

~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

#MNE.M.UNIT	Data	Information
STRT.FT	3100.0000:	START DEPTH
STOP.FT	3900.0000:	STOP DEPTH
STEP.FT	0.5000:	STEP
NULL.	-999.2500:	NULL VALUE
COMP.	UNION OIL COMPANY OF CALIFORNIA:	COMPANY
WELL.	LUKACHUKAI #1 N-11 #519:	WELL
FLD .	WILDCAT:	FIELD
LOC .	660' FSL 1656' FWL:	LOCATION
SEC .	11:	SECTION
TWP .	36N:	TOWNSHIP
RANG.	29E:	RANGE
CNTY.	APACHE:	COUNTY
STAT.	ARIZONA:	STATE
CTRY.	:	COUNTRY
SRVC.	SCHLUMBERGER:	SERVICE COMPANY
DATE.	:	DATE
API .	02-001-20118:	API NUMBER
UWI .	02-001-20118:	UWI NUMBER
TVD .	NO:	TVD flag
WSTA.	OG:	Well status

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~Curve Information Block

#MNE.M.UNIT	API CODE	Curve Description
DEPT.FT	:	Depth in Feet
SP .MV	01 010 01 01:	Spontaneous Potential
LL8 .OHMM	:	Latero-Log 8
ILM .OHMM	05 120 44 01:	Medium Induction Standard Processed Resistivity
ILD .OHMM	05 120 46 01:	ILD

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~Parameter Information Block

#MNE.M.UNIT	Value	Description
DATE.	11/5/1969:	Date As Month-Day-Year
RUN .	ONE:	Run Number
PDAT.	GL:	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	3900.0000:	Total Depth
DF .	Precambrian granite:	
DD .FT	3896.0000:	Depth Driller
DL .FT	3995.0000:	Depth Logger
BLI .FT	3991.0000:	Bottom Log Interval
TLI .FT	3100.0000:	Top Log Interval
BS .IN	7 7/8:	Bit Size
DFT .	FGM:	Drilling Fluid Type
DFV .S	48.0000:	Drilling Fluid Viscosity
DFD .LB/G	9.0000:	Drilling Fluid Density
MSS .	FLOWLINE:	Mud Sample Source
RMS .OHMM	3.6000:	Resistivity Of Mud Sample
MST .DEGF	54.0000:	Mud Sample Temperature
RMF .OHMM	3.5000:	Mud Filtrate Resistivity

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MFST.DEGF          54.0000:  Mud Filtrate Sample Temperature
RMB .OHMM          1.9500:  Mud Resistivity At Bht
BHT .DEGF         100.0000:  Bottom Hole Temperature
TCS .              5 HRS:   Time Circulation Stopped
TLAB.              5 HRS:   Time Logger At Bottom
MRT .DEGF         100.0000:  Maximum Recorded Temperature
LUN .              3874:   Logging Unit Number
LUL .              FARM:   Logging Unit Location
ENGI.              ROBERTSON: Engineer'S Name
WITN.              V.O. GUSTAFSON: Witness' Name
DGBY.              LS:
WSTA.              OG:

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~Other Information Block

<DescLogPlotStart> NEURALOG PLOT DEFINITION

PLOTDEFVERSION: 3

LASFILE: O:\OG\_Data\RMCCS digitized wells project\Leah Spencer\las\0519DILL1.la

DEPTHSCALE: 600.000013

RESOLUTION: 200

DEPTHLABELFREQ: 100.000000

HEAVYGRIDFREQ: 50.000000

MEDIUMGRIDFREQ: 50.000000

LIGHTGRIDFREQ: 50.000000

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# TRACK 1

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STARTTRACK:

LEFTX: 0.500000 inch

RIGHTX: 3.000000 inch

SCALETYPE: Linear

NUMCHARTDIVISIONS: 10

CURVE: SP	0.000000	100.000000	(0,0,255)	Solid	2	N
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ENDTRACK:

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# TRACK 2

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STARTTRACK:

LEFTX: 3.500000 inch

RIGHTX: 8.500000 inch

SCALETYPE: Linear

NUMCHARTDIVISIONS: 4

CURVE: LL8	0.200000	2000.000000	(131,0,255)	Solid	2	N
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CURVE: ILM	0.200000	2000.000000	(255,131,189)	Dot	2	N
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CURVE: ILD	0.200000	2000.000000	(0,255,65)	Short_Dash	2	N
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ENDTRACK:

<DescLogPlotEnd>

<DescLog>DUAL INDUCTION-LATEROLOG

<DescOSVS>FDC-GR

<DescOSVS>SNP

<DescOSVS>

~A DEPTH	SP	LL8	ILM	ILD
3100.000	57.18562874	-999.25000000	1451.92917933	1328.33465046
3100.500	57.18562874	-999.25000000	1451.92917933	1334.41306991
3101.000	57.18562874	-999.25000000	1472.19057751	1334.41306991
3101.500	56.98602794	-999.25000000	1445.85075988	1328.33465046
3102.000	56.98602794	-999.25000000	1441.79848024	1336.43920973
3102.500	56.98602794	-999.25000000	1532.97477204	1399.24954407
3103.000	56.98602794	-999.25000000	1622.12492401	1468.13829787
3103.500	56.95123315	-999.25000000	1640.36933166	1486.67516579
3104.000	56.62913901	-999.25000000	1613.18421541	1498.28891247
3104.500	56.45714443	-999.25000000	1539.99337173	1498.50618375
3105.000	56.19316226	-999.25000000	1476.84068233	1480.72492448
3105.500	55.90525405	-999.25000000	1436.82422536	1428.48252464
3106.000	55.22113293	-999.25000000	1435.12465423	1402.27022326
3106.500	54.37847106	-999.25000000	1452.32409514	1399.98832627

3107.000	53.49986450	-999.25000000	1481.74806395	1399.25057041
3107.500	52.42262151	-999.25000000	1482.78447011	1402.62612452
3108.000	51.32451619	-999.25000000	1505.30584872	1414.50747534
3108.500	50.47737484	-999.25000000	1562.54162625	1443.70444930
3109.000	49.10495554	-999.25000000	1602.99484080	1464.08441809
3109.500	47.98370732	-999.25000000	1624.22721357	1481.79617753
3110.000	46.38908291	-999.25000000	1647.95679249	1495.36191894
3110.500	43.97481351	-999.25000000	1706.46536744	1514.47962092
3111.000	42.18485908	-999.25000000	1717.12749785	1549.07562228
3111.500	40.53560136	1883.49696049	1723.04485914	1570.79940808
3112.000	39.46249169	1883.49696049	1725.75158739	1575.60505267
3112.500	38.55581800	1883.49696049	1731.11461451	1576.75135652
3113.000	38.02855803	1883.49696049	1747.53155025	1579.53920188
3113.500	37.83599273	1883.49696049	1764.74640406	1583.22170480
3114.000	37.57949523	1883.49696049	1776.15441505	1585.94533923
3114.500	37.64356961	1883.49696049	1780.41995569	1586.64570248
3115.000	37.60238381	1883.49696049	1782.87841515	1589.74797944
3115.500	37.64906896	-999.25000000	1784.85775922	1585.81962876
3116.000	37.43389792	-999.25000000	1783.10102843	1579.47199291
3116.500	37.02995465	-999.25000000	1782.93858839	1569.03584053
3117.000	36.60710761	-999.25000000	1768.11065727	1561.85355266
3117.500	36.41811950	-999.25000000	1750.70907991	1549.13121959
3118.000	36.41500489	-999.25000000	1682.70332931	1528.39416210
3118.500	36.61706034	-999.25000000	1642.56360057	1523.97011591
3119.000	36.87192989	-999.25000000	1639.45989969	1522.71984748
3119.500	36.64293823	-999.25000000	1712.45254864	1529.26747988
3120.000	36.21191317	-999.25000000	1767.59543706	1537.11491364
3120.500	35.65827902	-999.25000000	1792.02586263	1536.87513726
3121.000	35.09346441	2003.27348585	1774.36825680	1544.28730507
3121.500	34.56070176	1998.05014575	1747.56849807	1557.56390489
3122.000	34.04107189	1990.45385913	1761.86456259	1570.62519738
3122.500	33.57213202	2017.50641303	1756.75022178	1570.82553239
3123.000	33.16107538	2034.42978762	1750.62156188	1581.09638990
3123.500	32.87972870	2008.98913474	1772.25424460	1586.68640986
3124.000	32.81869758	1976.11028959	1775.37622173	1585.33251651
3124.500	32.82703831	1924.77439667	1760.62414828	1585.45357754
3125.000	32.86853589	1878.02308803	1735.71153250	1575.35204482
3125.500	33.08134245	1867.74362856	1722.30887801	1555.89860435
3126.000	33.38105572	1894.28161737	1693.99999640	1546.38131024
3126.500	33.59170584	1838.39198363	1673.84158943	1546.12012900
3127.000	34.23652381	1853.81249972	1656.35197813	1542.86211785
3127.500	34.83822249	1898.32509046	1657.70490788	1540.32568897
3128.000	35.36044978	1944.56283231	1658.67021865	1538.87758928
3128.500	35.97169713	1969.36145106	1662.51774035	1539.29334231
3129.000	36.61491310	1974.48305649	1672.81235486	1549.54404688
3129.500	37.41181337	1950.07842925	1684.29239070	1566.46976949
3130.000	38.28077210	1945.13169036	1702.90650264	1576.15259951
3130.500	39.24372200	1952.64518602	1723.84790879	1583.69147732
3131.000	40.57158904	1956.06142078	1725.48024107	1602.78367315
3131.500	41.70868612	1868.50497248	1727.06586626	1628.13714917
3132.000	43.17590114	1833.62763951	1734.01775345	1638.10315119
3132.500	44.26769255	1829.50954326	1769.91602046	1647.21693876
3133.000	45.41355689	1810.76847489	1783.03752050	1667.13985664
3133.500	46.42442556	1794.39811531	1766.23752010	1672.27546754
3134.000	47.24276172	1778.12314825	1767.65406947	1675.43620664
3134.500	48.22629114	1761.01801328	1774.64181250	1683.76149180
3135.000	49.09111603	1745.02267627	-999.25000000	1744.59169510
3135.500	49.80937783	1725.14864535	-999.25000000	1730.14160604
3136.000	50.68901630	1703.90590381	-999.25000000	1711.86798083
3136.500	51.43695963	1672.51474908	-999.25000000	1675.83478869
3137.000	52.45421402	1566.85468977	-999.25000000	1588.33045464
3137.500	53.43339958	1437.41096648	-999.25000000	1434.39275503
3138.000	54.46056388	1339.68800923	-999.25000000	1339.09500810
3138.500	55.38379480	1244.12099646	-999.25000000	1343.48867524
3139.000	56.34220063	1189.39966097	-999.25000000	1337.95470716

3139.500	57.16894559	1185.42593712	1223.95485827	1332.60846824
3140.000	57.61076210	1264.26289123	1276.12776565	1323.98503502
3140.500	58.11880108	1458.16631391	1411.94023554	1317.40257058
3141.000	58.72546794	1652.50424418	1406.18784779	1313.55725834
3141.500	59.24651710	1886.36276250	1391.44480406	1327.34819546
3142.000	59.78665367	1790.05609161	1442.24863244	1369.66257246
3142.500	60.18550133	1657.47881740	1447.38759746	1413.52090410
3143.000	60.56689975	1555.72580621	1410.04993811	1405.71859175
3143.500	61.03393351	1476.24285714	1371.49278663	1374.87113702
3144.000	61.58330977	1437.74620061	1333.51395796	1335.92755458
3144.500	61.99236575	1368.27662006	1304.44822129	1298.48708112
3145.000	62.19365435	1287.81185410	1251.18573736	1250.46120191
3145.500	62.30338272	1273.62887538	1227.69750462	1229.61928822
3146.000	62.54867775	1295.91641337	1218.08479302	1218.25858213
3146.500	62.57694373	1320.23009119	1216.16195152	1216.15435300
3147.000	62.58476664	1308.07325228	1228.00502731	1226.99462317
3147.500	62.56262172	1315.62123380	1242.09402273	1240.34796904
3148.000	62.73371870	1357.24150472	1278.90202394	1256.18745623
3148.500	62.75366033	1381.57873704	1325.92136113	1281.84115552
3149.000	62.50884794	1529.98978423	1365.37610443	1313.14346002
3149.500	62.25026144	-999.25000000	1401.67773365	1339.68167900
3150.000	61.91788432	-999.25000000	1446.99188408	1384.94910157
3150.500	61.37963014	-999.25000000	1496.21119829	1444.44817108
3151.000	60.82655736	-999.25000000	1554.19868870	1491.97201310
3151.500	60.41982338	-999.25000000	1650.95496501	1545.13673085
3152.000	60.31958651	-999.25000000	1719.30135770	1573.67227588
3152.500	60.18232077	-999.25000000	1716.73646200	1579.35660348
3153.000	60.13067004	-999.25000000	1689.21910582	1573.94383807
3153.500	59.97692306	-999.25000000	1664.74428768	1558.20483279
3154.000	59.94165075	-999.25000000	1621.89755715	1549.99590439
3154.500	59.76556608	-999.25000000	1588.77647124	1548.85176391
3155.000	59.67319656	-999.25000000	1559.27685499	1553.33858794
3155.500	59.33960214	-999.25000000	1593.09175126	1570.57469210
3156.000	58.64459059	-999.25000000	1658.67746312	1570.74850513
3156.500	57.99226239	-999.25000000	1667.77434240	1553.00275146
3157.000	57.19369466	-999.25000000	1678.81215004	1549.55290916
3157.500	56.24286781	-999.25000000	1697.57480299	1552.54141631
3158.000	55.24368358	-999.25000000	1736.30773824	1562.06895630
3158.500	54.21572825	-999.25000000	1752.71042647	1586.71184388
3159.000	53.43161340	-999.25000000	1756.39993043	1593.21432157
3159.500	52.91876169	-999.25000000	1755.84471805	1596.02684676
3160.000	52.56097900	2020.90960029	1754.17527744	1590.45327574
3160.500	52.59684145	1941.18537836	1725.88311819	1561.17290194
3161.000	52.62167376	1977.83650158	1668.32164871	1531.87818624
3161.500	52.95320468	1922.52553610	1617.73702947	1518.70561080
3162.000	53.13131371	1929.43416810	1588.02531072	1515.09770274
3162.500	53.25884071	1941.85741788	1592.82878624	1514.23471250
3163.000	53.39306975	1957.12865339	1635.37036074	1510.64340310
3163.500	53.40795565	1968.69505534	1645.64832681	1506.74883543
3164.000	53.33835105	2001.14855900	1631.31075832	1506.51937349
3164.500	53.19641759	1925.20012511	1645.14387160	1508.15575036
3165.000	53.04453641	1931.08581923	1672.62596626	1524.37189172
3165.500	52.98956611	1957.80963430	1698.53389672	1542.47196194
3166.000	52.85106523	2016.39077784	1710.34698874	1550.68185400
3166.500	52.77526299	2019.80890598	1718.86665458	1556.96418495
3167.000	52.79971970	1924.52084500	1721.96588265	1560.91859852
3167.500	52.78761710	1938.12704555	1724.57649743	1564.46663529
3168.000	52.91634674	1988.94201440	1724.91486026	1571.34196257
3168.500	53.20424310	1977.22700389	1723.16727427	1576.82798262
3169.000	53.53050816	1921.43497855	1721.75259542	1591.57041503
3169.500	53.92567533	1929.77813835	1720.35052843	1608.93922310
3170.000	54.40903346	1981.46667301	1717.31981886	1612.94538264
3170.500	54.71389975	1991.02904079	1711.79739703	1618.20499194
3171.000	55.00937981	1982.92694021	1706.65823646	1622.44355618
3171.500	55.38132699	1951.36942120	1701.20253269	1625.97374329

3172.000	55.79296229	1944.17020913	1699.19034810	1633.17124880
3172.500	56.17910335	1981.57251911	1699.05787617	1640.39241471
3173.000	56.59837795	2014.24567125	1691.03570786	1632.84905292
3173.500	56.96085659	2008.73584076	1674.66814597	1603.79673542
3174.000	57.45387162	2012.08097665	1616.18693232	1574.19673703
3174.500	57.95613553	1955.62033340	1543.78340140	1539.56832047
3175.000	58.62890517	1747.78471433	1479.04140647	1471.13982201
3175.500	59.41918522	1558.71110007	1401.16030343	1419.08281118
3176.000	59.89696514	1432.79187920	1338.47225638	1385.28024244
3176.500	60.55909704	1407.24678060	1299.40033549	1351.38702732
3177.000	60.97786303	1373.50786451	1253.27526736	1319.55764761
3177.500	61.39106427	1341.93925174	1208.88837626	1274.18721292
3178.000	61.73874095	1309.29357078	1168.54515988	1246.61989682
3178.500	61.92978754	1233.14120010	1152.06048632	1225.93193891
3179.000	62.00354131	1189.45770739	1152.06048632	1181.83824402
3179.500	61.80201246	1269.27262728	1141.92978723	1155.67038676
3180.000	61.24418846	1425.04270857	1079.11945289	1121.01671668
3180.500	61.04827126	1243.68264475	1050.52193660	1100.27639515
3181.000	60.96993191	1105.30460561	1030.54612766	1081.45293077
3181.500	60.85648747	1087.20695175	1014.85847284	1051.94015194
3182.000	60.78357868	1063.63728719	991.15900269	1019.00899441
3182.500	60.77560139	1043.20990270	961.17503047	982.86541176
3183.000	60.77757737	1024.68362271	932.48018019	961.29374571
3183.500	60.77536544	1001.67650941	901.04703362	949.98828193
3184.000	60.77889047	948.15097228	891.40908684	947.44361023
3184.500	60.77334652	931.79939409	891.62151798	960.13975113
3185.000	60.78312582	920.81285351	913.18524527	978.58050542
3185.500	60.76297153	957.66416748	975.12272636	1002.84115821
3186.000	60.95229641	1070.40075107	1036.78527147	1034.62453891
3186.500	61.39957624	1246.74760836	1100.21151228	1069.38657069
3187.000	61.72031054	1359.66819323	1154.25964792	1099.73432228
3187.500	61.97212634	-999.25000000	1177.14276296	1116.09533121
3188.000	62.24755963	-999.25000000	1142.66721624	1116.12614879
3188.500	62.38167582	-999.25000000	1067.65528421	1111.08783292
3189.000	62.37031948	-999.25000000	1008.51630644	1117.90117686
3189.500	62.38920444	-999.25000000	998.31094647	1130.99604435
3190.000	62.21832179	-999.25000000	1036.52706180	1132.25899530
3190.500	62.03056761	-999.25000000	1165.64213818	1122.82206996
3191.000	62.02702495	-999.25000000	1187.64115208	1111.13565015
3191.500	62.22436670	-999.25000000	1191.47823652	1115.41131823
3192.000	62.42932707	-999.25000000	1260.89863343	1245.91906621
3192.500	62.59224275	-999.25000000	1342.97128574	1349.15873135
3193.000	62.55555205	-999.25000000	1476.24285714	1468.35792152
3193.500	62.73228998	-999.25000000	1556.88322188	1635.92495129
3194.000	62.77940415	1937.78400000	1640.36018237	1628.63109472
3194.500	62.78587841	1867.28784195	1636.30790274	1580.04880615
3195.000	62.62370115	1851.07872340	1614.02036474	1535.38099358
3195.500	62.57093754	1879.44468085	1603.88966565	1539.88023808
3196.000	62.53809522	1915.91519757	1630.22948328	1554.16167989
3196.500	62.32309232	1960.49027356	1678.15782067	1582.37149111
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3204.000	60.76446319	1569.44528875	1401.20636645	1380.96392871

3204.500	61.09937008	1518.79179331	1427.31690407	1418.44420006
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3232.500	63.62996188	1402.36928129	1319.77645287	1356.76956946
3233.000	63.77683525	1386.01020259	1324.29294630	1372.23379063
3233.500	63.90773931	1387.68172153	1322.41982964	1354.79332844
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3234.500	64.18878931	1351.00153625	1276.13579029	1278.50753489
3235.000	64.15074625	1345.14980616	1246.09334358	1257.71235644
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3313.500	49.29463483	1981.92702631	1774.43271581	1606.26655046
3314.000	49.00033980	1977.22258770	1746.21810507	1605.05651111
3314.500	48.99793327	1971.54734216	1714.83177627	1606.47108433
3315.000	49.00181125	1887.22087161	1685.12482251	1598.41274901
3315.500	48.98382642	1732.96675302	1656.81184278	1588.55872771
3316.000	49.09864413	1839.18870624	1636.45842936	1568.02812180
3316.500	49.28005999	1722.34724886	1616.45693205	1532.90462891
3317.000	49.62431864	1674.08934793	1561.42368992	1497.16825357
3317.500	50.00977644	1626.14733819	1489.06430850	1474.57725834
3318.000	50.27714588	1509.08667877	1475.47359173	1459.17833726
3318.500	50.70576847	1527.29632976	1476.78313639	1444.11986597
3319.000	51.11449034	1625.18147637	1468.13365785	1439.46441005
3319.500	51.96070905	1612.38167141	1452.79868863	1433.74717825
3320.000	52.51317142	1565.30029601	1455.62914393	1426.97073406
3320.500	52.88315952	1584.19803217	1464.37345038	1425.45189913
3321.000	53.31269042	1625.78090422	1477.48473686	1425.78535095
3321.500	53.88871390	1656.61321609	1482.04330464	1429.38761989
3322.000	54.49111814	1618.64498439	1473.95901563	1428.26615853
3322.500	55.09585564	1583.87900602	1471.89086795	1433.25499258
3323.000	55.66679339	1577.56355173	1486.73639156	1441.89921057
3323.500	56.18102687	1553.30494081	1505.71210437	1448.57687198
3324.000	56.79611143	1518.26106622	1520.64046109	1452.22873220
3324.500	57.30534327	1553.71797741	1538.72136732	1450.12711753
3325.000	57.59074156	1673.51956702	1542.37643706	1446.28247133
3325.500	57.78990699	1747.23188413	1530.67355002	1455.50396801
3326.000	57.96493983	1722.27766551	1536.24316951	1476.59917814
3326.500	58.01180602	1687.43659683	1565.41071781	1500.98570497
3327.000	58.15396639	1766.94865993	1609.18997505	1519.08630930
3327.500	58.28650478	-999.25000000	1628.34572066	1522.66211422
3328.000	58.41086089	-999.25000000	1630.89724101	1525.51582623
3328.500	58.57877190	-999.25000000	1632.31266544	1523.15139369
3329.000	58.77109460	-999.25000000	1628.12380164	1524.29307276
3329.500	58.78481837	-999.25000000	1589.62981442	1528.64026253
3330.000	58.78209591	-999.25000000	1573.02874749	1547.46894409
3330.500	58.78735587	-999.25000000	1600.84080449	1542.28154614
3331.000	58.76398827	-999.25000000	1645.12316118	1527.01707102
3331.500	58.60464220	-999.25000000	1635.16963111	1512.42502925
3332.000	58.56272692	-999.25000000	1605.50031950	1498.55603863
3332.500	58.40151617	-999.25000000	1542.51629279	1485.16454491
3333.000	58.38352553	-999.25000000	1497.23279202	1483.87929752
3333.500	58.36514760	1577.70175830	1500.92426216	1487.56893338
3334.000	58.20409150	1591.53301545	1533.45051157	1481.48205244

3334.500	58.17520768	1729.97558880	1551.72468534	1469.88948881
3335.000	58.19700577	1720.86587814	1545.68410743	1455.11864061
3335.500	58.08594212	1732.55022529	1518.65478802	1443.83364422
3336.000	57.95480806	1792.12118806	1491.47385126	1447.95863340
3336.500	57.80607544	1716.68331947	1485.30943686	1458.48682269
3337.000	57.78443855	1641.12857990	1502.99504567	1473.74300748
3337.500	57.76425446	1728.60843360	1535.21034068	1489.59038451
3338.000	57.61397891	1800.92154487	1549.45096079	1502.47252042
3338.500	57.48618539	1773.63637639	1574.84088096	1509.19273094
3339.000	57.35613489	1788.87075451	1595.19893507	1513.43647370
3339.500	57.20953000	1839.36465229	1633.54089023	1528.19909284
3340.000	57.16979565	2025.16622417	1665.68701676	1561.22957984
3340.500	56.94946944	2012.45652866	1699.89183693	1592.93330689
3341.000	56.74119305	2017.02513172	1740.09398207	1603.09836655
3341.500	56.47712696	1984.94699053	1756.54882541	1621.58178568
3342.000	56.17753394	1915.83550334	1772.81429635	1638.46509887
3342.500	55.99118754	-999.25000000	1777.37900762	1621.85663729
3343.000	55.80216348	-999.25000000	1759.44394665	1625.05205113
3343.500	55.78782281	-999.25000000	1722.81074028	1608.79850625
3344.000	55.77888604	-999.25000000	1687.93927810	1596.49959821
3344.500	55.51940742	-999.25000000	1649.57156673	1599.92825073
3345.000	55.26700353	-999.25000000	1654.62954185	1600.20656076
3345.500	54.89644675	-999.25000000	1667.35413542	1595.88945792
3346.000	54.48790287	-999.25000000	1681.62268007	1574.22545371
3346.500	54.16951080	-999.25000000	1666.33624345	1555.11568814
3347.000	54.03920225	-999.25000000	1615.73843692	1548.07900560
3347.500	53.77515059	-999.25000000	1574.89628852	1547.00624350
3348.000	53.36760367	1632.67791593	1570.20218224	1542.61482127
3348.500	53.21384080	1690.80429204	1594.73144028	1536.70826208
3349.000	52.89746561	1874.23923048	1606.52386755	1533.27413634
3349.500	52.49507709	1734.18188369	1602.83720052	1526.18968803
3350.000	52.09624142	1701.66861859	1604.64987823	1512.23162890
3350.500	51.69853136	1782.37030769	1597.58370113	1505.37757204
3351.000	51.29455596	-999.25000000	1580.69473459	1515.11183613
3351.500	50.91848174	-999.25000000	1585.38136423	1530.18995172
3352.000	50.67878946	-999.25000000	1614.44686857	1537.69544754
3352.500	50.30813191	-999.25000000	1655.67675694	1546.72382590
3353.000	49.89180602	-999.25000000	1694.13781797	1563.08373966
3353.500	49.51978818	-999.25000000	1719.43503621	1575.89463016
3354.000	48.91962497	-999.25000000	1726.63609751	1581.58362290
3354.500	48.16826485	-999.25000000	1761.30405444	1582.47194019
3355.000	47.72015716	-999.25000000	1745.52744860	1592.20240412
3355.500	47.19481615	-999.25000000	1714.91948614	1600.98729056
3356.000	46.70741728	1960.40967751	1690.56969788	1605.32612364
3356.500	46.20371732	1939.46176816	1733.61148388	1606.38439194
3357.000	45.77600284	1991.19498513	1719.19720148	1605.95341651
3357.500	45.63647379	1925.47883169	1726.23762851	1624.28657845
3358.000	45.59138658	1931.43573856	1764.93638706	1615.60388719
3358.500	45.69694059	-999.25000000	1791.83491603	1620.41133176
3359.000	45.92138984	-999.25000000	1796.08143525	1631.47511083
3359.500	45.99753614	-999.25000000	1817.72538592	1632.24827194
3360.000	45.81710261	-999.25000000	1824.03045956	1636.16255688
3360.500	45.66722127	-999.25000000	1825.92768978	1636.55795599
3361.000	45.45393205	-999.25000000	1799.63765314	1640.99435395
3361.500	45.41748741	-999.25000000	1773.31099189	1643.74456612
3362.000	45.31014358	-999.25000000	1742.90027965	1641.79196899
3362.500	45.19490420	-999.25000000	1732.05403451	1640.53490429
3363.000	45.21316273	-999.25000000	1765.69410622	1645.08021670
3363.500	45.20693947	-999.25000000	1787.43442572	1646.37694925
3364.000	45.20302068	-999.25000000	1804.61645720	1642.17294500
3364.500	45.23065964	-999.25000000	1806.56152825	1638.90313079
3365.000	45.38944002	-999.25000000	1815.07914038	1635.69601301
3365.500	45.71357033	-999.25000000	1825.92929586	1636.00008532
3366.000	46.00759594	-999.25000000	1851.16302027	1651.34295498
3366.500	46.29816912	-999.25000000	1883.16723064	1656.73567906

3367.000	46.62629099	-999.25000000	1888.95837968	1659.72552453
3367.500	46.77570435	-999.25000000	1880.25057182	1666.98465866
3368.000	46.89504056	-999.25000000	1878.04251387	1665.17730260
3368.500	47.13144016	-999.25000000	1880.86464473	1664.42906806
3369.000	47.40488753	-999.25000000	1872.22483193	1667.93256199
3369.500	47.68032607	-999.25000000	1849.22743446	1675.53503474
3370.000	48.18390288	-999.25000000	1817.84482139	1667.67205504
3370.500	48.82280807	-999.25000000	1785.78793244	1647.70741193
3371.000	49.52026557	-999.25000000	1757.84775899	1631.19707968
3371.500	50.00745606	-999.25000000	1729.40499199	1621.24209250
3372.000	50.55051141	-999.25000000	1699.51131959	1604.32017435
3372.500	51.23963790	-999.25000000	1693.05934714	1587.40177415
3373.000	51.88181970	-999.25000000	1683.47244136	1579.12787434
3373.500	52.29824155	-999.25000000	1661.70671660	1566.44021362
3374.000	52.69902446	-999.25000000	1652.21599926	1567.54160883
3374.500	53.08853455	-999.25000000	1648.42967826	1586.80958854
3375.000	53.50882217	-999.25000000	1679.67046492	1595.74846136
3375.500	53.79121523	-999.25000000	1710.57412692	1576.97993076
3376.000	54.08645460	-999.25000000	1696.10599291	1560.85949307
3376.500	54.41238221	-999.25000000	1675.04935068	1547.49823204
3377.000	54.57419837	1946.70930287	1654.66038916	1533.00707938
3377.500	54.88982093	1902.74877736	1622.96768982	1516.87049144
3378.000	55.27589156	1956.33755974	1583.21740444	1512.53775500
3378.500	55.49464381	-999.25000000	1542.79943904	1509.47559414
3379.000	55.68654310	-999.25000000	1519.19073725	1502.04915939
3379.500	55.90012433	-999.25000000	1529.99669949	1505.23647015
3380.000	55.99941103	-999.25000000	1551.35850759	1511.71724555
3380.500	55.98821110	-999.25000000	1587.79308888	1518.74761564
3381.000	55.97906935	-999.25000000	1631.61660825	1532.77974905
3381.500	55.78856682	-999.25000000	1676.33753082	1547.02481899
3382.000	55.59789556	-999.25000000	1722.87596857	1559.80302922
3382.500	55.31566576	-999.25000000	1787.62966431	1602.63045632
3383.000	55.07340997	-999.25000000	1828.61271313	1630.47172477
3383.500	54.68611193	-999.25000000	1853.22476267	1657.45924845
3384.000	54.38283606	-999.25000000	1868.78868217	1675.22264529
3384.500	54.12795810	-999.25000000	1865.57753934	1675.86609331
3385.000	53.85681093	-999.25000000	1864.48293732	1679.93407526
3385.500	53.59017122	-999.25000000	1860.89900685	1675.09365826
3386.000	53.39243338	-999.25000000	1855.25957416	1663.60129001
3386.500	53.19289925	-999.25000000	1828.98995960	1662.80639934
3387.000	53.00444039	-999.25000000	1794.94253764	1660.01790735
3387.500	53.01566148	-999.25000000	1759.74530097	1652.28475867
3388.000	53.15504713	-999.25000000	1712.20747902	1649.96945546
3388.500	53.02478264	-999.25000000	1705.22725560	1654.20063365
3389.000	52.90145374	-999.25000000	1716.14880436	1666.12482081
3389.500	52.68020080	-999.25000000	1728.70126761	1692.76479955
3390.000	52.25039628	-999.25000000	1762.12359034	1680.32199881
3390.500	51.63245795	-999.25000000	1785.66694575	1642.53354596
3391.000	51.12220975	-999.25000000	1759.07261809	1634.66896658
3391.500	50.86989333	-999.25000000	1709.88182349	1611.89443289
3392.000	50.59911646	-999.25000000	1647.85053670	1585.73535708
3392.500	50.60911325	-999.25000000	1608.19607704	1576.12549431
3393.000	50.56923370	-999.25000000	1590.34101911	1561.67089231
3393.500	50.80913952	-999.25000000	1567.34732397	1547.41291381
3394.000	51.29157166	-999.25000000	1548.63608718	1524.53784107
3394.500	51.50209653	-999.25000000	1508.69433106	1458.94412260
3395.000	51.60965869	-999.25000000	1430.91842589	1398.26089615
3395.500	51.59526324	-999.25000000	1352.70870049	1356.37993373
3396.000	51.58612383	-999.25000000	1297.72161969	1296.98117127
3396.500	51.38676669	-999.25000000	1219.61402119	1302.57615051
3397.000	50.94367528	-999.25000000	1172.89857685	1328.63499861
3397.500	50.68584420	-999.25000000	1254.75649874	1357.76076524
3398.000	50.50790874	-999.25000000	1358.87649878	1379.94229514
3398.500	50.28333024	-999.25000000	1377.20472993	1391.91760057
3399.000	50.20868918	-999.25000000	1568.26535984	1398.15583719

3399.500	50.38316014	-999.25000000	1521.08808012	1406.22537081
3400.000	50.41771057	-999.25000000	1529.24355383	1468.72537484
3400.500	50.50821425	-999.25000000	1547.29044257	1553.59547351
3401.000	50.57248439	-999.25000000	1566.54217300	1572.93700477
3401.500	50.75719725	-999.25000000	1583.85441398	1655.05450888
3402.000	50.80201073	-999.25000000	1601.95437227	1763.95471125
3402.500	50.81550463	-999.25000000	1621.47112821	1753.82401216
3403.000	50.61481361	-999.25000000	1643.31884929	1636.30790274
3403.500	50.20182712	-999.25000000	1661.95938181	1662.64772036
3404.000	49.78144411	-999.25000000	1597.76318294	1672.77841945
3404.500	49.59310451	-999.25000000	1596.39896168	1705.19665653
3405.000	49.56050129	-999.25000000	1729.86738814	1745.71945289
3405.500	49.38397027	-999.25000000	1701.58973620	1966.56869301
3406.000	49.40898928	-999.25000000	-999.25000000	2003.36310943
3406.500	49.39972859	-999.25000000	-999.25000000	1997.76618958
3407.000	49.39927555	-999.25000000	-999.25000000	1916.98900679
3407.500	49.41486282	-999.25000000	-999.25000000	1818.57778774
3408.000	49.23079686	-999.25000000	-999.25000000	1719.07757137
3408.500	48.65115059	-999.25000000	-999.25000000	1631.20937986
3409.000	48.17982126	-999.25000000	1420.49253266	1551.58019465
3409.500	47.85799156	-999.25000000	1221.89941023	1499.47449668
3410.000	47.60994852	-999.25000000	1241.34928269	1413.05960853
3410.500	47.26036382	-999.25000000	1204.27800203	1357.55343777
3411.000	46.92381433	-999.25000000	1180.00222260	1272.54630765
3411.500	46.82125442	-999.25000000	1139.93280958	1243.09596539
3412.000	47.19222694	-999.25000000	1152.82821513	1216.08725062
3412.500	47.73790467	-999.25000000	1235.23535214	1229.18008625
3413.000	48.27851019	-999.25000000	1281.02509166	1274.30075289
3413.500	49.25663225	-999.25000000	1327.72359014	1318.89384119
3414.000	50.19839507	-999.25000000	1368.94481046	1361.20183695
3414.500	51.01693165	-999.25000000	1403.48382078	1403.32945282
3415.000	51.60527724	-999.25000000	1443.53236680	1443.45808797
3415.500	52.03782801	-999.25000000	1466.81743292	1467.62314857
3416.000	52.61220506	-999.25000000	1488.19960434	1484.84109118
3416.500	53.01574752	-999.25000000	1498.57941516	1510.46605597
3417.000	53.77735092	-999.25000000	1590.77627554	1564.06813281
3417.500	54.14364372	-999.25000000	1634.79179331	1573.55777617
3418.000	54.38395682	-999.25000000	1678.44586987	1586.74212516
3418.500	54.78624035	1949.51542573	1723.47585287	1606.03198185
3419.000	55.33679422	1919.44942023	1743.49873266	1621.39864552
3419.500	55.80763785	1846.72880642	1722.24971151	1642.99707580
3420.000	56.17309965	1775.09020193	1683.99871072	1673.96078391
3420.500	56.52817722	1781.45356960	1669.66982777	1640.85661006
3421.000	56.96472111	1819.11346887	1655.27360594	1580.61281287
3421.500	57.22254880	1776.96201130	1620.37615478	1558.65587191
3422.000	57.13089170	1653.61627469	1565.21573321	1526.27100731
3422.500	56.95309018	1661.42136636	1511.67335942	1481.01747002
3423.000	56.58491165	1596.94523880	1469.09439684	1472.92262665
3423.500	56.32820525	1529.81622038	1457.16730876	1480.57064050
3424.000	56.13477055	1488.72022027	1467.83294378	1495.47553162
3424.500	55.97218672	1608.51876341	1505.79429801	1496.22189123
3425.000	56.11884824	1736.24389244	1551.16865851	1491.85254723
3425.500	56.38887016	1863.18606293	1559.60297523	1463.72290421
3426.000	56.74364909	1917.28640635	1552.13706349	1432.78818880
3426.500	56.93926509	-999.25000000	1527.34338914	1415.07376364
3427.000	56.99673436	-999.25000000	1384.81841911	1403.28121011
3427.500	56.98214941	-999.25000000	1312.48918760	1405.05525816
3428.000	56.98415924	-999.25000000	1325.65491830	1403.77909402
3428.500	57.01872619	-999.25000000	1470.43593504	1392.12484384
3429.000	57.25503167	-999.25000000	1454.99101734	1383.58912256
3429.500	57.38117560	-999.25000000	1432.23212213	1380.23181084
3430.000	57.52775575	-999.25000000	1468.68860537	1366.69004095
3430.500	57.65754050	-999.25000000	1491.58356198	1378.65836710
3431.000	57.74873942	-999.25000000	1490.57877493	1411.50833399
3431.500	57.79338330	-999.25000000	1485.17856020	1452.34530677

3432.000	57.78038127	-999.25000000	1497.50406212	1507.03996357
3432.500	57.79396155	-999.25000000	1538.27849940	1519.74292786
3433.000	57.77410988	1739.77781143	1536.74126962	1525.44417979
3433.500	57.80976656	1668.96218308	1531.54907744	1519.89322311
3434.000	57.59111133	1631.54674047	1530.49986370	1502.80235503
3434.500	57.22566031	1628.88088450	1557.93056555	1492.36088838
3435.000	57.00507363	1759.76586820	1578.01293108	1500.54227391
3435.500	56.57076017	1882.96726292	1576.54303800	1511.18686431
3436.000	56.32285999	1803.60561145	1535.53979950	1502.20750040
3436.500	56.17568121	1615.80738685	1480.69055149	1478.45793385
3437.000	56.31634738	1588.90776712	1485.76947887	1449.72301680
3437.500	56.59065657	1699.85538122	1471.45109390	1420.34374146
3438.000	56.94552399	1674.70196580	1422.11254885	1389.49922685
3438.500	57.13963036	1594.47701857	1353.16466963	1358.32579065
3439.000	57.23100953	1495.54768216	1319.64195781	1342.13203990
3439.500	57.46598468	1463.39742569	1317.89983275	1337.14492633
3440.000	57.42291764	1461.69655057	1318.49595121	1326.39611955
3440.500	57.00060118	1465.84119818	1332.02094338	1326.01411824
3441.000	56.57250529	1496.18787386	1372.57044661	1326.88972271
3441.500	55.76890446	1693.49674148	1398.37482427	1332.99818594
3442.000	54.59112337	1678.83552599	1410.71404964	1350.69918058
3442.500	53.41532009	1572.13466390	1427.38867835	1372.03671429
3443.000	51.93340756	1583.79915512	1453.01053337	1392.51542368
3443.500	50.93352317	1594.26288210	1479.78991999	1413.27230260
3444.000	49.96472960	1603.42905087	1492.41478735	1425.30222888
3444.500	49.28758533	1626.16820558	1494.77870955	1425.29137987
3445.000	48.25759772	1648.42400300	1485.60719427	1423.44255285
3445.500	47.03426530	1590.91989877	1471.71010000	1425.79388607
3446.000	45.79099915	1572.54572047	1466.08232618	1434.19244550
3446.500	45.16425761	1615.83355249	1485.63582404	1438.56705865
3447.000	45.29597349	1648.10636447	1515.16775934	1441.64045087
3447.500	45.80219928	1669.54720841	1516.01676223	1439.09935267
3448.000	46.18928701	1739.50609433	1510.86785343	1412.29250357
3448.500	46.77061367	1932.58215089	1461.67781789	1373.39096496
3449.000	47.75401562	1883.63131353	1400.90908370	1344.00231028
3449.500	48.86272158	1490.38531307	1321.04788245	1327.59598468
3450.000	50.10991151	1293.89027356	1307.09196162	1317.66774257
3450.500	51.56444717	1312.12553191	1302.97008853	1309.41696342
3451.000	51.83459921	1380.70631246	1305.96284162	1301.33398428
3451.500	51.66707764	1437.74620061	1312.39601091	1276.39136268
3452.000	50.97138844	1524.72331763	1313.04340745	1252.10517119
3452.500	51.25377354	1626.17720365	1312.87714569	1231.02189208
3453.000	52.35834844	1597.81124620	1263.12433962	1218.90095136
3453.500	53.80913341	1406.85907729	1210.54401831	1206.34049142
3454.000	55.67577496	1262.06547796	1170.00931070	1182.26480876
3454.500	57.93171981	1217.70175740	1142.88709521	1169.42540365
3455.000	59.97315080	1179.51413604	1130.37975008	1162.51591214
3455.500	61.54066536	1144.42026486	1124.77266215	1152.98382017
3456.000	62.90565719	1160.03904987	1139.00689464	1134.99661080
3456.500	63.77453697	1328.80530389	1148.02922758	1114.73638764
3457.000	64.13163667	1411.47007632	1145.37890452	1098.86035924
3457.500	64.36010319	1316.96980880	1101.10150656	1090.84125220
3458.000	64.79591332	1181.05271241	1069.40439627	1087.57197024
3458.500	65.01957875	1129.49585983	1053.15171370	1082.45770581
3459.000	65.36476654	1068.39616208	1045.71763539	1076.58461418
3459.500	65.77134122	1073.34344247	1041.79973225	1057.16442856
3460.000	66.17999323	1093.31079883	1034.39801930	1041.52736849
3460.500	66.39851924	1141.56381888	1028.12231136	1031.09260825
3461.000	66.34254420	1128.84175280	1024.32407430	1023.74176808
3461.500	66.53462172	1102.62344599	1015.82010460	1016.14188920
3462.000	66.53470257	1080.30856246	1006.98198094	1006.80891234
3462.500	66.34048426	1058.52788344	999.66472974	999.69480402
3463.000	66.39757133	1052.75150313	991.91827084	991.90863948
3463.500	66.29968934	1078.16857055	980.62463879	980.52594880
3464.000	66.18417630	1065.40496944	953.87888658	954.07729299

3464.500	65.97105753	980.36076617	941.31412791	940.69097312
3465.000	65.74181189	953.66906945	936.58308975	934.66446133
3465.500	65.77531247	954.51410575	932.48725538	928.76677575
3466.000	65.79821727	965.10007446	928.92496187	926.62530425
3466.500	66.03454928	978.84906166	927.30914161	927.88164956
3467.000	66.17673699	1005.24033100	934.94891505	934.44218654
3467.500	66.16291344	1028.94569269	945.54213321	946.15967083
3468.000	66.18386754	1031.76776257	969.53555772	960.73496651
3468.500	66.02600860	1033.56475322	996.39600694	983.34294859
3469.000	65.82978066	1030.33889013	1024.46650868	1026.73305035
3469.500	65.58441339	1103.35347247	1048.59584458	1066.47531425
3470.000	65.15372011	1268.41300391	1101.29535975	1086.83457944
3470.500	64.55071200	1420.11594196	1141.65479563	1107.36864110
3471.000	63.96684840	1411.16714256	1150.03074268	1127.46780880
3471.500	62.95681620	1357.15808704	1153.20118758	1142.36135611
3472.000	61.66719179	1244.48633602	1151.21974048	1148.22274985
3472.500	60.92282840	1186.58109316	1151.89691400	1150.23396020
3473.000	59.72560660	1133.82522796	1127.41214687	1137.56573102
3473.500	58.38702883	1127.74680851	1088.50407999	1120.09273256
3474.000	56.75389979	1127.74680851	1083.97023261	1111.07790964
3474.500	55.19063749	1127.74680851	1082.54078325	1106.86347129
3475.000	54.61802664	1139.90364742	1089.45842931	1109.09509299
3475.500	55.13670974	1190.55714286	1112.38262640	1124.46947743
3476.000	56.16909588	1265.52431611	1153.21338973	1159.43887021
3476.500	57.38215942	1395.76902083	1196.00009669	1199.25093843
3477.000	58.77620642	1378.17600275	1236.99176529	1238.97735165
3477.500	59.65834455	1361.96538872	1287.45691228	1270.65647535
3478.000	60.43928378	1470.63301874	1356.24452702	1300.27054367
3478.500	61.03278892	1707.53657460	1414.87105097	1342.37962392
3479.000	61.59351887	1672.51099565	1434.55628007	1367.81661350
3479.500	61.97228513	1611.56679329	1445.29886200	1383.82151701
3480.000	62.37563531	1628.83822857	1448.68929389	1378.77740274
3480.500	62.65938493	1638.91172268	1416.07992593	1369.28891238
3481.000	62.96880267	1533.37316758	1388.66833147	1353.00813604
3481.500	63.38071555	1396.35612930	1365.52270022	1337.13316136
3482.000	63.77030494	1382.32943527	1347.78956907	1324.45093646
3482.500	64.18320885	1424.35212107	1327.11226059	1316.96871155
3483.000	64.53739395	1460.83142390	1311.63730986	1295.32800164
3483.500	64.58906319	1419.25635095	1304.96714933	1282.33728992
3484.000	64.52914420	1409.22716286	1315.43442146	1289.21033612
3484.500	64.32368621	1412.13508147	1339.47504629	1299.22191412
3485.000	64.01982020	1468.65297221	1355.20009861	1302.50163925
3485.500	63.90156134	1571.69175982	1373.77411904	1306.22211796
3486.000	63.47752195	1566.42493938	1380.59665639	1313.67216728
3486.500	63.19956794	1542.14661074	1377.50656450	1321.01211687
3487.000	63.17139337	1490.25408779	1369.92824374	1329.51855758
3487.500	63.16885402	1421.95351261	1371.09464122	1334.90466625
3488.000	63.17833057	1409.14385067	1372.60372757	1340.13565676
3488.500	63.15793853	1458.18405056	1373.59183005	1345.68291340
3489.000	63.22355992	1481.96717452	1375.87868829	1349.06398432
3489.500	63.37974644	1469.32574599	1375.34916739	1348.48201669
3490.000	63.40794487	1462.82707916	1390.04321469	1356.29299975
3490.500	63.52081758	1485.46981987	1408.78023225	1363.07419891
3491.000	63.61202508	1512.87832015	1416.79105489	1361.01993805
3491.500	63.82923754	1539.95668649	1413.01587841	1355.12332848
3492.000	64.11013125	1555.23022343	1390.05582010	1344.76387869
3492.500	64.36451836	1472.99831175	1352.57058267	1331.33969130
3493.000	64.77265148	1368.23759857	1326.15169926	1321.45669228
3493.500	65.17468305	1348.83169592	1306.14247469	1306.91016724
3494.000	65.43840745	1354.84413693	1291.34221801	1291.01612618
3494.500	65.57849881	1363.09767146	1274.70430254	1275.11450714
3495.000	65.56403609	1349.85343811	1261.81184004	1258.74368056
3495.500	65.58403637	1340.30492388	1257.53017883	1247.18469191
3496.000	65.52332945	1355.41503212	1257.11050920	1241.20929755
3496.500	65.35508086	1358.24685711	1257.65727151	1241.02828094

3497.000	65.38596943	1338.22931943	1262.56364102	1242.63886414
3497.500	65.22886567	1359.75787169	1278.16492274	1249.17606445
3498.000	65.11616454	1418.41554955	1297.47278344	1257.13088666
3498.500	64.83199406	1453.39894123	1308.24518293	1268.26263282
3499.000	64.58169930	1415.47401854	1315.99799676	1280.67845685
3499.500	64.16371932	1451.72355934	1330.35179988	1293.28182429
3500.000	63.76152269	1468.06798573	1345.75404679	1313.48482845
3500.500	63.49303859	1454.98591500	1363.36152440	1334.59454155
3501.000	63.13480991	1436.70945463	1387.11493486	1353.95455091
3501.500	62.55658710	1527.54809858	1421.35293310	1368.15641900
3502.000	62.19098389	1759.67025824	1464.57202160	1385.25622474
3502.500	61.63618371	1748.69557201	1480.63980395	1398.48596273
3503.000	61.11504673	1655.77249388	1492.11235573	1416.59883058
3503.500	60.57433974	1665.68541983	1501.98901833	1437.60660556
3504.000	60.14832118	1672.65622843	1513.46570972	1468.84561589
3504.500	59.50576747	1661.94324301	1525.62943464	1484.42569960
3505.000	58.98585612	1690.67408849	1542.83807836	1489.90906106
3505.500	58.55348558	1789.40553431	1573.21141821	1495.91577568
3506.000	58.37766330	1849.25586405	1579.46084935	1506.09512982
3506.500	58.22651629	1818.88191884	1577.24638808	1510.61115683
3507.000	58.20605607	1745.66370992	1581.69016593	1514.07008260
3507.500	58.43300579	1674.89252552	1598.63637672	1518.62429400
3508.000	58.76331321	1847.06355083	1622.66276755	1519.51507824
3508.500	59.18681926	1821.64746661	1627.92369911	1506.67532218
3509.000	59.57719775	1755.26711964	1592.14571294	1482.45446090
3509.500	59.98168525	1687.66792084	1522.27987008	1454.71565426
3510.000	60.35799265	1618.41031302	1480.77574190	1434.34339716
3510.500	60.57929769	1537.39188566	1440.99385917	1410.36107950
3511.000	61.14431742	1544.50625413	1423.47382143	1398.98718032
3511.500	61.41061505	1539.31624911	1414.85801678	1399.37730368
3512.000	61.36533335	1520.61185216	1430.61036905	1398.90316069
3512.500	61.38287492	1556.93463455	1465.98893518	1402.24375654
3513.000	61.37925799	1601.42658569	1500.18180600	1417.96016405
3513.500	61.36679639	-999.25000000	1532.78305613	1431.54480209
3514.000	61.42506597	-999.25000000	1557.28498820	1441.50338012
3514.500	61.59058704	-999.25000000	1573.88356542	1450.66033574
3515.000	61.69208683	-999.25000000	1567.54599890	1440.29604017
3515.500	61.99335216	-999.25000000	1488.00585272	1442.63563509
3516.000	62.21385942	-999.25000000	1442.45078461	1446.90054410
3516.500	62.68495744	-999.25000000	1454.32288152	1466.21350188
3517.000	62.78880032	-999.25000000	1484.23274190	1473.29418494
3517.500	62.78222403	-999.25000000	1526.00651383	1459.57217043
3518.000	62.61742870	-999.25000000	1558.94185947	1451.91853028
3518.500	62.60759924	-999.25000000	1564.20699352	1438.59081937
3519.000	62.91928982	-999.25000000	1555.33365145	1428.82508644
3519.500	63.18262814	-999.25000000	1500.05332502	1419.40529252
3520.000	63.62135600	-999.25000000	1442.80266205	1402.25483085
3520.500	63.98283323	1499.65317910	1408.60591657	1385.38006108
3521.000	64.19320196	1465.29870371	1367.78579573	1366.15550992
3521.500	64.16937325	1469.49906250	1353.31627776	1341.15071156
3522.000	64.04226629	1469.24674135	1334.90069867	1310.40564705
3522.500	63.80886995	1494.99467835	1321.80890094	1283.32055132
3523.000	63.76695862	1505.12521170	1306.60240940	1278.13589434
3523.500	63.77960080	1432.98010986	1307.04287227	1294.82977240
3524.000	63.76534044	1386.04477595	1338.79701094	1315.00151689
3524.500	63.78829975	1430.09567005	1381.49423096	1338.18030463
3525.000	63.62195831	-999.25000000	1420.85701030	1356.42440697
3525.500	63.43787876	-999.25000000	1455.39953028	1370.72750904
3526.000	63.16347866	-999.25000000	1489.76402501	1388.76235768
3526.500	62.95656409	-999.25000000	1510.99176896	1415.22092183
3527.000	62.84823237	-999.25000000	1514.22496302	1446.90505561
3527.500	62.70340605	1620.01507812	1525.75084197	1470.09884880
3528.000	62.57246750	1615.64276557	1544.85618232	1476.97026522
3528.500	62.56964940	1647.81577132	1539.32798060	1472.48440854
3529.000	62.60798090	1660.16321563	1508.64902714	1460.32726677

3529.500	62.84260985	1595.45944329	1502.43543036	1448.95040903
3530.000	62.97331397	1617.44452235	1519.83523662	1444.19543695
3530.500	62.98916733	1662.75007433	1523.02425037	1443.77814204
3531.000	62.92123452	1656.54840310	1500.68269857	1442.66397497
3531.500	62.77532857	1648.58917395	1473.65552671	1444.52492983
3532.000	62.63468559	1613.25313298	1470.39942848	1449.25181784
3532.500	62.43300552	1660.73074797	1483.86962613	1458.42404385
3533.000	62.17660880	1639.25654965	1508.73983286	1474.53298006
3533.500	61.91694776	1668.09234855	1529.87838365	1486.51281417
3534.000	61.59532031	1752.21461857	1571.68523874	1485.88661900
3534.500	61.25764073	-999.25000000	1591.15624902	1487.75203863
3535.000	60.81997353	-999.25000000	1577.99379852	1480.49767880
3535.500	60.74840002	-999.25000000	1537.20906870	1472.09143699
3536.000	60.86366842	-999.25000000	1501.40391791	1464.70589743
3536.500	61.37474948	-999.25000000	1461.83196479	1449.51196528
3537.000	61.78695772	-999.25000000	1440.17748004	1418.04893045
3537.500	62.12397925	-999.25000000	1424.71547525	1380.74422131
3538.000	62.37131383	1603.99767830	1368.96600763	1357.21895862
3538.500	62.64251261	1493.24291885	1327.23672041	1327.83647349
3539.000	62.82213911	1464.25723347	1329.79554483	1324.88144368
3539.500	63.00496808	1509.43197401	1335.04455120	1319.92740528
3540.000	62.86641325	1559.61234869	1340.38981653	1318.67825437
3540.500	62.68320606	1575.89870984	1341.22316303	1317.84887771
3541.000	62.38076228	1516.57214833	1349.26377458	1324.05473073
3541.500	62.11611407	1524.79678709	1375.28280400	1337.53257524
3542.000	61.81178602	1569.98928965	1406.60968777	1360.43424376
3542.500	61.21576790	1616.84146201	1452.76663571	1396.54321819
3543.000	60.78411654	1731.95582456	1492.96835196	1424.01013526
3543.500	60.23790967	1840.82660668	1531.09367518	1448.87748939
3544.000	59.73703432	1915.18700966	1563.07887625	1488.01620434
3544.500	59.08776507	1931.00335708	1605.25348396	1522.97741412
3545.000	58.34075008	1920.46437715	1636.86816745	1547.46380222
3545.500	58.03382522	1906.42213494	1659.70782389	1568.00648066
3546.000	57.35720125	1899.85966913	1674.60554967	1575.70113649
3546.500	56.83443341	1879.25067600	1680.60442964	1580.31224917
3547.000	56.42560954	1856.70950384	1672.65633847	1579.24586777
3547.500	55.70311339	1876.55280787	1672.12348667	1575.35562488
3548.000	55.07203997	1925.53138166	1680.18590973	1567.99621417
3548.500	54.38222433	1900.51747225	1689.39386589	1561.68524982
3549.000	53.74322279	1865.58922413	1701.43592332	1559.02774410
3549.500	53.01489961	1923.92334536	1703.77609575	1559.46202432
3550.000	52.16999498	1969.95367740	1704.66091548	1560.04233735
3550.500	51.21663267	1950.55486920	1702.23904407	1561.72944078
3551.000	50.18321896	1885.55626962	1699.61219367	1553.42978247
3551.500	49.25198464	-999.25000000	1691.97518978	1548.83533921
3552.000	48.05938890	-999.25000000	1686.88590129	1547.56182832
3552.500	46.81567506	-999.25000000	1679.07448583	1542.95595261
3553.000	45.87736374	-999.25000000	1665.58455423	1539.01763314
3553.500	44.74450227	1886.34762983	1653.43769961	1535.48463702
3554.000	44.58800406	1823.66622561	1647.46025926	1533.01469142
3554.500	44.59471523	1833.26437151	1646.63443270	1530.31051099
3555.000	44.79147220	1856.67111201	1644.63604795	1528.40542616
3555.500	45.17709831	1805.49892714	1646.22468027	1525.49466104
3556.000	45.35095305	1741.84708493	1650.37758566	1523.03422883
3556.500	45.43631599	1751.63727695	1655.22147265	1524.47946834
3557.000	45.35667171	1775.13642995	1660.13766057	1523.08999993
3557.500	45.17214235	1745.92729530	1661.71249747	1519.03017977
3558.000	44.81340729	1755.07342536	1659.53165817	1517.08313687
3558.500	44.54200712	1824.39334694	1645.52927759	1511.00979279
3559.000	44.27466815	1856.00818312	1627.96099967	1506.74691916
3559.500	44.01070757	1835.25296985	1635.89402319	1506.91250626
3560.000	43.63108170	1857.97483096	1630.76026379	1510.45836553
3560.500	43.60951544	1886.97156263	1608.46588540	1517.70801883
3561.000	43.61130800	1910.27710881	1597.52705940	1529.65139148
3561.500	44.19475507	1985.70477919	1614.28019067	1542.44201545

3562.000	44.98284549	2036.12973706	1639.38579148	1550.11225812
3562.500	45.89883829	1981.27347354	1641.74962375	1559.78534468
3563.000	47.04269699	1756.76382408	1646.96463959	1570.73368233
3563.500	48.46400505	1770.57041544	1657.55034454	1576.62641543
3564.000	49.86252046	1757.70821278	1658.02945247	1560.38703829
3564.500	50.89615379	1927.27229699	1635.13876625	1533.71878919
3565.000	52.30451682	1782.43385527	1572.07726064	1514.48000228
3565.500	53.59630078	1628.31509447	1528.47198193	1498.56145942
3566.000	54.97612427	1569.44528875	1524.59362666	1489.12216640
3566.500	56.42810700	1605.91580547	1530.02806129	1466.62086713
3567.000	57.56546144	1756.78217629	1523.27715141	1420.91026853
3567.500	58.68645378	1869.17215198	1489.63046455	1379.86419020
3568.000	59.39820196	1915.91519757	1393.81219860	1339.66646727
3568.500	59.97607073	1722.03543699	1304.20277054	1304.68701172
3569.000	60.78496949	1481.53575777	1270.73388133	1296.55246463
3569.500	61.71502528	1252.48761512	1252.35242077	1291.41286541
3570.000	62.62051585	1275.98534953	1270.75722750	1291.81967729
3570.500	63.15072079	-999.25000000	1322.78880448	1292.86632886
3571.000	63.55112753	-999.25000000	1357.97416309	1300.48865749
3571.500	63.81360065	-999.25000000	1381.93964961	1313.63934530
3572.000	63.71424311	-999.25000000	1404.12301118	1344.60260108
3572.500	63.56817245	-999.25000000	1499.38820659	1405.91513822
3573.000	63.57752341	-999.25000000	1545.62799390	1427.57845162
3573.500	63.57139909	-999.25000000	1533.12490493	1434.04475230
3574.000	63.57461950	1838.92188450	1492.84578308	1431.42440306
3574.500	63.56971464	1686.96139818	1457.80266482	1424.36799461
3575.000	63.69999926	1567.41914894	1418.06439354	1415.78421394
3575.500	63.97753874	1545.13161094	1416.60830469	1404.87459703
3576.000	64.23093392	1549.18389058	1412.84754875	1398.66441152
3576.500	64.42439896	1609.96808511	1415.36163427	1385.76913834
3577.000	64.59180002	1642.38632219	1419.61596734	1378.67519250
3577.500	64.53180346	1671.61061982	1432.33262605	1385.94108457
3578.000	64.31399298	1712.93622371	1453.30185753	1401.20197460
3578.500	64.16786089	1728.87259027	1475.53989746	1420.52166730
3579.000	64.05168297	1752.87641280	1506.94466817	1437.94199214
3579.500	63.76556552	1830.61717105	1543.35942809	1458.06324795
3580.000	63.39185858	1922.03357367	1572.81185529	1479.68865191
3580.500	62.77437105	1884.89702677	1602.35920942	1504.36357940
3581.000	62.16256413	1912.98743214	1638.50384291	1527.25227904
3581.500	61.75789172	-999.25000000	1665.34705323	1540.59385237
3582.000	61.56533723	-999.25000000	1680.17532485	1557.97996228
3582.500	61.55222599	-999.25000000	1684.63987879	1578.66960355
3583.000	61.77926583	-999.25000000	1690.76710845	1574.71306724
3583.500	61.97787588	-999.25000000	1698.50181887	1566.49108074
3584.000	62.15592438	-999.25000000	1643.84356731	1551.38638652
3584.500	62.43773157	-999.25000000	1579.64455524	1525.96438718
3585.000	62.75811463	1782.94917522	1541.71662449	1507.33961123
3585.500	63.05212878	1708.81339977	1510.23140850	1490.99207074
3586.000	63.17496011	1718.85943848	1501.55852565	1457.69719803
3586.500	63.17298185	1735.42691707	1501.26562674	1432.09505889
3587.000	63.17744214	1728.82359379	1471.53135768	1399.98639644
3587.500	63.16577080	1705.81253092	1426.16001906	1367.46293677
3588.000	63.31274187	1615.63444382	1384.33300478	1350.27094618
3588.500	63.53093164	1517.54683262	1354.50762473	1335.06590168
3589.000	63.71246208	1478.02040137	1348.67581226	1326.02736609
3589.500	63.93792701	1468.77540038	1346.79171061	1327.05129081
3590.000	63.96674301	1478.12027627	1351.57338116	1324.08212449
3590.500	64.01833579	1509.84432475	1365.23397318	1314.46192654
3591.000	64.18640219	1685.73122927	1368.28745999	1298.38397608
3591.500	64.16428193	1675.48169076	1349.99880495	1298.41295222
3592.000	64.29845719	-999.25000000	1328.30634584	1307.59895469
3592.500	64.70912595	-999.25000000	1332.41141219	1334.35350185
3593.000	65.10137866	-999.25000000	1355.30010289	1353.31692587
3593.500	65.39086087	-999.25000000	1404.95240437	1377.94023068
3594.000	65.32708234	-999.25000000	1457.76400055	1385.58909389

3594.500	65.12025800	-999.25000000	1486.20688916	1397.85411084
3595.000	64.92425277	1854.48813944	1512.01682048	1417.02769766
3595.500	64.72216001	1723.79341092	1530.70586973	1436.68950572
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3597.000	64.03212366	1673.29942683	1489.41900132	1446.46015634
3597.500	63.78355123	1543.10547112	1444.28981614	1434.45291194
3598.000	63.36650657	1526.89635258	1409.22517605	1406.74943919
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3599.000	62.41153467	1626.17720365	1350.65653959	1349.00472065
3599.500	61.37092469	1495.98758967	1318.70665764	1346.61174117
3600.000	60.26083846	1364.80314709	1323.45383082	1346.52881698
3600.500	60.19237328	1403.30182371	1355.32541638	1352.65039166
3601.000	60.57143494	1564.77453704	1391.99724895	1358.95729730
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3602.000	61.88458913	1727.89525115	1444.21840786	1358.76942693
3602.500	62.39317215	1714.24845850	1457.87163672	1359.90810172
3603.000	62.75943707	1728.50182147	1448.86926356	1347.69360448
3603.500	63.18390628	1703.28507156	1403.32795384	1320.09227857
3604.000	63.55660144	1539.41588884	1312.04640802	1294.47501662
3604.500	64.12416028	1356.64867353	1277.74578234	1273.36366074
3605.000	64.58266755	1333.40840211	1252.62794857	1253.31747248
3605.500	64.96681498	1348.18091974	1233.13039989	1231.44118645
3606.000	65.36918616	1294.95525279	1212.00151368	1207.31694435
3606.500	65.77466925	1306.23897874	1202.22274470	1193.15759562
3607.000	66.15501046	1356.53719340	1199.36404216	1191.49158224
3607.500	66.72094474	1312.20801686	1205.46360038	1194.95873535
3608.000	67.17553713	1331.40533931	1225.99380168	1205.39397750
3608.500	67.57213853	1408.15093625	1244.19499705	1228.28288961
3609.000	67.82429319	1395.84709287	1278.44715813	1253.49441660
3609.500	68.01846241	-999.25000000	1322.84621927	1285.59086157
3610.000	68.17649446	-999.25000000	1378.41806646	1310.68008823
3610.500	68.15841001	-999.25000000	1434.90093648	1318.70418508
3611.000	68.16706005	-999.25000000	1444.94211915	1313.53000247
3611.500	68.16065400	-999.25000000	1408.11257903	1290.32639899
3612.000	68.16235869	-999.25000000	1348.60165877	1265.72978926
3612.500	68.31102449	-999.25000000	1200.10387412	1227.66314517
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3613.500	69.43150968	-999.25000000	1148.64561711	1198.77971329
3614.000	69.74469630	1236.02478910	1153.84591580	1182.84939122
3614.500	70.04205390	1274.06781669	1162.50220518	1162.38297298
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3615.500	70.16406339	1362.34795728	1174.01703384	1158.15873603
3616.000	70.16633552	1366.17687892	1187.93829561	1176.44125384
3616.500	70.03591264	1302.39062701	1208.24602370	1188.72309678
3617.000	69.76273932	1355.28322746	1239.13569770	1190.07594303
3617.500	69.37616294	1347.02806690	1257.57464645	1179.89273004
3618.000	68.81576079	1291.19329916	1193.59718589	1158.07580194
3618.500	68.35411805	1241.04563710	1138.15717235	1130.20065655
3619.000	67.97381854	1186.68655091	1106.57549666	1105.33471541
3619.500	67.56856424	1155.29772969	1075.90761049	1085.97130583
3620.000	67.09009022	1169.57218925	1053.36147403	1072.74122032
3620.500	66.21284585	1111.97118920	1045.91328774	1065.45270054
3621.000	65.79363304	1116.94406451	1058.29379301	1065.11076435
3621.500	65.14064911	1185.33341295	1073.57572426	1063.65146578
3622.000	63.98234102	1224.89145741	1094.33694391	1077.79198984
3622.500	61.83216966	1199.54361368	1122.91049851	1105.42975628
3623.000	60.78155749	1225.97514361	1144.34167834	1142.80400257
3623.500	60.75599900	1429.77557038	1198.35240497	1169.92834459
3624.000	60.50777200	1522.23596333	1258.55821970	1189.36928658
3624.500	60.24071512	1535.71559029	1271.91617921	1193.68433681
3625.000	60.01918051	1550.75636191	1235.57127376	1173.54348619
3625.500	59.84646066	1522.09190050	1151.44509076	1149.84367072
3626.000	59.58591053	-999.25000000	1086.02581043	1132.29765223
3626.500	59.19699486	-999.25000000	1052.37895394	1134.64497557

3627.000	58.71323738	-999.25000000	1074.64056391	1136.98242189
3627.500	57.66798091	-999.25000000	1135.79553209	1128.36338981
3628.000	56.88762843	-999.25000000	1176.98945527	1105.92267606
3628.500	55.58471971	-999.25000000	1150.33655651	1089.96762306
3629.000	54.03822801	-999.25000000	1133.70765172	1075.94014166
3629.500	52.57198112	-999.25000000	1129.27276491	1083.53938691
3630.000	51.34809405	-999.25000000	1107.38443513	1099.09925808
3630.500	51.18817306	-999.25000000	1081.76865591	1105.68427953
3631.000	51.21098131	1121.89730894	1078.14352610	1109.30194958
3631.500	52.30552730	1173.83008221	1091.12954144	1111.20125341
3632.000	53.65036155	1227.63440593	1099.49928408	1102.08318691
3632.500	55.60049868	1259.79700922	1106.98767674	1086.37466394
3633.000	57.22335588	1273.96228144	1115.17635658	1081.38611143
3633.500	58.37942919	1322.80558828	1121.66317864	1082.86077356
3634.000	59.44467775	1345.23429535	1117.21859360	1087.11225283
3634.500	60.75621118	1263.84809881	1094.85995002	1094.25029148
3635.000	62.66818431	1170.64782475	1088.45197452	1105.06967730
3635.500	64.06824992	1147.92951670	1095.90113626	1108.47996256
3636.000	64.13184788	1228.72664175	1103.91341741	1109.16119489
3636.500	63.08526613	1253.06500493	1112.33979533	1113.59792583
3637.000	61.57151886	1226.99897668	1122.64738998	1122.86693742
3637.500	59.80569802	1221.39009363	1153.84802044	1151.09226706
3638.000	57.59138141	1318.75459035	1207.72043862	1173.01108917
3638.500	55.77686048	1449.96886839	1253.14267475	1187.86430706
3639.000	56.19167761	1503.77779382	1248.82239204	1194.96148073
3639.500	57.84027405	1480.44944275	1224.73536599	1194.17924586
3640.000	59.40285864	1382.95118845	1196.60464464	1191.97592502
3640.500	61.10013148	1278.40890770	1162.78438546	1184.80142507
3641.000	62.95460447	1186.10848615	1143.67146644	1175.99524955
3641.500	63.77701348	1194.91556383	1140.35148581	1165.50443212
3642.000	63.80294497	1221.53248241	1146.30064329	1149.72895563
3642.500	63.98270119	1314.02127953	1150.98013373	1137.89359999
3643.000	63.55208088	1307.16367222	1146.90821357	1128.41002092
3643.500	64.10839091	1260.26391696	1139.88898600	1127.58392025
3644.000	65.44736560	1229.33177472	1133.41696320	1127.79392467
3644.500	66.87889680	1247.15033954	1126.90215637	1127.44620760
3645.000	67.92199808	1253.69403056	1120.78261996	1123.32775848
3645.500	68.34160892	1224.93121952	1113.61514400	1114.97720905
3646.000	68.52530303	1183.86498829	1108.49285115	1105.86648875
3646.500	68.57637282	1180.45382935	1108.06259026	1101.05160506
3647.000	68.00294380	1188.04569523	1111.81913252	1101.14649753
3647.500	66.96994526	1214.96530655	1120.92925814	1097.15948176
3648.000	64.93665065	1259.88738250	1123.19463063	1093.73805270
3648.500	62.42265292	1281.12577248	1114.56143990	1097.19753537
3649.000	59.98634055	1191.63342739	1113.22089924	1102.43993212
3649.500	58.01216816	1127.21134252	1119.08399469	1117.47670406
3650.000	56.40842360	1165.82036851	1142.68616237	1140.73712403
3650.500	55.02021119	1282.41823951	1166.76975130	1162.39770339
3651.000	53.56861528	1311.31507599	1192.61329346	1183.91480619
3651.500	51.47302782	1342.65270517	1219.31405535	1214.03156684
3652.000	48.35265673	1418.16018237	1266.52166276	1243.21222319
3652.500	46.88487790	1555.13567629	1321.85099025	1282.26978012
3653.000	45.81546037	1660.62158055	1363.31603244	1296.81050182
3653.500	45.41157290	1730.86784802	1381.83034161	1298.84998046
3654.000	45.13512317	1780.16382979	1372.02345596	1293.88935864
3654.500	45.57432834	1675.85561930	1329.49977137	1273.70566146
3655.000	46.45143576	1364.80516717	1287.51695143	1247.10000167
3655.500	47.56760329	1291.86413374	1246.22200665	1211.49645615
3656.000	48.40170777	1262.78902736	1207.15208096	1177.39436486
3656.500	48.65119754	1214.87082067	1169.35576110	1161.22647319
3657.000	48.40946448	1174.34802432	1162.28685142	1148.50852446
3657.500	47.45158845	1225.81197568	1174.76328955	1142.05791443
3658.000	46.01877195	1388.78115502	1206.80528815	1137.25540866
3658.500	43.83445051	1626.17720365	1224.08951585	1127.65615557
3659.000	41.42073446	1711.40387075	1224.24317565	1124.01559569

3659.500	39.00588875	1691.06579767	1218.05442027	1123.53329358
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3660.500	34.56229132	1558.70338690	1200.73422506	1123.41067872
3661.000	33.01303477	1516.94447678	1189.15185956	1119.19936957
3661.500	32.23029430	1517.93026401	1176.14700071	1113.25769369
3662.000	32.01916027	1512.77060901	1163.98831850	1110.01160932
3662.500	32.43172760	1479.06762513	1155.25896285	1109.41256709
3663.000	33.54262712	1430.22123858	1153.95358310	1115.69628596
3663.500	35.58398503	1375.83829764	1160.81395785	1123.23195359
3664.000	38.30540125	1253.70446271	1171.52130084	1136.70280235
3664.500	41.12429776	1230.70011099	1197.49238226	1144.13381109
3665.000	43.76906892	1280.50518773	1223.79666924	1142.43727034
3665.500	45.50046666	1325.12085080	1218.77802232	1127.05326524
3666.000	46.20449422	1625.39181263	1165.20903220	1101.78381708
3666.500	46.18006581	1561.00724400	1105.51748981	1094.96756587
3667.000	46.00133749	1125.35723004	1075.52206489	1095.26728194
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3668.500	48.61865618	1241.36766500	1114.21906501	1095.77767538
3669.000	50.04646743	1277.62564102	1138.68386887	1103.17037846
3669.500	50.38997768	1278.62724484	1163.94604099	1119.05209320
3670.000	50.22628961	1288.77278560	1188.84851423	1146.20607964
3670.500	48.36451262	1341.38715164	1214.13950144	1191.28195996
3671.000	47.18929506	1380.46792351	1235.92851892	1231.19263698
3671.500	46.36873197	1388.19496775	1270.61650739	1265.46790542
3672.000	46.20111824	1372.88299395	1312.72241286	1308.62778563
3672.500	46.56584985	1351.07815759	1353.82460201	1326.24000333
3673.000	47.04310374	1429.60834840	1385.41624957	1335.56568858
3673.500	47.69692252	1610.68554713	1391.40914205	1341.99731405
3674.000	48.87854700	1591.18640824	1389.40965347	1350.77022701
3674.500	50.00093419	1488.06739018	1388.84498473	1359.84913776
3675.000	50.85823617	1450.95497232	1397.31699613	1376.14715924
3675.500	51.89733381	1477.62978103	1409.93011723	1382.55547960
3676.000	53.03506304	1580.78314162	1412.79988206	1375.63675213
3676.500	53.61825646	1560.25658281	1399.01615947	1345.73234303
3677.000	53.84908421	1497.18948613	1384.05472441	1327.99649510
3677.500	54.16370520	1465.20826714	1368.61817946	1312.16423573
3678.000	54.19469277	1430.47229867	1336.41063203	1286.48142114
3678.500	54.24860937	1397.57116985	1299.75356863	1253.81668484
3679.000	54.40557476	1370.72522954	1263.80566795	1225.77089810
3679.500	54.38359017	1310.61457281	1224.30370538	1205.51020524
3680.000	53.90402558	1255.99869425	1199.98030098	1192.52384875
3680.500	52.87432000	1212.72204796	1191.10915337	1189.96726764
3681.000	51.75932488	1220.75753305	1193.05580722	1190.67786654
3681.500	49.87714534	1272.43636272	1211.15892930	1190.07216305
3682.000	49.98335128	1333.09308261	1232.64713649	1190.92900996
3682.500	50.15880491	1382.72719840	1247.80872408	1189.48817391
3683.000	49.82289693	1459.15398913	1246.13915167	1196.74490188
3683.500	49.30014415	1411.16063244	1235.25489581	1207.27861339
3684.000	48.56931893	1243.29656272	1234.63238453	1230.07652859
3684.500	48.21224474	1251.19963039	1240.95241306	1246.20114237
3685.000	47.82047293	1296.24135672	1251.71454316	1250.21503216
3685.500	47.40402936	1350.94474908	1264.15853136	1255.95915061
3686.000	47.00541245	1443.48510305	1276.73991576	1258.15283623
3686.500	47.06800606	1561.33675896	1293.72007010	1264.11933996
3687.000	47.74718697	1595.78505850	1308.81530371	1271.42561098
3687.500	48.78019184	1468.77414725	1316.52608815	1280.47526712
3688.000	49.85499288	1391.81004996	1324.14699904	1288.14071166
3688.500	50.82919470	1406.78833829	1326.50115556	1285.88244192
3689.000	52.69202469	1449.17877139	1310.48424960	1281.53465601
3689.500	55.23613310	1387.97341319	1276.38555158	1265.91589262
3690.000	58.87278585	1298.40975934	1253.03506101	1247.45633023
3690.500	61.89235985	1308.29970354	1246.04288669	1237.50233379
3691.000	64.16066759	1337.14736587	1238.93999513	1231.04523437
3691.500	66.09405564	1352.43571323	1231.10805883	1217.26753284

3692.000	66.98180826	1350.07356579	1228.76847006	1211.10379729
3692.500	67.79226290	1342.17769695	1233.74714355	1214.52002591
3693.000	68.39475786	1312.53251723	1241.19713010	1222.21426150
3693.500	68.76623727	1317.62290024	1258.61594748	1238.44059627
3694.000	69.14683332	1341.75448393	1291.85463383	1256.84569044
3694.500	69.16230740	1435.88345806	1326.56681908	1268.88544710
3695.000	69.17930517	1557.12846878	1369.87150786	1275.51682021
3695.500	69.01292542	1781.47468253	1381.43285295	1283.14858029
3696.000	68.95280322	1773.88467776	1366.78122923	1296.24072041
3696.500	68.96399799	1560.03655910	1334.61747018	1309.71909471
3697.000	69.09407183	1354.82245670	1328.16542656	1318.05626892
3697.500	69.33189001	1362.26243877	1328.37872752	1313.40499407
3698.000	69.36030252	1410.02357133	1328.46345815	1303.59799427
3698.500	69.37589768	1443.02581527	1327.26277677	1293.56360768
3699.000	69.30832744	1450.42503132	1323.99976920	1289.28242016
3699.500	69.15994050	1453.94763351	1325.66990376	1292.25382056
3700.000	69.01860073	1445.52457578	1334.51014545	1300.58293810
3700.500	68.70949358	1431.46360529	1362.68645320	1322.76410888
3701.000	68.51311524	1459.25719155	1390.29417952	1331.54774277
3701.500	68.30643532	1511.26352045	1414.13776551	1332.42605079
3702.000	68.14015264	1553.74654089	1416.87749667	1314.23932700
3702.500	68.20974883	1580.89707889	1395.37050478	1287.64579096
3703.000	68.52697675	1567.23316173	1334.91922687	1265.04119095
3703.500	69.16414433	1439.80485603	1262.95254404	1239.65973680
3704.000	69.78264371	1303.03584203	1214.78245398	1235.66805476
3704.500	70.15290524	1228.86433319	1202.63104214	1230.46542025
3705.000	70.53425056	1245.73630588	1222.06475784	1228.86027870
3705.500	70.56179827	1392.36084827	1246.68413040	1228.98179727
3706.000	70.55873623	1517.19594924	1272.69625453	1228.77613360
3706.500	70.56071894	1571.69415815	1280.97578932	1231.23207171
3707.000	70.58114346	1503.92199809	1295.44759521	1243.13984265
3707.500	70.97523589	1448.96385653	1319.00246689	1263.60794674
3708.000	71.16994119	1419.23164088	1333.85101333	1284.48508411
3708.500	71.28734414	1409.77869912	1335.15011600	1294.52191348
3709.000	71.42182297	1409.76328702	1330.06111680	1293.06672346
3709.500	71.57522810	1401.28591865	1323.04275173	1286.86763536
3710.000	71.68711543	1383.09301850	1313.01899170	1274.56646215
3710.500	71.88543576	1378.88219268	1303.98074748	1262.93874609
3711.000	71.94449374	1372.53617661	1294.02612577	1254.25348460
3711.500	72.11731817	1362.63791528	1284.32001792	1246.59531829
3712.000	72.12106288	1347.99908685	1274.52932932	1241.01645330
3712.500	71.93822708	1326.24959949	1264.42613707	1238.39443046
3713.000	71.96525431	1308.84257138	1263.27327595	1236.76388430
3713.500	71.95659569	1333.70446702	1264.53376014	1233.06435502
3714.000	71.95186127	1361.18403709	1266.54896093	1233.66779086
3714.500	71.97276831	1349.24188925	1268.82238912	1236.50328944
3715.000	71.80074939	1327.61489755	1285.30856609	1256.44383143
3715.500	71.75931541	1325.81515165	1315.40689962	1294.28409985
3716.000	71.58549168	1467.85003126	1349.09616134	1305.65817988
3716.500	71.13636862	1590.11806195	1388.85927186	1312.51297066
3717.000	70.80482878	1676.58062399	1414.14592275	1329.91462461
3717.500	70.60575795	1678.95254668	1424.88943014	1340.46160143
3718.000	70.53391112	1586.66507388	1411.30586108	1346.22705485
3718.500	70.71354042	1502.89949043	1389.25452907	1350.52760381
3719.000	70.76447827	1408.02666833	1383.87539885	1350.51658748
3719.500	70.76981673	1417.63348591	1379.77015101	1338.30065082
3720.000	70.92339394	1474.37804880	1368.65329579	1314.87081109
3720.500	71.09363616	1481.22251567	1350.47308772	1303.67959781
3721.000	71.16212656	1439.53585081	1331.76634648	1297.32733752
3721.500	71.16488256	1396.19536435	1326.96222108	1291.56703170
3722.000	71.02203799	1397.06426825	1337.33221440	1289.44003445
3722.500	70.90298297	1435.10629101	1355.99176896	1290.31157731
3723.000	70.71779612	1466.84695857	1360.38486192	1291.97567804
3723.500	70.49917935	1467.36848750	1354.72524724	1297.53829336
3724.000	70.35676439	1451.07481958	1348.94999293	1307.57710701

3724.500	70.23481573	1438.02013984	1355.11813395	1323.64749082
3725.000	69.93433071	1432.19346983	1382.74110651	1338.24032763
3725.500	69.28138591	1468.65352282	1412.12277386	1351.77005358
3726.000	68.81015818	1571.68401921	1441.26039251	1363.57740546
3726.500	68.56578963	1625.02688888	1469.39575145	1377.64468416
3727.000	68.29906540	1595.75352442	1484.47402478	1385.27834490
3727.500	68.11102705	1582.69054446	1495.47545016	1395.27607923
3728.000	67.94884587	1579.78142963	1502.79149208	1408.40538339
3728.500	67.96816925	1584.35372532	1494.70223605	1409.03383230
3729.000	67.96097664	1576.94470510	1472.62038852	1399.11493966
3729.500	67.96298434	1537.38624860	1439.21088250	1385.12544460
3730.000	68.00924170	1477.90062112	1406.15047074	1370.44430454
3730.500	68.11150211	1433.53218969	1386.34067042	1350.68822200
3731.000	68.15440749	1412.58604843	1371.05685432	1339.96261687
3731.500	68.18442510	1416.87807041	1366.47045468	1336.97467403
3732.000	67.98515891	1430.58125357	1366.45706652	1334.59136497
3732.500	67.55795548	1434.77265418	1369.81775828	1334.58977401
3733.000	67.17531395	1442.59632016	1390.16318459	1338.45601443
3733.500	66.63409038	1481.99744653	1403.16404470	1348.33352245
3734.000	65.99411754	1522.96169485	1409.68130456	1360.20294336
3734.500	65.70905928	1529.98601798	1416.91721002	1366.22316165
3735.000	65.38785396	1520.35187012	1437.06296709	1378.69767566
3735.500	64.95334416	1527.97079014	1438.64813765	1389.31865910
3736.000	64.71246365	1523.12498821	1435.12851718	1400.40642216
3736.500	64.52631150	1494.57751735	1446.19470381	1415.01999159
3737.000	64.31124538	1514.97512292	1472.77668615	1417.87001023
3737.500	64.16597000	1703.93764501	1478.95869745	1417.51846615
3738.000	64.05267830	1676.54165764	1471.13199621	1411.52890247
3738.500	63.76716644	1582.42456215	1445.40492358	1396.60103030
3739.000	63.42641063	1546.12700613	1411.99436989	1373.14626378
3739.500	63.19440265	1500.22044433	1386.39459306	1344.90413260
3740.000	62.74859709	1491.27526454	1340.99241071	1310.61943510
3740.500	62.15899662	1494.01211687	1282.77905298	1267.05751847
3741.000	61.48359980	1417.87614406	1232.19662889	1253.77876151
3741.500	60.27815359	1286.22625594	1208.22922719	1253.19299184
3742.000	57.73751333	1249.05057704	1213.17518736	1259.16052061
3742.500	56.47694194	1282.68160174	1259.01905655	1266.89118000
3743.000	56.03178122	1471.05044164	1298.93828903	1273.16343086
3743.500	55.95620075	1565.69225092	1326.82532135	1279.20737934
3744.000	56.02219818	1599.76018468	1351.94854844	1302.31301004
3744.500	56.23956050	1585.67927838	1383.24010864	1340.32868113
3745.000	56.40713875	1583.43105902	1406.24876539	1359.92070319
3745.500	56.82035218	1574.33756078	1402.17640581	1367.29732294
3746.000	57.55112970	1585.88390839	1382.80482296	1365.87931295
3746.500	58.59417278	1443.54394326	1365.54846787	1355.95138437
3747.000	59.46727051	1403.06997418	1350.36220112	1339.13288971
3747.500	60.12473231	1408.33521349	1334.14044756	1322.07646106
3748.000	60.58583305	1443.83644458	1319.18820005	1305.53132565
3748.500	60.40338493	1450.04116181	1301.65942654	1288.93104985
3749.000	59.97024149	1421.79789015	1289.60307100	1277.58174581
3749.500	59.63195519	1405.54628229	1278.75086190	1263.73908413
3750.000	59.45697025	1409.13131966	1262.49293754	1249.35220089
3750.500	59.17674696	1367.39652323	1244.26862580	1247.86904511
3751.000	58.91745081	1317.76689351	1233.45222218	1247.29229986
3751.500	58.59218318	1311.26754178	1238.83637253	1250.04590751
3752.000	58.14278744	1316.04004256	1252.00976239	1252.50656318
3752.500	57.51454626	1358.12086290	1272.53983065	1255.57098342
3753.000	57.00304738	1412.31548264	1294.13027852	1257.49503615
3753.500	57.00694909	1434.02481329	1306.88786899	1258.89783878
3754.000	57.51111372	1428.29659700	1310.31469064	1259.41027194
3754.500	58.05371929	1492.22910073	1292.33076450	1255.10424240
3755.000	58.57525083	1552.43008476	1241.72752558	1253.46279972
3755.500	59.03150103	1319.76526975	1229.95647973	1258.68477758
3756.000	59.59611350	1285.14602226	1234.96608576	1261.92284492
3756.500	59.95695260	1275.27447741	1236.36791184	1246.03765546

3757.000	59.94564922	1261.70428003	1222.29594419	1230.48774650
3757.500	59.61507331	1226.98428077	1209.46043862	1209.82958594
3758.000	58.87492857	-999.25000000	1218.94131101	1233.35859746
3758.500	58.39744875	-999.25000000	1303.18590966	1312.59854151
3759.000	58.27570992	-999.25000000	1388.70505243	1329.78247618
3759.500	58.53252037	-999.25000000	1439.07331979	1350.62697303
3760.000	58.59112659	-999.25000000	1470.77720146	1370.50666876
3760.500	58.59022489	-999.25000000	1558.37282160	1428.43554608
3761.000	58.53429895	-999.25000000	1598.08798666	1488.32752936
3761.500	58.37494029	-999.25000000	1633.43364771	1532.08556607
3762.000	58.35529695	-999.25000000	1661.21994382	1597.42539066
3762.500	58.01807828	-999.25000000	1737.49111631	1610.37674791
3763.000	57.85870538	-999.25000000	1749.04984657	1595.69715343
3763.500	57.57669207	-999.25000000	1712.60692379	1567.86280068
3764.000	57.24622546	1983.62442363	1666.09810309	1533.12240712
3764.500	56.98228123	1902.04542913	1625.46543409	1510.68162969
3765.000	56.76837516	1868.57746192	1577.76576670	1501.29247765
3765.500	56.79033162	1773.29170015	1536.07602368	1498.83819674
3766.000	56.78131346	1711.46273096	1538.24078142	1499.79536339
3766.500	56.14630679	1726.59720503	1549.78752940	1500.74573566
3767.000	54.57155897	1840.97112844	1569.45402484	1498.66033089
3767.500	52.15149256	-999.25000000	1604.83164662	1492.83008325
3768.000	51.43270090	-999.25000000	1634.77894540	1488.28496835
3768.500	52.99574999	-999.25000000	1654.95285442	1484.23799181
3769.000	53.65730003	-999.25000000	1628.92387211	1481.85909894
3769.500	53.13378511	-999.25000000	1550.54440686	1486.51010990
3770.000	53.00101530	-999.25000000	1535.05005977	1508.01169251
3770.500	52.97446428	-999.25000000	1557.24935377	1519.60084475
3771.000	53.14646771	-999.25000000	1581.42827633	1514.15750368
3771.500	53.17879793	-999.25000000	1601.71388176	1512.54316554
3772.000	52.78281328	-999.25000000	1598.80763074	1508.53396615
3772.500	52.53570772	-999.25000000	1597.31458690	1506.40610114
3773.000	52.24295889	-999.25000000	1595.85177955	1507.42064785
3773.500	52.16514667	-999.25000000	1582.40730426	1514.69286866
3774.000	52.27588858	-999.25000000	1547.55210056	1519.91055529
3774.500	52.92671837	1657.53571567	1520.47049570	1516.47812436
3775.000	53.59070440	1613.29911081	1512.66844937	1510.79466486
3775.500	54.35682996	1627.38720026	1517.29784340	1505.74236192
3776.000	54.80278471	1791.46751469	1518.25500071	1490.68291210
3776.500	55.14229055	1768.80021679	1513.97685923	1484.61690734
3777.000	55.34150336	1667.36566825	1520.97691091	1480.01746816
3777.500	55.39815951	1644.26350842	1537.60049452	1474.42924603
3778.000	55.37707979	1776.37762316	1529.20655781	1445.04454261
3778.500	55.41453991	1764.14373549	1471.09602000	1395.97913157
3779.000	55.93192166	1737.73584002	1402.51906196	1368.17421648
3779.500	57.01620047	-999.25000000	1345.01481846	1325.92916771
3780.000	58.51228170	-999.25000000	1281.20286333	1313.22122845
3780.500	60.13517954	-999.25000000	1270.66332972	1303.23717737
3781.000	61.49925370	-999.25000000	1268.65332959	1286.66480753
3781.500	62.17836269	1529.41218513	1261.07116195	1266.09065658
3782.000	62.63114245	1566.39802433	1257.78612793	1245.84760844
3782.500	63.19104642	1429.58610371	1257.96596128	1236.80489640
3783.000	63.61511307	1362.44663943	1273.52463495	1266.63782093
3783.500	64.19855101	1408.50568870	1295.67678126	1298.86456069
3784.000	63.82023701	1491.76086426	1320.72326042	1311.00488429
3784.500	62.95116925	1563.64582865	1336.26074959	1313.44563074
3785.000	62.24208218	1539.91104700	1353.71946956	1320.88992423
3785.500	61.47924528	1516.72373582	1369.91576624	1337.33888548
3786.000	60.91835896	1464.79817449	1388.13352328	1376.37301242
3786.500	60.33404610	1472.79805857	1405.54543329	1406.89401088
3787.000	59.75669417	1585.59061796	1424.31131934	1420.25046778
3787.500	59.41014638	1635.97314591	1448.08091387	1426.26012999
3788.000	58.78370529	1652.93796410	1458.60588311	1426.06144052
3788.500	58.12287601	1631.83360766	1467.19636357	1432.28238833
3789.000	57.52937683	1578.21239440	1486.04035976	1433.46723927

3789.500	56.97822649	1641.03692443	1496.94389367	1430.05754074
3790.000	56.51031247	1619.24716247	1486.68182344	1429.62176393
3790.500	55.97728391	1593.06599446	1463.59565018	1429.59708766
3791.000	55.62817306	1557.34072704	1443.88184079	1429.65951436
3791.500	55.45022916	1528.23914824	1457.64173860	1429.46166464
3792.000	55.19707039	1578.98220653	1482.97660494	1429.83286112
3792.500	54.78853721	1627.72145331	1482.14524076	1427.76973342
3793.000	54.39278105	1677.78400462	1487.68446295	1430.92973214
3793.500	53.99511347	1752.19796949	1509.11749337	1443.17721557
3794.000	53.46479621	1743.80799564	1523.63815953	1459.01806596
3794.500	52.81936804	1655.48643801	1535.00103430	1474.50089305
3795.000	52.41515826	1610.21236413	1558.91344921	1490.94343333
3795.500	51.79896028	1660.83828699	1593.80870257	1500.80375064
3796.000	51.16991025	-999.25000000	1627.34707997	1501.87531888
3796.500	50.81296080	-999.25000000	1632.59316676	1502.98205750
3797.000	50.36633218	-999.25000000	1633.78314518	1502.64910368
3797.500	49.59369992	1824.83330775	1633.92263944	1507.34703886
3798.000	48.97332164	1718.71788884	1631.09912703	1511.71196966
3798.500	48.74918795	1667.50782888	1629.19864719	1515.66530627
3799.000	48.46329747	1684.30047122	1638.32938085	1508.25148511
3799.500	48.19019985	1762.06767917	1640.69884035	1491.98481216
3800.000	47.52896881	1821.79892953	1639.48024487	1487.83449832
3800.500	47.01500249	1819.76918551	1632.04805095	1485.76789681
3801.000	46.46101592	1812.87087104	1624.48406920	1484.15184077
3801.500	45.87487997	1806.65759721	1626.77320048	1485.72852699
3802.000	45.20263629	1800.45523754	1641.58496211	1488.20821752
3802.500	44.47583743	1785.78029440	1638.52613150	1492.60105435
3803.000	43.67137689	1758.76836592	1633.61736244	1497.20938692
3803.500	42.81462261	1764.87651136	1636.63062038	1500.79516944
3804.000	41.96554633	1776.11354584	1652.94282672	1499.75032227
3804.500	41.12322915	1779.73683997	1668.24423331	1513.48064028
3805.000	40.05871828	1817.02880489	1676.87511984	1514.04450062
3805.500	39.24151596	1887.04361055	1671.76521055	1504.75477355
3806.000	38.07923434	1866.48080876	1651.09512628	1512.57693484
3806.500	36.97837386	1810.09229540	1641.58761937	1514.35704533
3807.000	36.14157039	1775.97783590	1636.51473325	1512.73865954
3807.500	35.43635492	1766.21150556	1637.69709931	1512.24252067
3808.000	35.06146914	1784.70055917	1640.03581198	1512.26107543
3808.500	34.88229886	1818.54324807	1638.47168741	1515.69733948
3809.000	34.65811490	1876.25493693	1635.99666260	1510.51967205
3809.500	34.62350552	1878.88924980	1630.13945687	1502.26191113
3810.000	34.61129359	1828.78766679	1618.69581954	1486.74151981
3810.500	34.80195098	1742.71339822	1607.92882311	1477.61626774
3811.000	35.26506127	1804.39771438	1596.05848826	1480.12147223
3811.500	36.02053599	1894.23825119	1583.87482642	1481.88386950
3812.000	36.92212147	1599.90601301	1567.18423783	1488.31983683
3812.500	37.64251496	1615.47788444	1578.95706749	1490.18692553
3813.000	38.34419065	1603.23132308	1624.05634975	1481.91740678
3813.500	38.49919800	1629.29975450	1629.13045751	1471.82588810
3814.000	38.61474051	1625.58246536	1622.32090614	1460.74968772
3814.500	38.69949613	1573.99830957	1590.65111914	1436.68319757
3815.000	38.77704807	-999.25000000	1524.03054870	1411.97702956
3815.500	38.80424708	-999.25000000	1461.23611141	1396.66367449
3816.000	39.09162942	-999.25000000	1400.31527454	1390.55920856
3816.500	38.81037665	-999.25000000	1407.77300206	1386.20306036
3817.000	37.88683383	-999.25000000	1436.97826929	1384.56105410
3817.500	36.31233008	-999.25000000	1471.53473142	1376.43893384
3818.000	34.42474911	-999.25000000	1485.81050966	1366.69076222
3818.500	32.11914669	-999.25000000	1483.69163397	1359.11578210
3819.000	29.75234991	-999.25000000	1484.79500430	1359.96430407
3819.500	27.81148102	1837.22357303	1483.62637494	1365.57256667
3820.000	25.64810646	1711.29338690	1469.66875809	1362.00566443
3820.500	23.37942196	1716.60936222	1449.14685902	1352.38606984
3821.000	21.18308354	1676.98642721	1429.43385906	1345.65149366
3821.500	19.42901129	1640.52724805	1409.30359379	1330.64722104

3822.000	18.18503104	1615.22640689	1388.40924349	1315.65645843
3822.500	16.83342853	1623.26520289	1373.51126823	1314.03262688
3823.000	15.86600661	1672.31076042	1358.13755406	1315.16308297
3823.500	15.11531956	1631.66725423	1347.36778487	1329.58338215
3824.000	14.48214835	1606.40911772	1355.46314235	1344.65373164
3824.500	13.80397718	1623.99255904	1392.71958004	1363.13399956
3825.000	13.23877011	1685.02858138	1429.71660570	1389.04578772
3825.500	12.48056053	1747.29848453	1452.72883688	1394.84160961
3826.000	11.57720453	1816.20017590	1454.89465548	1379.01692630
3826.500	10.85160387	1883.28504185	1446.44749412	1361.90348120
3827.000	9.80265859	1865.46190977	1419.67530112	1302.97194901
3827.500	8.90612538	1773.36841829	1369.72822406	1257.39903882
3828.000	7.75411161	1685.20955296	1309.20718014	1211.46899939
3828.500	6.48284117	1626.72104846	1243.12378455	1150.10222333
3829.000	5.73750228	1598.69483536	1177.13070331	1088.05539585
3829.500	5.12758721	1569.44017696	1111.05009936	1029.96072426
3830.000	4.60822481	1517.37973206	1052.43230668	993.69672032
3830.500	3.87025561	1457.33411481	1000.32260444	954.30692414
3831.000	3.28315883	1377.43010504	956.02614800	931.21444180
3831.500	2.74134114	1326.77803811	917.55908452	915.48249679
3832.000	2.30237221	1265.69336079	915.80337941	912.62325593
3832.500	2.28966176	1236.05605510	923.13094499	912.99999067
3833.000	2.28487401	1282.01130137	943.89164791	918.07409571
3833.500	2.30275248	1338.30855434	969.43590739	926.11489157
3834.000	2.72725394	1351.47881068	990.32419126	937.57447037
3834.500	3.31392740	1356.08647601	1011.83385311	953.96141183
3835.000	4.10346120	1369.24985186	1027.89819828	974.32858877
3835.500	5.25147418	1386.85644270	1038.44175424	996.11920729
3836.000	6.58788141	1384.82096019	1048.78616178	1018.60919956
3836.500	8.67197291	1398.95316216	1058.40646303	1030.71270482
3837.000	9.94129052	1431.10535076	1066.12202238	1045.29244661
3837.500	14.62051644	1454.62544940	1074.56413259	1063.63411351
3838.000	16.21275115	1470.02851032	1105.29511774	1086.94703845
3838.500	22.41897684	1514.52679369	1136.60374306	1118.18465129
3839.000	28.37585764	1503.35019277	1169.81197413	1147.85855837
3839.500	31.11514425	1483.46653000	1199.82330595	1171.35676525
3840.000	36.93737998	1465.63082106	1238.96017632	1183.38089010
3840.500	43.55968729	1447.29043017	1246.49765797	1191.18737954
3841.000	48.24441044	1425.05377759	1233.25754513	1186.40568462
3841.500	50.58774107	1374.71415142	1200.34529593	1182.21300643
3842.000	53.61957790	1299.17498221	1182.62831234	1176.26830626
3842.500	58.00123693	1247.78140465	1177.14656414	1171.99755608
3843.000	60.50228456	1257.80169621	1172.47462980	1165.83786058
3843.500	62.59667803	1340.13333967	1180.01110483	1162.94551962
3844.000	62.32563883	1370.44106795	1182.22797268	1164.77730363
3844.500	61.51480123	1352.96856901	1189.93612188	1170.86407189
3845.000	60.30736006	1332.02168579	1207.31691241	1176.34150000
3845.500	57.80213183	1385.33857906	1225.40794424	1187.18846265
3846.000	57.09872689	1418.79236079	1233.86163052	1207.36918928
3846.500	57.64604267	1320.42201487	1250.62891964	1231.20189224
3847.000	58.99471496	1330.73807257	1274.32481105	1249.77587008
3847.500	60.96473432	1420.07846144	1298.98284273	1262.32117748
3848.000	61.61668197	1501.60897758	1319.26305733	1271.73936405
3848.500	61.97265726	1499.31395772	1331.32835589	1279.77544465
3849.000	62.19313266	1490.11817788	1343.88692871	1286.83153342
3849.500	62.20972352	1489.34201796	1350.60106401	1289.58583783
3850.000	62.42260746	1465.91867361	1332.68959967	1282.94452701
3850.500	62.85297679	1410.47485715	1285.29515827	1279.34713369
3851.000	63.49268263	1372.45855291	1275.61296541	1274.30707108
3851.500	64.06974166	1287.99740323	1268.92973237	1269.09976715
3852.000	64.63453700	1298.37021780	1271.50881365	1262.48641948
3852.500	65.18912790	1354.59281977	1277.39003572	1254.97150842
3853.000	65.53954463	1397.40521297	1285.97739687	1253.11565880
3853.500	65.56367566	1388.46719630	1297.49357455	1254.35306487
3854.000	65.13265865	1385.24694942	1309.46458065	1265.08079428

3854.500	64.43771123	1404.56912021	1318.17671703	1272.42515958
3855.000	63.78485506	1407.14720392	1324.70661927	1277.69417706
3855.500	62.99241218	1396.01267133	1319.34876556	1281.60760904
3856.000	62.13636269	1389.08728474	1305.10468593	1281.09426268
3856.500	61.27776753	1355.27173014	1287.29895374	1276.23304019
3857.000	60.36376794	1324.43837611	1274.66950784	1269.16630556
3857.500	59.19158838	1307.88670868	1268.71769281	1263.04435209
3858.000	57.84405614	1304.83906885	1262.97334433	1255.99896705
3858.500	56.07615525	1293.78865605	1261.84994457	1251.11498658
3859.000	53.57315248	1288.63418652	1263.56906246	1247.60005377
3859.500	49.85212729	1338.34529307	1267.00234201	1235.55119260
3860.000	47.36710126	1411.95382598	1259.24309636	1224.55708800
3860.500	45.87261633	1430.37796479	1232.21995578	1207.26726423
3861.000	44.09037890	1381.81728204	1207.02509444	1189.15909032
3861.500	42.96995197	1236.87035803	1180.17100607	1179.78928448
3862.000	42.34824541	1258.08531797	1160.66107792	1159.30417551
3862.500	42.19683703	1350.73093921	1141.72990219	1140.44215047
3863.000	42.14661793	1337.47477268	1122.87406273	1119.27932065
3863.500	42.46857414	1253.76425716	1103.32865733	1106.56610379
3864.000	43.73979870	1217.07520316	1096.35500299	1104.97825084
3864.500	47.20802243	1188.60856701	1097.59616443	1103.07852461
3865.000	50.83624288	1184.28606543	1107.80340581	1103.64369614
3865.500	54.86963100	1190.70499450	1117.92910066	1108.01927779
3866.000	59.31741242	1193.50475862	1128.04121529	1117.87074727
3866.500	60.92942879	1209.36404004	1138.34690899	1123.73111443
3867.000	62.10034973	1235.82900003	1147.30108610	1127.97416323
3867.500	63.21692058	1248.14426800	1148.14020956	1135.91735421
3868.000	63.94725181	1232.19888581	1148.00972015	1141.29907440
3868.500	64.72293548	1199.98039808	1147.71660617	1144.28124253
3869.000	65.31877496	1191.98033094	1142.56973616	1148.42597006
3869.500	65.76512795	1180.45776929	1139.54997279	1154.35765050
3870.000	66.01831835	1178.72381879	1140.39982702	1158.02842767
3870.500	65.57549659	1181.30785935	1143.83857911	1162.53888377
3871.000	64.78664481	1191.82972036	1151.59760857	1164.46758657
3871.500	64.19129835	1201.63259355	1161.08625327	1164.31865445
3872.000	62.96748956	1208.91955628	1170.44372620	1164.33060745
3872.500	60.83814355	1216.47476840	1177.36379560	1164.56391484
3873.000	59.15117202	1239.88768917	1179.56914496	1159.29114097
3873.500	58.80595739	1261.07455830	1169.86722039	1137.88196472
3874.000	58.80172990	1271.09793047	1151.67702066	1111.84573277
3874.500	59.26091188	1263.09673205	1126.36950844	1082.97829587
3875.000	60.19228925	1195.00811432	1096.57674350	1050.84329813
3875.500	61.25602803	1070.31052010	1068.78416313	1033.54103302
3876.000	62.91505577	1042.74744167	1032.32350846	1018.87959789
3876.500	64.61318584	1064.38939172	1003.60383376	1001.29888721
3877.000	65.94697062	1077.67135084	993.49185861	990.56074118
3877.500	67.24554972	1078.81050767	992.85785397	989.94057950
3878.000	67.76865444	1082.78900677	1001.36295157	994.33735602
3878.500	68.15282566	1098.07762193	1016.43532735	1004.45367037
3879.000	68.66418271	1165.17990560	1044.07028109	1024.33899119
3879.500	69.39767665	1275.70187549	1063.57207335	1059.73972077
3880.000	69.73341349	1372.73735936	1111.92524249	1096.34377772
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3881.000	69.94045830	-999.25000000	1232.04215274	1183.67490704
3881.500	69.95341140	-999.25000000	1312.85556523	1247.98995984
3882.000	69.99370916	-999.25000000	1392.07762770	1293.81470498
3882.500	69.75388883	-999.25000000	1475.30053448	1355.08528350
3883.000	69.56150098	-999.25000000	1529.73531574	1391.82671707
3883.500	69.38290911	-999.25000000	1576.44337873	1460.99425340
3884.000	69.09936971	-999.25000000	1662.84225160	1495.57016381
3884.500	68.79077152	-999.25000000	1688.04140240	1546.36232787
3885.000	68.35571757	-999.25000000	1728.15458942	1574.96174771
3885.500	67.98630054	-999.25000000	1768.26385761	1577.26547850
3886.000	67.53291113	-999.25000000	1813.24237411	1571.51176829
3886.500	66.92687111	-999.25000000	1838.77043943	1553.80071644

3887.000	66.21315293	-999.25000000	1815.70275756	1543.79245584
3887.500	65.17406549	-999.25000000	1793.63477969	1535.13754264
3888.000	63.55664693	-999.25000000	1764.45714315	1534.07454890
3888.500	61.44352066	-999.25000000	1749.41108157	1545.79035675
3889.000	58.44410057	-999.25000000	1740.94399073	1553.59273929
3889.500	55.78122442	-999.25000000	1760.14693621	1552.58085583
3890.000	51.60853365	-999.25000000	1778.65517712	1549.85384083
3890.500	47.55863711	-999.25000000	1778.08103728	1546.03276074
3891.000	44.66896882	-999.25000000	1779.47631208	1538.52452607
3891.500	42.14824509	-999.25000000	1779.62577867	1529.39660582
3892.000	27.09478054	-999.25000000	1779.93563068	1528.99959551
3892.500	28.61560937	-999.25000000	1778.05603275	1527.36305612
3893.000	28.07787933	-999.25000000	1775.56986170	1524.50974191
3893.500	37.10420667	-999.25000000	1774.40374352	1521.36066991
3894.000	38.19826783	-999.25000000	1769.69391928	1518.87467058
3894.500	38.37232493	-999.25000000	1796.76634398	1514.88401782
3895.000	38.44377311	-999.25000000	1790.87882587	1515.15839494
3895.500	38.39798338	-999.25000000	1774.85426522	1516.98829387
3896.000	38.58370000	-999.25000000	1773.05095508	1516.24476113
3896.500	38.64415049	-999.25000000	1776.55150287	1513.23611517
3897.000	38.62306102	-999.25000000	1775.44756549	1511.07910034
3897.500	38.62735717	-999.25000000	1777.15694582	1510.56510820
3898.000	38.62109633	-999.25000000	1775.63824825	1510.96641803
3898.500	38.62383050	-999.25000000	1799.80286736	1515.81683680
3899.000	38.62253025	-999.25000000	1785.50964026	1518.29356361
3899.500	38.62309333	-999.25000000	1770.85389699	1520.71795683
3900.000	38.62275449	-999.25000000	1789.74926050	1524.62517892