	7.84312960	1.70000000	2.67647915
2810.500	37.53149112	8.52882704	7.84308090	0.78000000	2.68461399
2811.000	32.01601474	8.52882704	7.84303221	0.34000000	2.69156165
2811.500	28.50010365	8.52882704	7.84298352	-0.70000000	2.71324112
2812.000	27.84864435	8.52882704	7.84293482	0.66000000	2.71265964
2812.500	27.92988193	8.52882704	7.84288613	0.18000000	2.68425952
2813.000	28.44909361	8.52882704	7.84283744	0.86000000	2.68957782
2813.500	29.77664826	8.52882704	7.84278874	1.73295774	2.67371685
2814.000	36.68889335	8.52882704	7.84274005	1.97384661	2.67156464
2814.500	40.11138220	8.52882704	7.84269136	2.87727137	2.65498806
2815.000	39.04812600	8.52882704	7.84264266	2.82000000	2.65334269
2815.500	35.91637196	8.52882704	7.84259397	3.06000000	2.65529965
2816.000	33.07158293	8.52882704	7.84254528	2.34000000	2.66652539
2816.500	33.27042132	8.52885618	7.84249658	2.18000000	2.66079652
2817.000	36.30011914	8.52850086	7.84244789	2.53901587	2.65832654
2817.500	41.64518059	8.52763000	7.84239920	1.86041563	2.67053395
2818.000	44.95799303	8.54693773	7.84235050	1.74000000	2.67055859
2818.500	48.14024136	8.57032935	7.84230181	2.81800000	2.66089575
2819.000	53.82066802	8.59001153	7.84225312	3.30000000	2.65126592
2819.500	59.14639777	8.59010086	7.84220442	2.66000000	2.65928993
2820.000	58.20097080	8.56935594	7.84215573	3.02000000	2.65209976
2820.500	53.09942446	8.56938508	7.84210704	2.06000000	2.66748771
2821.000	50.76012529	8.58977469	7.84205835	1.20329230	2.67906289
2821.500	49.34885377	8.58881449	7.84200965	1.22328864	2.67753415
2822.000	47.28741418	8.58844005	7.84196096	2.14038651	2.66740759
2822.500	42.64044250	8.58850266	7.84191227	2.38258040	2.66728711
2823.000	36.63397725	8.58859165	7.84186357	1.86000000	2.67191593
2823.500	31.81572683	8.58785086	7.84181488	1.82000000	2.67201994
2824.000	27.84969452	8.57386509	7.84176619	2.86000000	2.65585733
2824.500	24.96088982	8.56954677	7.84171749	3.50000000	2.64455426
2825.000	23.78645076	8.54928245	7.84166880	2.86000000	2.65322482
2825.500	23.89213559	8.54870775	7.84162011	2.06000000	2.66907259
2826.000	27.57147296	8.54792512	7.84157141	3.22000000	2.64874048

2826.500	28.55495461	8.52711578	7.84152272	3.30000000	2.64845286
2827.000	27.59764822	8.53356572	7.84147403	3.30000000	2.64945801
2827.500	27.38967992	8.54673827	7.84142533	3.14000000	2.65192949
2828.000	28.43384695	8.57062056	7.84137664	2.58000000	2.66192111
2828.500	30.31532841	8.58354650	7.84132795	1.82000000	2.67229656
2829.000	32.24073700	8.58807100	7.84127925	1.70000000	2.67399415
2829.500	36.54505125	8.57279778	7.84123056	2.22000000	2.66382898
2830.000	40.75858688	8.54823087	7.84118187	2.46000000	2.66405893
2830.500	47.47882836	8.52696833	7.84113317	2.14000000	2.66302751
2831.000	52.46006422	8.52963150	7.84108448	3.10000000	2.64785739
2831.500	51.66606943	8.54379556	7.84103579	3.26000000	2.65241086
2832.000	45.90798712	8.54909380	7.84098709	2.65227091	2.65654447
2832.500	44.88613522	8.54880171	7.84093840	4.18384941	2.63732050
2833.000	45.42702921	8.54923920	7.84088971	4.49173268	2.63254650
2833.500	43.64929793	8.54876512	7.84084101	4.14000000	2.63478648
2834.000	38.88346493	8.55063455	7.84079232	4.54000000	2.63040313
2834.500	33.80301458	8.54867839	7.84074363	4.02000000	2.63022889
2835.000	34.28736770	8.54864978	7.84069494	3.47712224	2.64642357
2835.500	35.98614884	8.54870775	7.84064624	3.42128934	2.64464882
2836.000	37.12964889	8.54870775	7.84059755	3.49904520	2.63966663
2836.500	36.01503141	8.54870775	7.84054886	3.50000000	2.64365753
2837.000	33.91134614	8.54870775	7.84050016	3.30000000	2.64890438
2837.500	31.67689994	8.54870775	7.84045147	2.90000000	2.65665533
2838.000	29.63967281	8.54870775	7.84040278	2.66000000	2.65994963
2838.500	27.94252986	8.54870775	7.84035408	2.26000000	2.66753079
2839.000	27.26206650	8.54870775	7.84030539	1.65960000	2.67560412
2839.500	27.88784648	8.54870775	7.84025670	1.82000000	2.67439519
2840.000	31.08820407	8.54870775	7.84020800	1.42000000	2.68161037
2840.500	33.90315358	8.54870775	7.84015931	1.10000000	2.67913325
2841.000	34.07806846	8.54867862	7.84011062	1.58000000	2.67418175
2841.500	32.10526469	8.54905306	7.84006192	2.06000000	2.66577223
2842.000	31.10451557	8.55005210	7.84001323	2.62000000	2.65965616
2842.500	31.10631286	8.52946687	7.83996454	2.94000000	2.65550125
2843.000	32.69784902	8.52898382	7.83991584	3.22000000	2.64867703
2843.500	34.47403733	8.52878820	7.83986715	3.30000000	2.64842894
2844.000	34.08772391	8.52882704	7.83981846	2.99400000	2.65020232
2844.500	33.31774468	8.52882704	7.83976976	2.62000000	2.65887119
2845.000	34.66809171	8.52882704	7.83972107	1.02000000	2.69180436
2845.500	35.87908322	8.52882704	7.83967238	0.86000000	2.68340935
2846.000	35.12660120	8.52882704	7.83962368	1.72132663	2.67118124
2846.500	33.42823392	8.52882704	7.83957499	2.59099717	2.65775679
2847.000	32.66275665	8.52882704	7.83952630	3.00735494	2.64874795
2847.500	33.92738909	8.52885618	7.83947760	3.69507556	2.63986297
2848.000	42.82563249	8.52848173	7.83942891	3.88089275	2.65077922
2848.500	47.07256985	8.52745356	7.83938022	3.02703674	2.65251073
2849.000	52.69703495	8.54841323	7.83933152	3.54000000	2.64643859
2849.500	53.74201159	8.54987619	7.83928283	3.18000000	2.65346102
2850.000	54.16597039	8.52931956	7.83923414	2.86000000	2.65457936
2850.500	53.51486053	8.53027079	7.83918545	3.60000000	2.64684930
2851.000	53.51440256	8.50762051	7.83913675	3.88000000	2.64213919
2851.500	55.35763438	8.50909899	7.83908806	2.90000000	2.65797806
2852.000	56.40697283	8.50884299	7.83903937	2.34000000	2.65846311
2852.500	52.21482877	8.50953551	7.83899067	3.22000000	2.65005351
2853.000	46.73317294	8.52389572	7.83894198	3.10000000	2.64985483
2853.500	44.32225110	8.52921308	7.83889329	4.06000000	2.64238019
2854.000	44.25173461	8.52893101	7.83884459	4.06000000	2.63017399
2854.500	44.92171197	8.52882704	7.83879590	3.94000000	2.63600295
2855.000	47.24116169	8.52882704	7.83874721	3.28000000	2.64700853
2855.500	50.06646193	8.52882704	7.83869851	2.90000000	2.65440386
2856.000	51.78408323	8.52882704	7.83864982	3.46000000	2.64968665
2856.500	51.48607640	8.52882704	7.83860113	3.52000000	2.64890937
2857.000	49.38731727	8.52882704	7.83855243	1.78000000	2.67310922
2857.500	49.32612966	8.52882704	7.83850374	1.66000000	2.67490717
2858.000	47.85258920	8.52882704	7.83845505	1.98000000	2.66911371
2858.500	48.84014104	8.52882704	7.83840635	2.72000000	2.66303212
2859.000	51.01813926	8.52882704	7.83835766	4.50000000	2.63945981
2859.500	52.44994755	8.52882704	7.83830897	4.56000000	2.63440351
2860.000	52.63038562	8.52882704	7.83826027	4.04000000	2.63754352

2860.500	52.64078970	8.52882704	7.83821158	3.98000000	2.63651371
2861.000	52.82245880	8.52882704	7.83816289	4.26000000	2.63547552
2861.500	54.11981253	8.52889502	7.83811419	4.62000000	2.63186102
2862.000	56.46175318	8.52832495	7.83806550	4.72000000	2.62856691
2862.500	60.06432107	8.52684287	7.83801681	4.36000000	2.63015508
2863.000	60.41361959	8.52684287	7.83796811	4.44000000	2.62693297
2863.500	58.52646463	8.52832495	7.83791942	5.78000000	2.60924113
2864.000	56.56390558	8.52889502	7.83787073	6.70000000	2.59302131
2864.500	56.20517690	8.52882704	7.83782204	6.84000000	2.59042967
2865.000	54.98526582	8.52878820	7.83777334	5.62000000	2.59860328
2865.500	54.43485242	8.52896469	7.83772465	4.62000000	2.63281483
2866.000	57.39354097	8.52928072	7.83767596	4.00000000	2.63631961
2866.500	57.87704879	8.55133907	7.83762726	3.36000000	2.64936387
2867.000	55.35470089	8.52788537	7.83757857	3.14000000	2.64809071
2867.500	54.76363627	8.52898404	7.83752988	3.88000000	2.63829587
2868.000	56.44883874	8.52884617	7.83748118	4.74000000	2.62705752
2868.500	60.45771205	8.52882704	7.83743249	4.94000000	2.63879220
2869.000	62.06515462	8.52884617	7.83738380	4.38000000	2.62412030
2869.500	62.81092101	8.52901318	7.83733510	5.04000000	2.62562342
2870.000	61.91201137	8.52755919	7.83728641	3.90000000	2.63031319
2870.500	60.13855963	8.55018087	7.83723772	4.68155521	2.63142999
2871.000	54.70609074	8.54723464	7.83718902	4.25916430	2.63653285
2871.500	50.77011443	8.56989515	7.83714033	3.19951222	2.65255499
2872.000	47.66483040	8.56824555	7.83709164	2.96048398	2.65192381
2872.500	45.85537734	8.56792951	7.83704294	3.06000000	2.65162830
2873.000	48.15193786	8.54736341	7.83699425	3.02000000	2.65296352
2873.500	49.34181645	8.54836245	7.83694556	2.64000000	2.65921581
2874.000	46.84877273	8.54873689	7.83689686	3.64000000	2.64423731
2874.500	45.52157653	8.54870775	7.83684817	4.06000000	2.63478766
2875.000	46.91402456	8.54870775	7.83679948	4.72000000	2.62579819
2875.500	48.52403597	8.54870775	7.83675078	5.36000000	2.61327031
2876.000	49.08359607	8.54870775	7.83670209	5.64000000	2.60855702
2876.500	48.37673160	8.54874123	7.83665340	4.74000000	2.62118407
2877.000	46.90382084	8.54883022	7.83660470	4.44253073	2.62745529
2877.500	45.46702261	8.54811857	7.83655601	5.03591229	2.62242967
2878.000	45.79166582	8.53375836	7.83650732	5.22113355	2.61746076
2878.500	45.38652590	8.52844100	7.83645862	5.18064082	2.62011529
2879.000	45.86425058	8.52872307	7.83640993	5.01925470	2.62239092
2879.500	47.33713956	8.52882704	7.83636124	5.11839362	2.62157929
2880.000	48.14128244	8.52882704	7.83631255	5.70000000	2.60834655
2880.500	45.96143280	8.52882704	7.83626385	5.38000000	2.61408939
2881.000	45.55622746	8.52884617	7.83621516	6.02000000	2.60011786
2881.500	47.62791079	8.52901318	7.83616647	6.18000000	2.60297612
2882.000	50.89821685	8.52750122	7.83611777	5.28276239	2.61044556
2882.500	56.14573759	8.55015151	7.83606908	4.71368183	2.62166652
2883.000	64.14898503	8.54912260	7.83602039	4.53253545	2.62757007
2883.500	67.92312067	8.57007046	7.83597169	5.02213627	2.62724983
2884.000	70.61338980	8.56957360	7.83592300	4.78787569	2.62537827
2884.500	73.90534709	8.58978439	7.83587431	4.66910390	2.62984130
2885.000	73.88054740	8.58881449	7.83582561	5.01394170	2.62944883
2885.500	70.39360338	8.58842092	7.83577692	5.29656376	2.61957996
2886.000	70.16551518	8.58824420	7.83572823	3.97522106	2.63155017
2886.500	67.56556483	8.58991294	7.83567953	2.98000000	2.65457297
2887.000	63.56594410	8.56794132	7.83563084	3.30000000	2.64850766
2887.500	63.19605943	8.58999967	7.83558215	2.90000000	2.65225443
2888.000	65.91039146	8.58880448	7.83553345	3.42000000	2.65480108
2888.500	66.09606610	8.58878535	7.83548476	4.70000000	2.63752022
2889.000	62.87517668	8.58981353	7.83543607	4.90000000	2.62299306
2889.500	55.43443939	8.56926177	7.83538737	3.73399294	2.63818084
2890.000	45.61602574	8.56886771	7.83533868	4.64121215	2.63200543
2890.500	38.11477064	8.56796045	7.83528999	3.46150738	2.64808895
2891.000	33.97903987	8.55374304	7.83524129	2.26000000	2.66580035
2891.500	33.23634512	8.54870775	7.83519260	-0.30000000	2.69965552
2892.000	33.85147665	8.54367247	7.83514391	0.30000000	2.70543475
2892.500	35.03166098	8.52941622	7.83509521	0.53760359	2.70043219
2893.000	36.84801631	8.52870457	7.83504652	0.53710128	2.69401298
2893.500	42.11244100	8.52882565	7.83499783	0.50277209	2.69639284
2894.000	46.42799277	8.52909178	7.83494913	0.58000000	2.69646014

2894.500	45.87610406	8.52742567	7.83490044	0.90000000	2.68957517
2895.000	37.95037987	8.53545492	7.83485175	0.34000000	2.69666400
2895.500	30.89192668	8.54703673	7.83480306	-0.14000000	2.70279199
2896.000	28.77703309	8.58942638	7.83475436	-1.10000000	2.71414832
2896.500	28.53040104	8.58847600	7.83470567	-1.66000000	2.72722010
2897.000	29.66908498	8.58846503	7.83465698	-1.10000000	2.72064075
2897.500	31.15142354	8.58944441	7.83460828	-1.46000000	2.72266060
2898.000	32.41204578	8.59848726	7.83455959	-1.10000000	2.72267298
2898.500	33.34451126	8.58944441	7.83451090	-0.79084576	2.71787012
2899.000	34.15455973	8.58845069	7.83446220	0.31059662	2.70143924
2899.500	36.25414477	8.58843571	7.83441351	2.39533927	2.66550980
2900.000	37.49604437	8.58846918	7.83436482	2.81418283	2.65584363
2900.500	38.85108184	8.58845005	7.83431612	3.41007253	2.65141770
2901.000	40.52062074	8.58828304	7.83426743	2.72288128	2.65881168
2901.500	42.40322618	8.58975616	7.83421874	2.43783975	2.66185122
2902.000	42.86793544	8.56730150	7.83417004	1.92000000	2.66823128
2902.500	43.38824523	8.56877461	7.83412135	3.02000000	2.65730243
2903.000	44.18556222	8.56860760	7.83407266	3.22000000	2.65138721
2903.500	46.43273534	8.56858847	7.83402396	2.50141671	2.66198094
2904.000	48.83707792	8.56858847	7.83397527	1.78065923	2.67409314
2904.500	51.42836342	8.56848450	7.83392658	1.33465104	2.67951764
2905.000	52.54598143	8.56833553	7.83387788	1.70000000	2.67903740
2905.500	53.74392867	8.57356052	7.83382919	2.20000000	2.66957494
2906.000	54.11024726	8.58160434	7.83378050	2.38000000	2.66602149
2906.500	54.37415877	8.58854100	7.83373180	2.06000000	2.65927847
2907.000	54.05789300	8.58819428	7.83368311	3.18000000	2.64896625
2907.500	53.47202405	8.58881986	7.83363442	3.20000000	2.64896941
2908.000	52.04012518	8.58981353	7.83358572	2.92000000	2.65608278
2908.500	50.55122147	8.56922830	7.83353703	0.94000000	2.67940856
2909.000	49.03651112	8.56874525	7.83348834	0.74000000	2.68639089
2909.500	47.88452126	8.56854963	7.83343965	2.41869692	2.66947333
2910.000	46.86378228	8.56858847	7.83339095	2.86144134	2.65663648
2910.500	43.88521138	8.56858847	7.83334226	3.18093712	2.65272711
2911.000	42.71466637	8.56858847	7.83329357	2.97789568	2.65151137
2911.500	42.71182165	8.56858847	7.83324487	3.22938590	2.65123238
2912.000	43.87515449	8.56858847	7.83319618	3.00864047	2.64844913
2912.500	45.40403625	8.56858847	7.83314748	4.38000000	2.63720181
2913.000	44.91897753	8.56858847	7.83309873	3.86000000	2.63464366
2913.500	43.29525415	8.56858847	7.83304980	3.06000000	2.65575199
2914.000	43.08529495	8.56858847	7.83300326	2.06000000	2.67191673
2914.500	44.06341500	8.56858847	7.83300169	1.18000000	2.68016762
2915.000	46.71838737	8.56858847	7.83300193	2.46000000	2.66416667
2915.500	47.79898115	8.56858847	7.83300199	1.98000000	2.66749834
2916.000	48.84234221	8.56858847	7.83300199	2.06000000	2.66663728
2916.500	51.16289006	8.56858847	7.83300199	2.74000000	2.65760737
2917.000	52.03979336	8.56854963	7.83300199	3.38000000	2.64707944
2917.500	52.26046136	8.56874525	7.83300199	3.53499584	2.64128788
2918.000	51.22912854	8.56922830	7.83300199	2.97849295	2.65189093
2918.500	49.72082268	8.58981353	7.83300199	2.74099182	2.65474772
2919.000	48.47220697	8.58881449	7.83300199	3.06166811	2.64964977
2919.500	46.87365332	8.58844005	7.83300199	3.30021368	2.65123547
2920.000	46.17436877	8.58846918	7.83300199	2.27678970	2.66636386
2920.500	43.68679533	8.58846918	7.83300199	1.74897386	2.67050016
2921.000	44.06546966	8.58846918	7.83300199	1.63193433	2.67151630
2921.500	47.23294933	8.58846918	7.83300199	2.53792615	2.65963220
2922.000	46.41274114	8.58846918	7.83300199	3.50000000	2.64887094
2922.500	47.04072409	8.58846918	7.83300199	3.50000000	2.65467546
2923.000	48.90268414	8.58846918	7.83300199	2.78000000	2.65955812
2923.500	49.32946264	8.58846918	7.83300199	2.37285717	2.66327650
2924.000	49.63562938	8.58846918	7.83300199	2.02926033	2.66640656
2924.500	50.69029006	8.58846918	7.83300199	1.56469685	2.67057790
2925.000	50.88405565	8.58846918	7.83300199	2.00680360	2.67253179
2925.500	49.05332922	8.58846918	7.83300199	1.41555117	2.67626380
2926.000	49.28669293	8.58846918	7.83300199	1.07103234	2.68407578
2926.500	50.29541514	8.58846918	7.83300199	1.17092935	2.67449403
2927.000	45.67495177	8.58846918	7.83300199	4.11044023	2.64869838
2927.500	41.62746706	8.58846918	7.83300199	2.96606199	2.64515934
2928.000	42.17803255	8.58843035	7.83300199	1.62085885	2.66872532

2928.500	54.63296394	8.58862105	7.83300199	1.93683606	2.67603114
2929.000	66.85157924	8.58905173	7.83300199	2.41004833	2.66421866
2929.500	75.07987569	8.60649170	7.83300199	1.89440013	2.66399550
2930.000	78.89324348	8.70798345	7.83300199	7.58000000	2.57917469
2930.500	79.10251199	8.86543483	7.83300199	7.66000000	2.57774304
2931.000	77.32064521	8.86738788	7.83300199	7.08000000	2.58945195
2931.500	74.40254417	8.86691779	7.83300199	5.45851426	2.61078248
2932.000	73.43993072	8.86667119	7.83300199	3.89682189	2.63653613
2932.500	72.90554015	8.86622828	7.83300199	4.09963130	2.63028021
2933.000	72.90628229	8.86936843	7.83300199	3.44000000	2.64599101
2933.500	72.63918419	8.96413838	7.83300199	3.58000000	2.64910025
2934.000	70.94563086	9.06210797	7.83300199	3.16000000	2.64994182
2934.500	68.25970943	9.00305214	7.83300199	4.02000000	2.63892654
2935.000	66.42442917	8.86808777	7.83300199	5.46000000	2.61677771
2935.500	63.57926770	8.84718309	7.83300199	5.74000000	2.60415002
2936.000	50.22991691	8.79885387	7.83300199	5.26000000	2.62839342
2936.500	48.23134959	8.62457219	7.83300199	3.20000000	2.66281669
2937.000	53.23236186	8.56230315	7.83300199	1.60000000	2.67755321
2937.500	59.04365072	8.53353011	7.83300199	1.20000000	2.67715965
2938.000	59.30662301	8.52828072	7.83300199	2.46000000	2.66200922
2938.500	47.12362576	8.52865612	7.83300199	3.30000000	2.64600290
2939.000	32.27935982	8.52872371	7.83300199	3.66000000	2.64340214
2939.500	24.96176648	8.52956353	7.83300199	4.06000000	2.63923127
2940.000	22.73422291	8.54257393	7.83300199	6.18000000	2.59627317
2940.500	24.73013274	8.57066526	7.83300199	8.30000000	2.56200677
2941.000	29.10320020	8.58959977	7.83300199	8.58000000	2.55733025
2941.500	29.96469310	8.62881727	7.83300199	14.62000000	2.45665468
2942.000	27.60966363	8.88250514	7.83300199	13.31340071	2.49331612
2942.500	19.75341434	9.03442782	7.83300199	7.12994221	2.61307894
2943.000	14.70464032	8.64905507	7.83300199	3.31199920	2.64805468
2943.500	12.94121216	8.56876439	7.83300199	2.98000000	2.65459793
2944.000	16.53520958	8.54596596	7.83300199	2.46200000	2.66511019
2944.500	20.06020359	8.55010959	7.83300199	1.62000000	2.67801658
2945.000	22.10434732	8.52745523	7.83300199	1.54000000	2.67784702
2945.500	23.38529005	8.52864627	7.83300199	1.86000000	2.67448171
2946.000	29.93993573	8.53396363	7.83300199	2.90000000	2.66293732
2946.500	33.38937063	8.54683160	7.83300199	3.90000000	2.64355134
2947.000	36.79402935	8.56999791	7.83300199	4.60705305	2.62859705
2947.500	40.61485224	8.56843580	7.83300199	5.57848262	2.61412976
2948.000	43.42119346	8.56865360	7.83300199	7.02812692	2.57644603
2948.500	52.48098597	8.56833291	7.83300199	7.70000000	2.55441651
2949.000	59.06981718	8.56249924	7.83300199	9.82000000	2.49892475
2949.500	59.98227451	8.61084752	7.83300199	16.18000000	2.43695178
2950.000	55.51791540	9.15431030	7.83300199	17.98000000	2.40344964
2950.500	50.62389104	9.30238998	7.83300199	11.32682731	2.56314145
2951.000	47.21163054	8.78160943	7.83300199	4.77334728	2.63476039
2951.500	44.50568341	8.53794100	7.83300199	5.29096083	2.61445242
2952.000	41.40651914	8.54706353	7.83300199	5.70023300	2.60950557
2952.500	37.19049772	8.54898017	7.83300199	3.26171861	2.64262112
2953.000	34.07013476	8.55024062	7.83300199	2.70000000	2.65910198
2953.500	31.97235648	8.53014224	7.83300199	2.34000000	2.66620815
2954.000	30.58478438	8.48885884	7.83300199	2.62000000	2.66161655
2954.500	29.59862395	8.48974396	7.83300199	2.70000000	2.65746645
2955.000	28.56348577	8.46871455	7.83300199	2.90000000	2.65092701
2955.500	27.97798079	8.50221675	7.83300199	3.26000000	2.65351247
2956.000	27.37131442	8.52800319	7.83300199	2.10658327	2.67462542
2956.500	27.20631442	8.52782837	7.83300199	0.89318164	2.68844334
2957.000	26.41993998	8.54938743	7.83300199	0.61617309	2.69342891
2957.500	24.32599403	8.53000788	7.83300199	0.22000000	2.70053793
2958.000	21.78743538	8.49302867	7.83300199	0.30000000	2.70050041
2958.500	21.31903747	8.48942819	7.83300199	0.62000000	2.69751250
2959.000	24.59754318	8.48241717	7.83300199	0.38000000	2.70165451
2959.500	28.74643587	8.48949345	7.83300199	0.30000000	2.70771690
2960.000	32.06607665	8.50754387	7.83300199	0.76000000	2.70460361
2960.500	35.08361159	8.51417034	7.83300199	2.34689139	2.66564851
2961.000	37.20926874	8.53026087	7.83300199	2.98639438	2.65111929
2961.500	35.62441359	8.53103764	7.83300199	2.02707048	2.66757420
2962.000	24.40658977	8.52971516	7.83300199	1.65219857	2.67224141

2962.500	15.85205786	8.52377223	7.83300199	0.87000000	2.68581660
2963.000	12.40863004	8.51036962	7.83300199	-0.06000000	2.70349369
2963.500	10.92689615	8.52259489	7.83300199	0.62000000	2.69005449
2964.000	10.58840590	8.49928081	7.83300199	0.78000000	2.68949397
2964.500	10.77437698	8.48839749	7.83300199	0.34160000	2.69954333
2965.000	11.67776177	8.48885767	7.83300199	0.62000000	2.69509437
2965.500	12.65617465	8.48906561	7.83300199	0.66000000	2.69767574
2966.000	14.20723020	8.48906561	7.83300199	-0.30000000	2.70678532
2966.500	16.37089423	8.48906561	7.83300199	0.54000000	2.69753016
2967.000	20.69467998	8.48906561	7.83300199	1.42000000	2.67766024
2967.500	26.50548446	8.48902677	7.83300199	2.06000000	2.66957305
2968.000	40.13820544	8.48872332	7.83300199	3.62000000	2.64264919
2968.500	47.92911777	8.49003053	7.83300199	3.34281582	2.64945589
2969.000	51.21601801	8.52040224	7.83300199	3.06843548	2.64933628
2969.500	48.23433320	8.83779017	7.83300199	6.58255638	2.56274265
2970.000	39.75498561	9.02070922	7.83300199	9.90000000	2.49654005
2970.500	18.44835355	8.65709776	7.83300199	8.26342857	2.55090210
2971.000	14.95642150	8.46986684	7.83300199	3.82000000	2.63586240
2971.500	17.93510428	8.46828459	7.83300199	3.70000000	2.64215255
2972.000	20.36375449	8.46892477	7.83300199	3.90000000	2.63971975
2972.500	21.64841002	8.46918489	7.83300199	2.58000000	2.65985096
2973.000	22.50849520	8.46918489	7.83300199	1.18000000	2.67972794
2973.500	24.04042423	8.46918489	7.83300199	1.58000000	2.68075688
2974.000	25.20572647	8.46918489	7.83300199	-0.03200000	2.67498852
2974.500	25.77617957	8.46918489	7.83300199	-0.74000000	2.71237794
2975.000	23.14869635	8.46915611	7.83300199	0.58000000	2.70421157
2975.500	21.59741003	8.46900352	7.83300199	0.46000000	2.69657407
2976.000	23.64689499	8.47021016	7.83300199	0.74000000	2.69576433
2976.500	28.10954716	8.46335452	7.83300199	0.54000000	2.69248804
2977.000	27.91343220	8.46951194	7.83300199	0.69600000	2.69392864
2977.500	25.78722308	8.46917732	7.83300199	1.38000000	2.68269255
2978.000	24.67356291	8.46939366	7.83300199	1.85968486	2.67450656
2978.500	24.98287607	8.45349517	7.83300199	1.64791199	2.67554983
2979.000	27.24058495	8.46857763	7.83300199	0.80324261	2.68566629
2979.500	29.16556627	8.46931309	7.83300199	1.64521123	2.67584069
2980.000	30.89681506	8.46934146	7.83300199	2.46264986	2.66745766
2980.500	32.35363987	8.46975708	7.83300199	3.87340309	2.66835100
2981.000	31.44402626	8.46295498	7.83300199	4.18000000	2.64601636
2981.500	30.86639553	8.47098954	7.83300199	3.34000000	2.65637467
2982.000	33.27172596	8.46967734	7.83300199	3.02000000	2.67221278
2982.500	33.88712306	8.45473683	7.83300199	2.30000000	2.68459349
2983.000	34.72936508	8.45338978	7.83300199	2.34000000	2.69370291
2983.500	34.97132592	8.45879092	7.83300199	2.62000000	2.68858243
2984.000	34.20567276	8.46777833	7.83300199	2.06000000	2.69476058
2984.500	34.14255408	8.45448456	7.83300199	1.86000000	2.70307538
2985.000	34.72757793	8.46238597	7.83300199	2.42000000	2.70455337
2985.500	36.21737895	8.46378487	7.83300199	2.74000000	2.68332913
2986.000	36.81068351	8.46003205	7.83300199	2.70000000	2.68726219
2986.500	36.61093117	8.46226871	7.83300199	1.98000000	2.69705930
2987.000	36.51213096	8.46889184	7.83300199	1.38013712	2.71457524
2987.500	37.21681353	8.45509122	7.83300199	1.17878488	2.71847765
2988.000	37.79167962	8.46327835	7.83300199	0.97270433	2.72257361
2988.500	38.33247877	8.45449410	7.83300199	2.30000000	2.70251003
2989.000	38.31711182	8.44836819	7.83300199	2.30000000	2.69595597
2989.500	38.03694915	8.44973202	7.83300199	1.46000000	2.70762065
2990.000	37.12554083	8.46232677	7.83300199	1.90000000	2.71474231
2990.500	36.30854847	8.46960030	7.83300199	1.06000000	2.71787430
2991.000	35.93776229	8.46934683	7.83300199	2.32000000	2.69081675
2991.500	36.47471081	8.46918489	7.83300199	2.58000000	2.68582401
2992.000	39.50382717	8.46931335	7.83300199	2.36000000	2.68955527
2992.500	42.23289111	8.46947783	7.83300199	2.32000000	2.69273218
2993.000	42.78066493	8.46291595	7.83300199	2.82000000	2.68075346
2993.500	42.20204998	8.46474655	7.83300199	2.40000000	2.68876510
2994.000	40.48891788	8.46917777	7.83300199	0.36000000	2.70519584
2994.500	39.23149008	8.47029980	7.83300199	-0.02000000	2.69763416
2995.000	37.93922667	8.48549075	7.83300199	0.58088226	2.69324652
2995.500	37.02925954	8.46998722	7.83300199	0.37919606	2.69472306
2996.000	36.22780892	8.46521046	7.83300199	0.45938453	2.69697077

2996.500	36.20291852	8.46398220	7.83300199	0.68000000	2.69329903
2997.000	36.60186987	8.46936833	7.83300199	1.04000000	2.68872083
2997.500	37.20683864	8.47484628	7.83300199	1.78000000	2.67529496
2998.000	38.62346690	8.50970148	7.83300199	2.08108326	2.66986403
2998.500	40.74380504	8.50938193	7.83300199	2.41347913	2.66545975
2999.000	42.81442649	8.50876377	7.83300199	2.80055851	2.65043338
2999.500	43.65747487	8.51040836	7.83300199	4.34000000	2.64092692
3000.000	44.54767895	8.49488494	7.83300199	3.42000000	2.65467267
3000.500	46.08742940	8.50955594	7.83300199	2.58000000	2.66872030
3001.000	46.28132321	8.50909382	7.83300199	1.42605352	2.68147806
3001.500	45.71289318	8.50857623	7.83300199	0.70592702	2.69381128
3002.000	47.57359120	8.50759846	7.83300199	-0.23378655	2.70416224
3002.500	49.97070017	8.46848758	7.83300199	-0.42000000	2.70431539
3003.000	50.86833308	8.46894282	7.83300199	-0.06000000	2.70004280
3003.500	52.56712902	8.49451981	7.83300199	1.82000000	2.68489810
3004.000	55.61827654	8.53372986	7.83300199	2.66000000	2.69185020
3004.500	58.87711427	8.54704420	7.83300199	2.62000000	2.68542968
3005.000	62.78005969	8.56828799	7.83300199	0.86000000	2.68083503
3005.500	65.75985659	8.66352336	7.83300199	5.53750000	2.69002265
3006.000	68.19769550	8.77940574	7.83300199	7.90000000	2.57392246
3006.500	71.04477687	8.82786291	7.83300199	6.82000000	2.56107241
3007.000	73.15098083	8.82138658	7.83300199	8.26000000	2.54965709
3007.500	73.81914191	8.78651883	7.83300199	6.66000000	2.59692032
3008.000	73.51941750	8.78695565	7.83300199	6.14000000	2.59398394
3008.500	69.56875366	8.78763847	7.83300199	5.74000000	2.60501013
3009.000	57.49895813	8.80776706	7.83300199	4.26000000	2.62900801
3009.500	43.99843926	8.85208538	7.83300199	3.86000000	2.63687881
3010.000	34.64277749	8.88862390	7.83300199	5.26000000	2.62489275
3010.500	31.62045249	8.54091107	7.83300199	4.02000000	2.64601706
3011.000	32.69438775	8.45713280	7.83300199	1.50000000	2.67219278
3011.500	32.57706725	8.40840834	7.83300199	1.90000000	2.67426906
3012.000	28.31881489	8.41004035	7.83300199	1.29827970	2.68055715
3012.500	27.05479829	8.41086738	7.83300199	0.85324101	2.68745078
3013.000	27.55803503	8.39030186	7.83300199	0.61865084	2.69127905
3013.500	28.85280174	8.38985228	7.83300199	0.10000000	2.69988915
3014.000	29.46869573	8.38974565	7.83300199	1.02000000	2.69403260
3014.500	29.86696870	8.38907284	7.83300199	1.90000000	2.67914759
3015.000	30.91109400	8.37471263	7.83300199	1.42000000	2.67724910
3015.500	34.71633980	8.36942441	7.83300199	1.30000000	2.67657008
3016.000	41.45397802	8.36933204	7.83300199	2.58000000	2.65807259
3016.500	48.55707476	8.36843697	7.83300199	3.10000000	2.64963243
3017.000	47.41672903	8.38902220	7.83300199	2.82000000	2.65414877
3017.500	44.94103369	8.38947611	7.83300199	3.66000000	2.64485760
3018.000	44.28000358	8.39006530	7.83300199	3.66000000	2.64440275
3018.500	44.86311933	8.39119252	7.83300199	3.18000000	2.64938577
3019.000	46.84743436	8.36913417	7.83300199	3.46000000	2.64670901
3019.500	48.13352842	8.39112491	7.83300199	3.06000000	2.65151348
3020.000	47.34550881	8.38962319	7.83300199	3.46000000	2.64728070
3020.500	46.07869173	8.38832245	7.83300199	3.18000000	2.64935400
3021.000	43.88913820	8.41070725	7.83300199	2.45000000	2.66409658
3021.500	41.95395736	8.40994578	7.83300199	1.48000000	2.68055774
3022.000	41.76039264	8.42447301	7.83300199	1.30000000	2.68100769
3022.500	43.10836578	8.42980950	7.83300199	2.82627383	2.65912294
3023.000	44.52093973	8.42952743	7.83300199	2.94051382	2.65461001
3023.500	44.38113901	8.42942346	7.83300199	2.48025126	2.65954826
3024.000	42.75341235	8.42942346	7.83300199	3.50127382	2.64886731
3024.500	41.77611686	8.42942346	7.83300199	3.86000000	2.63979275
3025.000	41.64924033	8.42942346	7.83300199	3.28000000	2.64740575
3025.500	42.80748236	8.42942346	7.83300199	2.84000000	2.65306592
3026.000	42.61283840	8.42937085	7.83300199	2.28000000	2.66289866
3026.500	41.82700406	8.42911485	7.83300199	2.62000000	2.66306967
3027.000	41.29167956	8.43129962	7.83300199	2.98000000	2.65312360
3027.500	41.30399811	8.42320517	7.83300199	3.13935443	2.65371129
3028.000	42.70470642	8.42999564	7.83300199	2.82045882	2.66226299
3028.500	45.33139376	8.42954656	7.83300199	1.75908054	2.67345368
3029.000	44.94315271	8.42942346	7.83300199	1.14000000	2.68236002
3029.500	43.96182190	8.42940433	7.83300199	1.22000000	2.67805319
3030.000	44.86801329	8.42923732	7.83300199	1.86000000	2.67487828

3030.500	45.73597701	8.43071043	7.83300199	1.26000000	2.68084620
3031.000	47.37224579	8.40825577	7.83300199	1.32000000	2.68300056
3031.500	49.27536067	8.40972889	7.83300199	2.12000000	2.67192835
3032.000	51.08449744	8.40956187	7.83300199	3.46000000	2.65321870
3032.500	51.48062624	8.40951361	7.83300199	3.06000000	2.64860988
3033.000	50.55570813	8.40988805	7.83300199	2.48000000	2.66013936
3033.500	49.97670138	8.41088709	7.83300199	2.61996110	2.65790627
3034.000	50.52027170	8.39030186	7.83300199	2.27997903	2.66655051
3034.500	52.65183981	8.38981881	7.83300199	2.15980137	2.66606023
3035.000	54.97997762	8.38962319	7.83300199	2.06000000	2.66910284
3035.500	55.60036319	8.38968116	7.83300199	1.70000000	2.67550845
3036.000	54.12938733	8.38984817	7.83300199	1.72000000	2.67354014
3036.500	52.40682813	8.38837505	7.83300199	2.00000000	2.66986793
3037.000	51.16467981	8.41082972	7.83300199	3.46000000	2.65601542
3037.500	51.99462476	8.40935660	7.83300199	4.48000000	2.62785107
3038.000	53.46462162	8.40952361	7.83300199	4.40000000	2.61964084
3038.500	52.53276498	8.40964671	7.83300199	3.98000000	2.63769097
3039.000	48.12171630	8.40992879	7.83300199	3.46000000	2.64953400
3039.500	45.46767095	8.40461142	7.83300199	2.56000000	2.66306913
3040.000	44.23672158	8.39025121	7.83300199	1.86000000	2.67050334
3040.500	44.48616140	8.38953956	7.83300199	2.14000000	2.66413957
3041.000	43.91488839	8.38962855	7.83300199	2.50000000	2.65603739
3041.500	43.37871298	8.38966203	7.83300199	3.54000000	2.64712579
3042.000	43.98873365	8.38970087	7.83300199	3.14000000	2.64856702
3042.500	46.15856341	8.38950525	7.83300199	4.02000000	2.64324489
3043.000	48.80553687	8.38902220	7.83300199	4.58688212	2.63457155
3043.500	49.74755856	8.36839813	7.83300199	4.70677515	2.63148764
3044.000	49.88690750	8.36961192	7.83300199	4.08719355	2.63856698
3044.500	48.95635594	8.37063642	7.83300199	2.66000000	2.66140564
3045.000	47.93048970	8.38968056	7.83300199	2.02000000	2.66710001
3045.500	46.71310909	8.41130266	7.83300199	3.10000000	2.65048623
3046.000	46.14302163	8.41031259	7.83300199	3.42000000	2.65154330
3046.500	46.11472797	8.43209302	7.83300199	2.46000000	2.66128898
3047.000	47.84385535	8.41056135	7.83300199	3.70000000	2.64116661
3047.500	50.25382249	8.40979285	7.83300199	2.86000000	2.65271970
3048.000	51.12002517	8.40891472	7.83300199	2.54000000	2.66147830
3048.500	49.64537102	8.39456421	7.83300199	2.94000000	2.65280657
3049.000	47.95205989	8.38962129	7.83300199	3.50000000	2.64762261
3049.500	46.87080807	8.39090240	7.83300199	3.18000000	2.65391791
3050.000	46.27048392	8.37042114	7.83300199	2.14000000	2.66583855
3050.500	46.15921344	8.36993809	7.83300199	2.02000000	2.66588175
3051.000	46.57955155	8.36974247	7.83300199	1.96000000	2.66822164
3051.500	47.57102240	8.36978131	7.83300199	2.90000000	2.65632081
3052.000	49.39154822	8.36978131	7.83300199	2.84000000	2.65547191
3052.500	47.05437147	8.36967734	7.83300199	2.14000000	2.66396170
3053.000	45.83418886	8.36939527	7.83300199	2.10000000	2.66642748
3053.500	47.81740953	8.37471263	7.83300199	2.74000000	2.65741439
3054.000	50.80879245	8.38903937	7.83300199	2.94000000	2.65646918
3054.500	51.14046239	8.38966203	7.83300199	1.32000000	2.66932466
3055.000	51.14152494	8.39028469	7.83300199	1.62000000	2.67805690
3055.500	51.14876862	8.40461142	7.83300199	0.36000000	2.69125864
3056.000	51.33641201	8.40992879	7.83300199	0.74000000	2.69084130
3056.500	52.63081137	8.40964671	7.83300199	1.16000000	2.68497409
3057.000	54.13106504	8.40954274	7.83300199	0.81959158	2.68597053
3057.500	55.82241943	8.40954274	7.83300199	0.79890795	2.69019344
3058.000	56.07608984	8.40954274	7.83300199	1.39976519	2.68193126
3058.500	53.69345472	8.40954274	7.83300199	2.08000000	2.66833456
3059.000	53.74757530	8.40954274	7.83300199	1.48000000	2.67650365
3059.500	57.56195910	8.40954274	7.83300199	0.90000000	2.68787864
3060.000	65.38030477	8.40941965	7.83300199	0.74000000	2.69072683
3060.500	79.29610799	8.40897056	7.83300199	0.78000000	2.69026021
3061.000	76.55693419	8.41579017	7.83300199	0.82000000	2.68840180
3061.500	219.93041750	8.40734041	7.83300199	1.42000000	2.67975914
3062.000	120.32803181	8.40858918	7.83300199	2.62000000	2.66399603
3062.500	163.27037773	8.42712438	7.83300199	3.14000000	2.65352272
3063.000	216.35188867	8.45554160	7.83300199	4.30000000	2.64251078
3063.500	238.41948310	8.46927004	7.83300199	5.62000000	2.61100962
3064.000	244.38369781	8.48875854	7.83300199	6.87000000	2.58252701

3064.500	235.16335586	8.50989039	7.83300199	8.54893363	2.56429921
3065.000	220.31105310	8.54301465	7.83300199	7.01455579	2.56131381
3065.500	197.22983184	8.54864487	7.83300199	6.66968754	2.58257512
3066.000	157.00795229	8.53567565	7.83300199	7.90000000	2.57010034
3066.500	98.85685885	8.51068174	7.83300199	5.66000000	2.59381885
3067.000	63.07157058	8.48614075	7.83300199	3.58000000	2.63922204
3067.500	56.49746187	8.45020646	7.83300199	4.06000000	2.63172377
3068.000	61.08725734	8.44913580	7.83300199	2.78000000	2.64884459
3068.500	65.52138318	8.55663146	7.83300199	7.20400000	2.58207247
3069.000	67.36025138	8.91744266	7.83300199	11.51196771	2.51920579
3069.500	68.22741913	9.06253574	7.83300199	12.09845077	2.50363391
3070.000	69.02361963	9.06509550	7.83300199	12.37843985	2.49850782
3070.500	71.86462620	9.08783101	7.83300199	12.74011582	2.49285425
3071.000	76.07449773	9.08265401	7.83300199	14.56628571	2.45710022
3071.500	79.51329947	9.00012773	7.83300199	16.78533333	2.41585643
3072.000	81.57044828	8.86509391	7.83300199	18.94000000	2.39372831
3072.500	82.42642930	8.71544361	7.83300199	20.42000000	2.36423014
3073.000	83.45505720	8.68878169	7.83300199	21.02000000	2.35646283
3073.500	84.43207077	8.62650412	7.83300199	21.30000000	2.35479853
3074.000	86.20469770	8.56912947	7.83300199	20.34000000	2.36344458
3074.500	88.61900269	8.54859485	7.83300199	20.90000000	2.35999595
3075.000	89.96168847	8.55375268	7.83300199	21.02000000	2.35740234
3075.500	89.03115880	8.56797958	7.83300199	19.17971201	2.38123416
3076.000	87.29408696	8.56891621	7.83300199	19.16643847	2.38383571
3076.500	86.35251987	8.56751141	7.83300199	17.99285080	2.40084220
3077.000	84.80927353	8.58829979	7.83300199	17.98000000	2.40425740
3077.500	82.17319571	8.60897120	7.83300199	17.06000000	2.41770437
3078.000	79.27870734	8.64730439	7.83300199	16.02000000	2.43805586
3078.500	72.52507826	8.66918043	7.83300199	12.08000000	2.42837596
3079.000	66.96088918	8.64620773	7.83300199	7.62000000	2.55632268
3079.500	58.95114439	8.44855279	7.83300199	6.86000000	2.58113891
3080.000	56.71457336	8.43000604	7.83300199	7.62000000	2.56914921
3080.500	60.09635052	8.52995828	7.83300199	7.54000000	2.56060835
3081.000	65.01907480	8.54906860	7.83300199	10.02000000	2.56356906
3081.500	66.27587662	8.57927782	7.83300199	10.42000000	2.53133993
3082.000	67.02746038	8.73846435	7.83300199	9.30000000	2.54021718
3082.500	69.27450291	9.29572006	7.83300199	9.18000000	2.50674144
3083.000	71.97709401	9.42090803	7.83300199	13.90000000	2.48405537
3083.500	73.69943135	9.47640841	7.83300199	11.07600000	2.51265484
3084.000	74.49009541	9.51468165	7.83300199	9.26000000	2.53689731
3084.500	71.59417779	9.67962365	7.83300199	7.70000000	2.55433259
3085.000	63.09824350	9.76920308	7.83300199	10.24000000	2.51663365
3085.500	55.19383425	9.74283087	7.83300199	13.10000000	2.43265084
3086.000	51.21374079	9.26770671	7.83300199	12.50000000	2.47405041
3086.500	52.55787217	8.52253744	7.83300199	6.69408568	2.58957976
3087.000	50.49809322	8.86731429	7.83300199	7.82506896	2.55350945
3087.500	44.04567618	9.31076132	7.83300199	9.92423524	2.53952678
3088.000	38.17866449	9.21107492	7.83300199	6.64800000	2.55319428
3088.500	32.90643025	8.37808276	7.83300199	1.74000000	2.67329081
3089.000	29.44266041	8.26725604	7.83300199	2.84000000	2.65724644
3089.500	28.48077017	8.22999059	7.83300199	3.98000000	2.65119982
3090.000	28.17823778	8.27105905	7.83300199	3.90000000	2.65223213
3090.500	27.96824081	8.27049828	7.83300199	3.50000000	2.66074628
3091.000	26.59600496	8.27088868	7.83300199	0.54802554	2.69271324
3091.500	23.65626404	8.27123623	7.83300199	1.47979004	2.69302519
3092.000	22.47147678	8.23541212	7.83300199	2.71146273	2.66097207
3092.500	24.18182538	8.21658181	7.83300199	2.57685068	2.66049808
3093.000	31.43636580	8.18880008	7.83300199	3.21856020	2.65353182
3093.500	39.32461428	8.19631967	7.83300199	4.62100235	2.63187352
3094.000	45.18878932	8.23070521	7.83300199	4.78000000	2.63526895
3094.500	48.46054950	8.27159335	7.83300199	4.74000000	2.63218660
3095.000	46.19704880	8.26897953	7.83300199	4.26000000	2.63330172
3095.500	38.15284557	8.29639492	7.83300199	3.46000000	2.64532655
3096.000	31.87500606	8.33417587	7.83300199	2.62000000	2.65293001
3096.500	29.97102776	8.36900094	7.83300199	0.34000000	2.69390689
3097.000	33.38485558	8.36972219	7.83300199	0.82000000	2.68922179
3097.500	39.65915413	8.37019893	7.83300199	0.78000000	2.69397430
3098.000	39.28227828	8.37112132	7.83300199	0.22000000	2.69498182

3098.500	31.81923390	8.34990159	7.83300199	1.45970099	2.67830129
3099.000	28.14369678	8.34867567	7.83300199	2.31450364	2.66516792
3099.500	26.11650985	8.38200210	7.83300199	3.64376348	2.65743673
3100.000	20.04541581	8.58891802	7.83300199	4.26000000	2.62521701
3100.500	13.65986828	8.23405266	7.83300199	2.67000000	2.67608500
3101.000	12.59744205	8.23156585	7.83300199	1.60000000	2.67529653
3101.500	12.65836806	8.22962051	7.83300199	2.88000000	2.65743954
3102.000	13.16939338	8.20807604	7.83300199	2.98000000	2.65402446
3102.500	13.80741516	8.22963117	7.83300199	1.56000000	2.67460579
3103.000	14.76854351	8.23048866	7.83300199	1.83787180	2.67445792
3103.500	16.00857983	8.23065514	7.83300199	1.39828032	2.68395946
3104.000	17.97708369	8.23061630	7.83300199	0.62328308	2.69386651
3104.500	21.07343761	8.23061630	7.83300199	0.52528625	2.68664227
3105.000	22.74996858	8.23061630	7.83300199	2.62000000	2.66422215
3105.500	22.77804887	8.23061630	7.83300199	2.16000000	2.66332520
3106.000	20.39840956	8.23061630	7.83300199	2.76000000	2.66691159
3106.500	19.28675663	8.23061630	7.83300199	2.08000000	2.66097177
3107.000	18.91326614	8.23061630	7.83300199	1.19000000	2.68219318
3107.500	18.94262237	8.23072027	7.83300199	1.96000000	2.66917477
3108.000	17.02313858	8.23104118	7.83300199	4.48000000	2.64517942
3108.500	15.04882363	8.22549907	7.83300199	4.86000000	2.63419312
3109.000	14.11042587	8.21104459	7.83300199	5.46000000	2.62089811
3109.500	15.15423820	8.19077703	7.83300199	6.79655273	2.57669739
3110.000	15.95510090	8.17278680	7.83300199	10.12663245	2.54016046
3110.500	15.96017108	8.13097080	7.83300199	12.77421454	2.50150601
3111.000	15.99539192	8.07786878	7.83300199	14.51818182	2.46695436
3111.500	14.98393022	8.06631338	7.83300199	17.45000000	2.42443387
3112.000	13.93979765	8.05508551	7.83300199	18.30000000	2.40304138
3112.500	13.55258668	7.98626611	7.83300199	17.08000000	2.41937871
3113.000	13.51138130	7.93294259	7.83300199	16.16000000	2.43281760
3113.500	13.26145166	7.89753424	7.83300199	16.02000000	2.43754884
3114.000	13.93282029	7.89276384	7.83300199	15.89885929	2.43826554
3114.500	14.76917536	7.92233688	7.83300199	15.41071866	2.44853351
3115.000	15.99575825	7.98741145	7.83300199	14.01906991	2.47011016
3115.500	17.30209507	8.08808767	7.83300199	11.87549657	2.50019196
3116.000	18.46881837	8.15317717	7.83300199	9.57103341	2.52487731
3116.500	18.83775654	8.18542376	7.83300199	7.24350977	2.55781256
3117.000	19.53314823	8.19130091	7.83300199	5.89133867	2.59830648
3117.500	21.03314136	8.19227929	7.83300199	6.39002505	2.60102355
3118.000	21.35209624	8.16969152	7.83300199	8.25257109	2.54368800
3118.500	18.49563623	8.17166691	7.83300199	13.18738235	2.46203812
3119.000	12.83120135	8.17156253	7.83300199	18.09333333	2.38455332
3119.500	12.40752539	8.13648935	7.83300199	20.64000000	2.35944610
3120.000	13.57205026	8.11110275	7.83300199	21.02000000	2.35351841
3120.500	14.16859613	8.09162214	7.83300199	19.82220389	2.36776381
3121.000	14.20081642	8.09184248	7.83300199	17.24759089	2.41185337
3121.500	16.16716480	8.09022679	7.83300199	14.51923838	2.46280630
3122.000	18.09501067	8.11112241	7.83300199	12.62000000	2.48663252
3122.500	20.19423021	8.13576937	7.83300199	11.98000000	2.49986354
3123.000	19.77642241	8.17080099	7.83300199	11.82000000	2.50532778
3123.500	17.05531939	8.21136006	7.83300199	12.14000000	2.50136178
3124.000	14.23050658	8.21064111	7.83300199	13.94000000	2.48236313
3124.500	13.01287095	8.18380867	7.83300187	15.02000000	2.46111135
3125.000	13.45252057	8.14008572	7.83300200	15.37877764	2.44992120
3125.500	13.87835656	8.13136841	7.83300181	14.33463382	2.46357784
3126.000	14.73847829	8.15624750	7.83309979	14.02332982	2.46657353
3126.500	16.03880780	8.21769230	7.83329317	12.62479496	2.48668380
3127.000	16.56657734	8.22896440	7.83348642	11.61715334	2.51067756
3127.500	16.54253611	8.24961955	7.83367990	10.03406001	2.53810992
3128.000	16.32828816	8.24902937	7.83387326	8.44050000	2.56094554
3128.500	16.19328033	8.26967278	7.83406662	7.62000000	2.57545124
3129.000	15.62362958	8.26983491	7.83425998	7.02000000	2.58224333
3129.500	16.87191169	8.27534789	7.83445334	7.38000000	2.58592015
3130.000	20.41915109	8.28966927	7.83464670	5.22000000	2.61311059
3130.500	28.61780081	8.29038091	7.83484006	3.78000000	2.65857774
3131.000	41.94082459	8.29029192	7.83503342	1.91600591	2.67788936
3131.500	41.03371216	8.29025845	7.83522678	0.89715795	2.69237424
3132.000	32.67614388	8.29025845	7.83542014	-0.20541836	2.70519320

3132.500	25.52836809	8.29025845	7.83561350	0.27327219	2.69849304
3133.000	28.55057196	8.29025845	7.83580686	0.88000000	2.69256428
3133.500	29.43998986	8.29029729	7.83600022	0.90000000	2.68601754
3134.000	28.45751654	8.29010167	7.83619358	0.62000000	2.69602822
3134.500	29.59155371	8.28961862	7.83638694	0.26000000	2.69915466
3135.000	30.37455773	8.26903339	7.83658030	-0.52000000	2.70680907
3135.500	28.76532782	8.27003243	7.83677365	-0.58000000	2.71067152
3136.000	27.35075082	8.27042600	7.83696701	2.14000000	2.68773021
3136.500	27.50284244	8.27066785	7.83716037	1.64000000	2.67145740
3137.000	32.37604316	8.26943796	7.83735373	0.68000000	2.68680460
3137.500	39.84859602	8.28673741	7.83754709	0.43294138	2.69622608
3138.000	46.75062531	8.27100172	7.83774045	2.22080207	2.68117555
3138.500	47.34545926	8.29168881	7.83793381	3.56418396	2.66238433
3139.000	42.62368802	8.31313557	7.83812717	3.66000000	2.65807590
3139.500	26.24169007	8.43559652	7.83832053	1.22000000	2.67659818
3140.000	17.69406891	8.32336152	7.83851389	-0.02000000	2.69924716
3140.500	15.38983191	8.29119833	7.83870725	0.34000000	2.70018186
3141.000	15.05086023	8.29109292	7.83890061	0.42000000	2.70597064
3141.500	15.94568275	8.26961299	7.83909397	-0.98000000	2.71725588
3142.000	17.44726815	8.28547980	7.83928733	-0.83632508	2.71721875
3142.500	21.40510033	8.29054116	7.83948069	-0.10145810	2.70912382
3143.000	24.81047850	8.29095160	7.83967405	2.03891712	2.70455484
3143.500	26.40687914	8.30520785	7.83986741	2.22000000	2.66997880
3144.000	27.87068652	8.31052521	7.84006077	1.22000000	2.67727240
3144.500	28.85291105	8.31021399	7.84025413	0.74000000	2.68852584
3145.000	27.43836967	8.31048447	7.84044749	-0.14000000	2.70107744
3145.500	23.73936961	8.31152235	7.84064085	1.82000000	2.67567163
3146.000	21.29935561	8.29074150	7.84083421	1.86000000	2.68244734
3146.500	19.72236973	8.28977540	7.84102757	0.74000000	2.67993310
3147.000	18.84611942	8.26899455	7.84122092	2.10000000	2.66914306
3147.500	17.78491865	8.27003243	7.84141428	2.34000000	2.66619307
3148.000	15.57074444	8.27037773	7.84160764	3.94000000	2.64860279
3148.500	14.23083738	8.27072304	7.84180100	3.18000000	2.65008941
3149.000	14.14407878	8.27172208	7.84199436	0.90000000	2.69396693
3149.500	14.81149014	8.25096056	7.84218772	0.46000000	2.69581153
3150.000	15.46056283	8.25029237	7.84238108	-0.32000000	2.70809013
3150.500	13.47362763	8.25639651	7.84257444	-1.06000000	2.71936060
3151.000	11.47421377	8.30513603	7.84276780	-1.34000000	2.72126818
3151.500	10.28059826	8.35194414	7.84296116	-0.86000000	2.71043590
3152.000	10.67438639	8.36472194	7.84315452	-0.50000000	2.70649323
3152.500	12.07110049	8.37524602	7.84334788	-0.22000000	2.70142328
3153.000	13.55371384	8.38963586	7.84354124	0.10000000	2.69490050
3153.500	15.71215890	8.41201728	7.84373460	0.26000000	2.69458984
3154.000	17.17367894	8.38870319	7.84392796	0.30000000	2.69702061
3154.500	16.79234299	8.38354337	7.84412132	0.42588386	2.69273436
3155.000	14.74853394	8.38972189	7.84431468	0.26572271	2.69651674
3155.500	13.30398398	8.38979513	7.84450804	0.86328437	2.68913969
3156.000	13.04264475	8.38966203	7.84470140	0.94000000	2.68625225
3156.500	12.98708729	8.38966203	7.84489476	0.66000000	2.68955507
3157.000	12.61267675	8.38966203	7.84508812	1.90000000	2.67220783
3157.500	12.65193531	8.38966203	7.84528148	1.34000000	2.68052040
3158.000	13.91109869	8.38966203	7.84547483	1.78000000	2.67363199
3158.500	14.48279175	8.38966203	7.84566819	2.26000000	2.66765482
3159.000	14.38989755	8.38966203	7.84586155	2.42000000	2.66235625
3159.500	14.15988772	8.38969117	7.84605491	2.02000000	2.67155281
3160.000	15.09564925	8.38935556	7.84624827	1.60000000	2.67873484
3160.500	17.13350664	8.38816090	7.84644163	0.94000000	2.68969204
3161.000	18.94295316	8.40832570	7.84663499	0.26000000	2.69800743
3161.500	20.69199858	8.38793806	7.84682835	-0.42000000	2.70651562
3162.000	21.68224168	8.38742203	7.84702171	-0.66000000	2.69498741
3162.500	19.23976876	8.39398266	7.84721507	3.58000000	2.66304088
3163.000	17.12565487	8.38911921	7.84740843	3.94000000	2.65027638
3163.500	15.91545271	8.38959690	7.84760179	4.06000000	2.64665237
3164.000	16.00957514	8.38966203	7.84779515	3.78000000	2.65159063
3164.500	17.79494025	8.38966203	7.84798851	3.66000000	2.65554269
3165.000	18.38167809	8.38966203	7.84818187	3.70000000	2.65440358
3165.500	17.75434543	8.38966203	7.84837523	2.74000000	2.66903907
3166.000	16.30826850	8.38966203	7.84856859	0.50000000	2.68859253

3166.500	16.61975193	8.38966203	7.84876195	1.22000000	2.68271507
3167.000	17.35752821	8.38966203	7.84895531	1.34000000	2.68286417
3167.500	17.36177879	8.38966203	7.84914867	0.62000000	2.69078514
3168.000	16.44334475	8.38966203	7.84934203	0.90000000	2.68612089
3168.500	16.23713429	8.38966203	7.84953539	0.46000000	2.69451074
3169.000	16.58123967	8.38964290	7.84972874	0.30000000	2.69453298
3169.500	16.04504999	8.38947588	7.84992210	1.06000000	2.67979629
3170.000	15.33784374	8.39084503	7.85011546	1.84000000	2.67326870
3170.500	15.35089887	8.36810830	7.85030882	1.76000000	2.66956537
3171.000	15.87260915	8.37489877	7.85050218	2.28000000	2.66552120
3171.500	15.95074821	8.38909197	7.85069554	2.24000000	2.67393924
3172.000	15.75085284	8.38978449	7.85088890	1.54000000	2.67664256
3172.500	14.49712356	8.38969550	7.85108226	2.84000000	2.65548413
3173.000	14.51735505	8.38966203	7.85127562	2.82000000	2.68263419
3173.500	15.65192173	8.38966203	7.85146898	-1.00804549	2.71428077
3174.000	17.22226006	8.38966203	7.85166234	-1.32935910	2.72322606
3174.500	18.69263215	8.38966203	7.85185570	1.72000000	2.68988088
3175.000	21.27022908	8.38966203	7.85204906	2.14000000	2.67067914
3175.500	25.75904620	8.38962319	7.85224242	1.60000000	2.67366936
3176.000	30.61373788	8.38981881	7.85243578	3.82303833	2.65017723
3176.500	35.65894079	8.39033099	7.85262914	4.15532991	2.64899341
3177.000	40.72438206	8.41039464	7.85282250	5.39129586	2.60583466
3177.500	43.95197455	8.40783206	7.85301586	6.64000000	2.58802787
3178.000	43.09487036	8.43355692	7.85320922	7.06000000	2.58159532
3178.500	40.59007714	8.50095652	7.85340258	6.86000000	2.57383591
3179.000	39.20209723	8.64302101	7.85359594	8.48000000	2.56355633
3179.500	45.18080299	8.58617247	7.85378930	9.04000000	2.55224778
3180.000	54.72658132	8.75113510	7.85398266	10.74399334	2.51344266
3180.500	63.56105732	9.24966585	7.85417601	14.06000000	2.47085733
3181.000	68.18589040	9.60824639	7.85436937	12.22000000	2.49254720
3181.500	71.63191331	9.81540694	7.85456273	14.82000000	2.45478556
3182.000	73.70127976	9.72558335	7.85475609	13.82000000	2.47301094
3182.500	74.12694537	9.59036629	7.85494945	13.50000000	2.47422254
3183.000	73.53417484	9.50246980	7.85514281	14.46000000	2.45578766
3183.500	71.41917767	9.39990053	7.85533617	15.70000000	2.44497717
3184.000	66.67391805	9.80448645	7.85552953	13.57001212	2.47767357
3184.500	61.63898868	10.11859526	7.85572289	13.62712887	2.47803362
3185.000	53.41106805	9.82717991	7.85591625	15.68418337	2.44379186
3185.500	41.00767392	9.32893585	7.85610961	12.78074433	2.51526354
3186.000	30.48850938	8.66871906	7.85630297	6.69997996	2.65008816
3186.500	24.25273266	8.51651370	7.85649633	4.07692591	2.64389048
3187.000	26.03345368	8.42299922	7.85668969	5.16862877	2.61273340
3187.500	37.01004673	8.37440536	7.85688305	7.65224106	2.57175403
3188.000	44.88451754	8.37401827	7.85707641	8.56051756	2.56086137
3188.500	51.20938728	8.48112410	7.85726977	7.34000000	2.57252667
3189.000	53.26284038	8.66688972	7.85746313	11.98000000	2.47974185
3189.500	44.27134914	8.80824592	7.85765649	14.18000000	2.47191198
3190.000	30.68352756	8.78219290	7.85784985	8.01818182	2.46520428
3190.500	23.59432368	8.51508978	7.85804321	1.46236364	2.69568002
3191.000	20.74387336	8.40774574	7.85823657	-1.18000000	2.71697772
3191.500	18.00885717	8.40887063	7.85842992	-0.71203753	2.71645956
3192.000	15.60869904	8.39446785	7.85862328	-0.25645185	2.70852121
3192.500	15.34610625	8.38927599	7.85881664	0.21674313	2.69927737
3193.000	15.43122468	8.38955806	7.85901000	0.41921558	2.69670683
3193.500	16.03906943	8.38966203	7.85920336	0.02000000	2.69847112
3194.000	16.24936400	8.38964768	7.85939672	0.54000000	2.69585984
3194.500	16.25408235	8.38975963	7.85959008	1.30000000	2.68743108
3195.000	16.25655717	8.38894107	7.85978344	0.82000000	2.68142844
3195.500	17.39554226	8.42253400	7.85997680	0.70000000	2.68937732
3196.000	18.27355158	8.50519455	7.86017016	0.98000000	2.68982861
3196.500	18.66252619	8.46818939	7.86036352	-0.01118109	2.70101517
3197.000	17.43673378	8.41217489	7.86055688	-1.70148606	2.72797062
3197.500	16.16737892	8.46818838	7.86075024	-2.87399144	2.74659667
3198.000	18.28264452	8.58774629	7.86094360	2.06000000	2.71252646
3198.500	19.77886573	8.57239704	7.86113696	2.22000000	2.66522037
3199.000	19.63903606	8.39783607	7.86133032	0.66000000	2.68997145
3199.500	19.26017057	8.34897805	7.86152368	0.15499946	2.69668398
3200.000	20.15575825	8.34953936	7.86171704	1.20852041	2.68685274

3200.500	21.02488278	8.34930171	7.86191040	0.90100347	2.68041467
3201.000	21.35792979	8.33495120	7.86210376	2.14000000	2.66707135
3201.500	19.16814981	8.32963384	7.86229712	0.22000000	2.68833042
3202.000	15.15673619	8.32991591	7.86249048	-1.18000000	2.71795377
3202.500	14.12822273	8.33001988	7.86268383	-0.78039744	2.71743213
3203.000	15.96059296	8.33001988	7.86287719	-0.30854671	2.70770787
3203.500	18.25015847	8.33001988	7.86307055	0.02588159	2.70458506
3204.000	20.38788115	8.32991591	7.86326391	-0.26000000	2.71264826
3204.500	21.04136933	8.32963384	7.86345727	-0.18000000	2.71631686
3205.000	21.01925837	8.33492206	7.86365063	-0.62000000	2.72022633
3205.500	21.89092609	8.34959159	7.86384399	-1.14000000	2.73080016
3206.000	25.19947797	8.35082458	7.86403735	-1.58000000	2.72661722
3206.500	29.02778302	8.33498467	7.86423071	0.62000000	2.71541312
3207.000	31.08352291	8.32824313	7.86442407	4.16440000	2.67491357
3207.500	35.66621093	8.32978734	7.86461743	3.74000000	2.64363906
3208.000	43.89502295	8.32969835	7.86481079	2.66000000	2.65154473
3208.500	55.01370896	8.32883232	7.86500415	3.50000000	2.65045941
3209.000	62.39252479	8.34992973	7.86519751	3.01801156	2.65234282
3209.500	64.02488799	8.37062357	7.86539087	4.41964969	2.65501747
3210.000	62.24657926	8.36892942	7.86558423	2.62000000	2.68069396
3210.500	58.35249342	8.38986122	7.86577759	4.10000000	2.64910802
3211.000	53.05343657	8.38526541	7.86597095	4.70000000	2.63223648
3211.500	49.62641902	8.33693597	7.86616431	5.42000000	2.61410005
3212.000	50.20991730	8.29359977	7.86635767	6.02509357	2.60139913
3212.500	55.81322623	8.28810623	7.86655103	5.82233470	2.60376843
3213.000	62.54201665	8.31614262	7.86674439	6.46663612	2.59118484
3213.500	70.06220792	8.34123115	7.86693775	6.46000000	2.59444117
3214.000	77.20743007	8.41336380	7.86713110	5.14000000	2.62103799
3214.500	82.78959817	8.57878683	7.86732446	7.97200000	2.54804982
3215.000	85.76790959	8.70880471	7.86751782	11.60000000	2.50816812
3215.500	87.24629968	8.67379962	7.86771118	11.86000000	2.51721891
3216.000	84.75031639	8.66762489	7.86790454	8.50000000	2.54924468
3216.500	79.93097649	8.67309597	7.86809790	8.32791280	2.56173447
3217.000	76.83956336	8.68308155	7.86829126	8.78050922	2.54242410
3217.500	75.28052504	8.63127393	7.86848462	12.11456287	2.50906992
3218.000	74.33005512	8.56988034	7.86867798	10.66000000	2.50917364
3218.500	72.08480215	8.69185919	7.86887134	7.66000000	2.57178631
3219.000	68.43611780	8.91264419	7.86906470	8.86000000	2.54505123
3219.500	66.29789574	8.89068351	7.86925806	11.65454895	2.50957247
3220.000	64.02772786	8.57096079	7.86945142	12.02709014	2.50469093
3220.500	59.21351301	8.35078288	7.86964478	8.34105859	2.55643136
3221.000	53.36713850	8.28463327	7.86983814	7.87045638	2.56564670
3221.500	46.69579709	8.26973728	7.87003150	8.72867907	2.55368298
3222.000	42.01242038	8.32937014	7.87022486	7.66202917	2.55287928
3222.500	38.30698391	8.54657052	7.87041822	1.30000000	2.64276752
3223.000	34.56193785	8.58565640	7.87061158	2.30000000	2.67329834
3223.500	29.77637857	8.45585477	7.87080494	5.18000000	2.63826860
3224.000	24.36849396	8.33720147	7.87099830	5.42000000	2.61407797
3224.500	20.72863454	8.30800560	7.87119166	2.31342857	2.67989105
3225.000	21.16822361	8.30942791	7.87138501	0.86000000	2.68929135
3225.500	26.10552553	8.28879579	7.87157837	0.98000000	2.68862927
3226.000	31.19363430	8.28936146	7.87177173	1.46000000	2.67939389
3226.500	37.68331229	8.29526330	7.87196509	2.30000000	2.66972003
3227.000	49.90985629	8.32375518	7.87215845	1.74000000	2.67113986
3227.500	59.50888383	8.39089862	7.87235193	1.38000000	2.67391079
3228.000	61.23896993	8.54597317	7.87254593	5.21680000	2.62693247
3228.500	53.13998802	8.54793330	7.87273908	7.42000000	2.58007423
3229.000	45.43152190	8.35675860	7.87276392	7.58000000	2.57873709
3229.500	36.50628945	8.32827208	7.87276382	4.01150000	2.63223376
3230.000	28.93629374	8.34115106	7.87276346	2.38000000	2.65666524
3230.500	26.07260391	8.32992370	7.87276342	2.72272914	2.66304239
3231.000	25.60978589	8.33004389	7.87276342	1.58951212	2.67312246
3231.500	27.59134838	8.33002004	7.87276342	1.49165682	2.67478299
3232.000	28.78420982	8.32891155	7.87276342	2.42000000	2.66490742
3232.500	29.37611669	8.31996107	7.87276342	2.66000000	2.66045903
3233.000	30.44140322	8.33528684	7.87276342	2.38000000	2.66278555
3233.500	33.58476639	8.32996656	7.87276342	1.66000000	2.66858982
3234.000	34.44255154	8.33096062	7.87276342	1.34000000	2.67929884

3234.500	34.95789733	8.34480713	7.87276342	2.34000000	2.67042187
3235.000	36.67017640	8.34967595	7.87276342	2.38000000	2.66218218
3235.500	41.63629784	8.32843420	7.87276342	-0.48400000	2.72952012
3236.000	47.10261374	8.32815395	7.87276342	-2.94000000	2.71489984
3236.500	52.29100349	8.34878103	7.87276342	4.74000000	2.63795344
3237.000	57.98366527	8.35556228	7.87276342	5.10000000	2.62429206
3237.500	63.68537467	8.40992706	7.87276342	4.38000000	2.62034923
3238.000	72.62184953	8.49319056	7.87276342	5.90000000	2.60801930
3238.500	74.94681501	8.54532430	7.87276342	8.34000000	2.56728172
3239.000	75.01308317	8.54976395	7.87276342	8.54000000	2.56738464
3239.500	75.07113284	8.54885193	7.87276342	6.38000000	2.58486946
3240.000	75.51754156	8.53931474	7.87276342	7.02000000	2.57652540
3240.500	74.79193396	8.52329017	7.87276342	5.86000000	2.60051613
3241.000	74.50811492	8.49371513	7.87276342	6.14000000	2.59779818
3241.500	73.17428499	8.46663701	7.87276342	4.24240000	2.63065931
3242.000	67.82539711	8.44716395	7.87276342	2.98000000	2.65185060
3242.500	54.83226058	8.42399719	7.87276342	3.30000000	2.64740029
3243.000	40.47027027	8.37459664	7.87276342	4.11400431	2.64069939
3243.500	34.47831780	8.33556054	7.87276342	3.31147225	2.65062592
3244.000	35.04026896	8.32422362	7.87276342	2.89804672	2.65392828
3244.500	37.34026290	8.28877130	7.87276342	3.02000000	2.65132814
3245.000	38.95161689	8.27487476	7.87276342	2.86000000	2.65455818
3245.500	37.79562466	8.27010982	7.87276342	2.42000000	2.66063024
3246.000	35.76006265	8.26968458	7.87276342	1.58000000	2.67709981
3246.500	35.36383697	8.25542834	7.87276342	0.78000000	2.68881385
3247.000	36.84054889	8.25011098	7.87276342	2.62000000	2.66814350
3247.500	39.45492736	8.25027474	7.87276342	3.18000000	2.65107865
3248.000	44.13865731	8.25020379	7.87276342	3.78000000	2.63653299
3248.500	54.90295294	8.25439959	7.87276342	3.38000000	2.65539252
3249.000	56.20249446	8.30453645	7.87276342	2.49253575	2.65776911
3249.500	52.93431685	8.33024343	7.87276342	4.39587030	2.65441294
3250.000	45.51895247	8.29322450	7.87276342	4.35726809	2.65625183
3250.500	43.28566418	8.26890147	7.87276342	3.30000000	2.66531193
3251.000	45.56569017	8.26960229	7.87276342	0.42000000	2.69139213
3251.500	49.07492470	8.26906253	7.87276342	0.98000000	2.69535765
3252.000	52.21571535	8.28961862	7.87276342	4.34000000	2.64758157
3252.500	55.12274414	8.29008690	7.87276342	5.48000000	2.61220752
3253.000	55.11379188	8.29029503	7.87276342	4.10000000	2.64272483
3253.500	55.03024036	8.29051432	7.87276342	2.54000000	2.65534488
3254.000	55.32204892	8.29664813	7.87276342	3.78000000	2.64351900
3254.500	54.31428255	8.32975445	7.87276342	5.20000000	2.62082563
3255.000	54.14359755	8.34907432	7.87276342	4.28000000	2.63130870
3255.500	55.55140833	8.34974606	7.87276342	3.76000000	2.63650921
3256.000	56.13151404	8.34993944	7.87276342	4.68000000	2.63129528
3256.500	56.15559574	8.34993944	7.87276342	4.10000000	2.63821182
3257.000	55.40673488	8.34974382	7.87276342	3.09879967	2.65077944
3257.500	56.22201156	8.34926077	7.87276342	2.95778888	2.65543332
3258.000	57.83491723	8.32867554	7.87276342	3.45817553	2.64379479
3258.500	58.03734000	8.32967458	7.87276342	3.98000000	2.63796048
3259.000	57.01338310	8.33004902	7.87276342	4.58000000	2.62828593
3259.500	56.80647878	8.33001988	7.87276342	4.88000000	2.62711999
3260.000	56.77951305	8.33001988	7.87276342	3.38000000	2.64890803
3260.500	55.02993542	8.33001988	7.87276342	3.62000000	2.64178503
3261.000	52.66759219	8.32991591	7.87276342	3.98000000	2.63887696
3261.500	51.49202047	8.32966298	7.87276342	4.14000000	2.63596464
3262.000	51.80060314	8.33456706	7.87276342	4.82000000	2.62368916
3262.500	52.77207946	8.34805153	7.87276342	5.58000000	2.60865414
3263.000	55.39665172	8.37002984	7.87276342	5.14000000	2.60825563
3263.500	59.68329325	8.39159990	7.87276342	3.82000000	2.64550116
3264.000	61.28355209	8.42381631	7.87276342	2.34000000	2.66331373
3264.500	60.71685899	8.45463054	7.87276342	2.06000000	2.66683101
3265.000	59.07590179	8.28085712	7.87276342	2.78000000	2.65716636
3265.500	59.83257092	8.25403661	7.87276342	4.46000000	2.63362134
3266.000	63.11452398	8.24795089	7.87276342	4.74120309	2.63125086
3266.500	64.56665580	8.24985749	7.87276342	3.07576173	2.64733885
3267.000	64.57415725	8.25056500	7.87276342	3.49054353	2.64533724
3267.500	64.48065538	8.25053586	7.87276342	3.86000000	2.63842473
3268.000	64.34317736	8.25034024	7.87276342	3.98000000	2.63512056

3268.500	65.34572107	8.24996116	7.87276342	4.50000000	2.63143686
3269.000	66.14026623	8.22968714	7.87276342	3.98000000	2.63355827
3269.500	64.94563044	8.22495553	7.87276342	3.86000000	2.63741090
3270.000	54.10239828	8.21016634	7.87276342	4.58000000	2.63064321
3270.500	26.06703521	8.23049384	7.87276342	4.88130016	2.62530291
3271.000	1.29430957	8.25165111	7.87276342	4.24028912	2.63388208
3271.500	0.15680665	8.25088116	7.87276342	3.29950230	2.65197019
3272.000	0.16041622	8.25046788	7.87276342	2.73709046	2.65606682
3272.500	0.17113666	8.25049702	7.87276342	3.10000000	2.65096172
3273.000	0.18177726	8.25049702	7.87276342	3.26000000	2.65003623
3273.500	0.19119247	8.25050135	7.87276342	3.66000000	2.64239498
3274.000	0.20060767	8.25096479	7.87276342	3.44000000	2.64219689
3274.500	0.21002288	8.25125218	7.87276342	2.96000000	2.65246886
3275.000	0.21943809	8.21641070	7.87276342	2.46000000	2.66133531
3275.500	0.22885330	8.21089237	7.87276342	4.44000000	2.63891260
3276.000	0.23826850	8.20566146	7.87276342	4.84000000	2.62645333
3276.500	0.24768371	8.19144405	7.87276342	5.16000000	2.61467278
3277.000	0.25709892	8.19062844	7.87276342	3.56000000	2.64367726
3277.500	0.26651412	8.19043535	7.87276342	3.16000000	2.64848794
3278.000	0.27592933	8.19576706	7.87276342	3.90000000	2.63585311
3278.500	0.28534454	8.20996026	7.87276342	3.92000000	2.63551557
3279.000	0.29475974	8.21214502	7.87276342	4.88000000	2.62884363
3279.500	0.30417495	8.18960137	7.87276342	4.94000000	2.62395518
3280.000	0.31359016	8.19107449	7.87276342	4.84000000	2.62352247
3280.500	0.32300536	8.19099646	7.87276342	4.62000000	2.62584815
3281.000	0.33242057	8.19026569	7.87276342	4.20000000	2.63451785
3281.500	0.34183578	8.17590547	7.87276342	3.62000000	2.64402615
3282.000	0.35125098	8.17058811	7.87276342	3.04000000	2.64875585
3282.500	0.36066619	8.17090903	7.87276342	1.00000000	2.68328437
3283.000	0.37008140	8.17082708	7.87276342	1.39491558	2.68407913
3283.500	0.37949661	8.17052285	7.87276342	4.01776731	2.65447979
3284.000	0.38891181	8.15049245	7.87276342	3.96664883	2.65023624
3284.500	0.39832702	8.11009627	7.87276342	2.92000000	2.66058090
3285.000	0.40774223	8.11085897	7.87276342	2.38000000	2.66207194
3285.500	0.41715743	8.09122197	7.87276342	1.28000000	2.67926887
3286.000	0.42678992	8.07302961	7.87276342	1.10000000	2.67836922
3286.500	0.43498228	8.05117799	7.87276342	3.16000000	2.64715665
3287.000	0.45504267	8.06690487	7.87276342	4.58000000	2.63321129
3287.500	-0.14409172	8.07244525	7.87276342	3.64000000	2.64889044
3288.000	1.28684435	8.06815776	7.87276342	2.06000000	2.66106626
3288.500	3.34722724	8.01101445	7.87276342	1.64000000	2.67488260
3289.000	9.00647977	7.93760237	7.87276342	2.40000000	2.66751801
3289.500	16.05594394	7.88905430	7.87276342	2.35753533	2.66458298
3290.000	34.70428872	7.88364664	7.87276342	1.66583156	2.66818500
3290.500	69.98729975	7.87247098	7.87276342	1.61318999	2.66628230
3291.000	70.00240780	7.83154639	7.87276342	2.94000000	2.65523250
3291.500	70.24687621	7.81072067	7.87276342	1.46000000	2.69533254
3292.000	71.04679146	7.81416667	7.87276342	0.46000000	2.69078171
3292.500	71.71860103	7.83500529	7.87276342	2.14000000	2.67290548
3293.000	67.23059310	7.85457235	7.87276342	1.50000000	2.67313107
3293.500	63.68049136	7.85317974	7.87276342	-0.14000000	2.70449633
3294.000	66.10712073	7.85263828	7.87276342	0.34000000	2.69890443
3294.500	70.19398442	7.85451498	7.87276342	0.58000000	2.69487378
3295.000	71.58031958	7.83305936	7.87276342	1.94000000	2.66712276
3295.500	68.97888749	7.81394724	7.87276342	2.99425122	2.65306193
3296.000	68.13975862	7.81329718	7.87276342	2.51138895	2.65682157
3296.500	68.14757554	7.81308243	7.87276342	3.25326732	2.64948176
3297.000	65.98462926	7.81312127	7.87276342	4.30000000	2.63372563
3297.500	63.61048489	7.81312127	7.87276342	4.82000000	2.62926552
3298.000	63.42139993	7.81312127	7.87276342	5.38000000	2.60534726
3298.500	68.34797078	7.81312127	7.87276342	10.25367794	2.48700621
3299.000	72.02909909	7.81312127	7.87276342	14.63857423	2.38543213
3299.500	70.50750398	7.81312127	7.87276342	20.01183861	2.38535202
3300.000	67.92306519	7.81312127	7.87276342	20.10000000	2.38540227