

Kilowatt Hours Per Mole To Electronvolts Per Mole Conversion Chart

kWh/mol to eV/mol Conversion Chart from 1 - 5000 with one decimal

1 Kilowatt Hours Per Mole is equal to $2.24694327 \times 10^{25}$ Electronvolts Per Mole.

Web page url: <https://www.convertfreedom.com/conversion/kwh-per-mol-to-ev-per-mol>, click here for details.

Kilowatt Hours Per Mole (kWh/mol)	Electronvolts Per Mole (eV/mol) Decimal	Electronvolts Per Mole (eV/mol) Scientific
1	22469432700000000000000000	$2.24694327 \times 10^{25}$
1.1	24716375970000000000000000	$2.471637597 \times 10^{25}$
1.2	26963319240000000000000000	$2.696331924 \times 10^{25}$
1.3	29210262510000000000000000	$2.921026251 \times 10^{25}$
1.4	31457205780000000000000000	$3.145720578 \times 10^{25}$
1.5	33704149050000000000000000	$3.370414905 \times 10^{25}$
1.6	35951092320000000000000000	$3.595109232 \times 10^{25}$
1.7	38198035590000000000000000	$3.819803559 \times 10^{25}$
1.8	40444978860000000000000000	$4.044497886 \times 10^{25}$
1.9	42691922130000000000000000	$4.269192213 \times 10^{25}$
2	44938865400000000000000000	$4.49388654 \times 10^{25}$
2.1	47185808670000000000000000	$4.718580867 \times 10^{25}$
2.2	49432751940000000000000000	$4.943275194 \times 10^{25}$
2.3	51679695210000000000000000	$5.167969521 \times 10^{25}$
2.4	53926638480000000000000000	$5.392663848 \times 10^{25}$
2.5	56173581750000000000000000	$5.617358175 \times 10^{25}$
2.6	58420525020000000000000000	$5.842052502 \times 10^{25}$
2.7	60667468290000000000000000	$6.066746829 \times 10^{25}$
2.8	62914411560000000000000000	$6.291441156 \times 10^{25}$
2.9	65161354830000000000000000	$6.516135483 \times 10^{25}$
3	67408298100000000000000000	$6.74082981 \times 10^{25}$
3.1	69655241370000000000000000	$6.965524137 \times 10^{25}$
3.2	71902184640000000000000000	$7.190218464 \times 10^{25}$
3.3	74149127910000000000000000	$7.414912791 \times 10^{25}$
3.4	76396071180000000000000000	$7.639607118 \times 10^{25}$
3.5	78643014450000000000000000	$7.864301445 \times 10^{25}$
3.6	80889957720000000000000000	$8.088995772 \times 10^{25}$
3.7	83136900990000000000000000	$8.313690099 \times 10^{25}$
3.8	85383844260000000000000000	$8.538384426 \times 10^{25}$

34.3	7707015416100000000000000000	7.7070154161e+26
34.4	7729484848800000000000000000	7.7294848488e+26
34.5	7751954281500000000000000000	7.7519542815e+26
34.6	7774423714200000000000000000	7.7744237142e+26
34.7	7796893146900000000000000000	7.7968931469e+26
34.8	7819362579600000000000000000	7.8193625796e+26
34.9	7841832012300000000000000000	7.8418320123e+26
35	7864301445000000000000000000	7.864301445e+26
35.1	7886770877700000000000000000	7.8867708777e+26
35.2	7909240310400000000000000000	7.9092403104e+26
35.3	7931709743100000000000000000	7.9317097431e+26
35.4	7954179175800000000000000000	7.9541791758e+26
35.5	7976648608500000000000000000	7.9766486085e+26
35.6	7999118041200000000000000000	7.9991180412e+26
35.7	8021587473900000000000000000	8.0215874739e+26
35.8	8044056906600000000000000000	8.0440569066e+26
35.9	8066526339300000000000000000	8.0665263393e+26
36	8088995772000000000000000000	8.088995772e+26
36.1	8111465204700000000000000000	8.1114652047e+26
36.2	8133934637400000000000000000	8.1339346374e+26
36.3	8156404070100000000000000000	8.1564040701e+26
36.4	8178873502800000000000000000	8.1788735028e+26
36.5	8201342935500000000000000000	8.2013429355e+26
36.6	8223812368200000000000000000	8.2238123682e+26
36.7	8246281800900000000000000000	8.2462818009e+26
36.8	8268751233600000000000000000	8.2687512336e+26
36.9	8291220666300000000000000000	8.2912206663e+26
37	8313690099000000000000000000	8.313690099e+26
37.1	8336159531700000000000000000	8.3361595317e+26
37.2	8358628964400000000000000000	8.3586289644e+26
37.3	8381098397100000000000000000	8.3810983971e+26
37.4	8403567829800000000000000000	8.4035678298e+26
37.5	8426037262500000000000000000	8.4260372625e+26
37.6	8448506695200000000000000000	8.4485066952e+26
37.7	8470976127900000000000000000	8.4709761279e+26
37.8	8493445560600000000000000000	8.4934455606e+26
37.9	8515914993300000000000000000	8.5159149933e+26
38	8538384426000000000000000000	8.538384426e+26

38.1	8560853858700000000000000000	8.5608538587e+26
38.2	8583323291400000000000000000	8.5833232914e+26
38.3	8605792724100000000000000000	8.6057927241e+26
38.4	8628262156800000000000000000	8.6282621568e+26
38.5	8650731589500000000000000000	8.6507315895e+26
38.6	8673201022200000000000000000	8.6732010222e+26
38.7	8695670454900000000000000000	8.6956704549e+26
38.8	8718139887600000000000000000	8.7181398876e+26
38.9	8740609320300000000000000000	8.7406093203e+26
39	8763078753000000000000000000	8.763078753e+26
39.1	8785548185700000000000000000	8.7855481857e+26
39.2	8808017618400000000000000000	8.8080176184e+26
39.3	8830487051100000000000000000	8.8304870511e+26
39.4	8852956483800000000000000000	8.8529564838e+26
39.5	8875425916500000000000000000	8.8754259165e+26
39.6	8897895349200000000000000000	8.8978953492e+26
39.7	8920364781900000000000000000	8.9203647819e+26
39.8	8942834214600000000000000000	8.9428342146e+26
39.9	8965303647300000000000000000	8.9653036473e+26
40	8987773080000000000000000000	8.98777308e+26
40.1	9010242512700000000000000000	9.0102425127e+26
40.2	9032711945400000000000000000	9.0327119454e+26
40.3	9055181378100000000000000000	9.0551813781e+26
40.4	9077650810800000000000000000	9.0776508108e+26
40.5	9100120243500000000000000000	9.1001202435e+26
40.6	9122589676200000000000000000	9.1225896762e+26
40.7	9145059108900000000000000000	9.1450591089e+26
40.8	9167528541600000000000000000	9.1675285416e+26
40.9	9189997974300000000000000000	9.1899979743e+26
41	9212467407000000000000000000	9.212467407e+26
41.1	9234936839700000000000000000	9.2349368397e+26
41.2	9257406272400000000000000000	9.2574062724e+26
41.3	9279875705100000000000000000	9.2798757051e+26
41.4	9302345137800000000000000000	9.3023451378e+26
41.5	9324814570500000000000000000	9.3248145705e+26
41.6	9347284003200000000000000000	9.3472840032e+26
41.7	9369753435900000000000000000	9.3697534359e+26
41.8	9392222868600000000000000000	9.3922228686e+26

45.7	1026853074390000000000000000	1.02685307439e+27
45.8	1029100017660000000000000000	1.02910001766e+27
45.9	1031346960930000000000000000	1.03134696093e+27
46	1033593904200000000000000000	1.0335939042e+27
46.1	1035840847470000000000000000	1.03584084747e+27
46.2	1038087790740000000000000000	1.03808779074e+27
46.3	1040334734010000000000000000	1.04033473401e+27
46.4	1042581677280000000000000000	1.04258167728e+27
46.5	1044828620550000000000000000	1.04482862055e+27
46.6	1047075563820000000000000000	1.04707556382e+27
46.7	1049322507090000000000000000	1.04932250709e+27
46.8	1051569450360000000000000000	1.05156945036e+27
46.9	1053816393630000000000000000	1.05381639363e+27
47	1056063336900000000000000000	1.0560633369e+27
47.1	1058310280170000000000000000	1.05831028017e+27
47.2	1060557223440000000000000000	1.06055722344e+27
47.3	1062804166710000000000000000	1.06280416671e+27
47.4	1065051109980000000000000000	1.06505110998e+27
47.5	1067298053250000000000000000	1.06729805325e+27
47.6	1069544996520000000000000000	1.06954499652e+27
47.7	1071791939790000000000000000	1.07179193979e+27
47.8	1074038883060000000000000000	1.07403888306e+27
47.9	1076285826330000000000000000	1.07628582633e+27
48	1078532769600000000000000000	1.0785327696e+27
48.1	1080779712870000000000000000	1.08077971287e+27
48.2	1083026656140000000000000000	1.08302665614e+27
48.3	1085273599410000000000000000	1.08527359941e+27
48.4	1087520542680000000000000000	1.08752054268e+27
48.5	1089767485950000000000000000	1.08976748595e+27
48.6	1092014429220000000000000000	1.09201442922e+27
48.7	1094261372490000000000000000	1.09426137249e+27
48.8	1096508315760000000000000000	1.09650831576e+27
48.9	1098755259030000000000000000	1.09875525903e+27
49	1101002202300000000000000000	1.1010022023e+27
49.1	1103249145570000000000000000	1.10324914557e+27
49.2	1105496088840000000000000000	1.10549608884e+27
49.3	1107743032110000000000000000	1.10774303211e+27
49.4	1109989975380000000000000000	1.10998997538e+27

49.5	1112236918650000000000000000	1.11223691865e+27
49.6	1114483861920000000000000000	1.11448386192e+27
49.7	1116730805190000000000000000	1.11673080519e+27
49.8	1118977748460000000000000000	1.11897774846e+27
49.9	1121224691730000000000000000	1.12122469173e+27
50	1123471635000000000000000000	1.123471635e+27
50.1	1125718578270000000000000000	1.12571857827e+27
50.2	1127965521540000000000000000	1.12796552154e+27
50.3	1130212464810000000000000000	1.13021246481e+27
50.4	1132459408080000000000000000	1.13245940808e+27
50.5	1134706351350000000000000000	1.13470635135e+27
50.6	1136953294620000000000000000	1.13695329462e+27
50.7	1139200237890000000000000000	1.13920023789e+27
50.8	1141447181160000000000000000	1.14144718116e+27
50.9	1143694124430000000000000000	1.14369412443e+27
51	1145941067700000000000000000	1.1459410677e+27
51.1	1148188010970000000000000000	1.14818801097e+27
51.2	1150434954240000000000000000	1.15043495424e+27
51.3	1152681897510000000000000000	1.15268189751e+27
51.4	1154928840780000000000000000	1.15492884078e+27
51.5	1157175784050000000000000000	1.15717578405e+27
51.6	1159422727320000000000000000	1.15942272732e+27
51.7	1161669670590000000000000000	1.16166967059e+27
51.8	1163916613860000000000000000	1.16391661386e+27
51.9	1166163557130000000000000000	1.16616355713e+27
52	1168410500400000000000000000	1.1684105004e+27
52.1	1170657443670000000000000000	1.17065744367e+27
52.2	1172904386940000000000000000	1.17290438694e+27
52.3	1175151330210000000000000000	1.17515133021e+27
52.4	1177398273480000000000000000	1.17739827348e+27
52.5	1179645216750000000000000000	1.17964521675e+27
52.6	1181892160020000000000000000	1.18189216002e+27
52.7	1184139103290000000000000000	1.18413910329e+27
52.8	1186386046560000000000000000	1.18638604656e+27
52.9	1188632989830000000000000000	1.18863298983e+27
53	1190879933100000000000000000	1.1908799331e+27
53.1	1193126876370000000000000000	1.19312687637e+27
53.2	1195373819640000000000000000	1.19537381964e+27

53.3	1197620762910000000000000000	1.19762076291e+27
53.4	1199867706180000000000000000	1.19986770618e+27
53.5	1202114649450000000000000000	1.20211464945e+27
53.6	1204361592720000000000000000	1.20436159272e+27
53.7	1206608535990000000000000000	1.20660853599e+27
53.8	1208855479260000000000000000	1.20885547926e+27
53.9	1211102422530000000000000000	1.21110242253e+27
54	1213349365800000000000000000	1.2133493658e+27
54.1	1215596309070000000000000000	1.21559630907e+27
54.2	1217843252340000000000000000	1.21784325234e+27
54.3	1220090195610000000000000000	1.22009019561e+27
54.4	1222337138880000000000000000	1.22233713888e+27
54.5	1224584082150000000000000000	1.22458408215e+27
54.6	1226831025420000000000000000	1.22683102542e+27
54.7	1229077968690000000000000000	1.22907796869e+27
54.8	1231324911960000000000000000	1.23132491196e+27
54.9	1233571855230000000000000000	1.23357185523e+27
55	1235818798500000000000000000	1.2358187985e+27
55.1	1238065741770000000000000000	1.23806574177e+27
55.2	1240312685040000000000000000	1.24031268504e+27
55.3	1242559628310000000000000000	1.24255962831e+27
55.4	1244806571580000000000000000	1.24480657158e+27
55.5	1247053514850000000000000000	1.24705351485e+27
55.6	1249300458120000000000000000	1.24930045812e+27
55.7	1251547401390000000000000000	1.25154740139e+27
55.8	1253794344660000000000000000	1.25379434466e+27
55.9	1256041287930000000000000000	1.25604128793e+27
56	1258288231200000000000000000	1.2582882312e+27
56.1	1260535174470000000000000000	1.26053517447e+27
56.2	1262782117740000000000000000	1.26278211774e+27
56.3	1265029061010000000000000000	1.26502906101e+27
56.4	1267276004280000000000000000	1.26727600428e+27
56.5	1269522947550000000000000000	1.26952294755e+27
56.6	1271769890820000000000000000	1.27176989082e+27
56.7	1274016834090000000000000000	1.27401683409e+27
56.8	1276263777360000000000000000	1.27626377736e+27
56.9	1278510720630000000000000000	1.27851072063e+27
57	1280757663900000000000000000	1.2807576639e+27

72.3	1624539984210000000000000000	1.62453998421e+27
72.4	1626786927480000000000000000	1.62678692748e+27
72.5	1629033870750000000000000000	1.62903387075e+27
72.6	1631280814020000000000000000	1.63128081402e+27
72.7	1633527757290000000000000000	1.63352775729e+27
72.8	1635774700560000000000000000	1.63577470056e+27
72.9	1638021643830000000000000000	1.63802164383e+27
73	1640268587100000000000000000	1.6402685871e+27
73.1	1642515530370000000000000000	1.64251553037e+27
73.2	1644762473640000000000000000	1.64476247364e+27
73.3	1647009416910000000000000000	1.64700941691e+27
73.4	1649256360180000000000000000	1.64925636018e+27
73.5	1651503303450000000000000000	1.65150330345e+27
73.6	1653750246720000000000000000	1.65375024672e+27
73.7	1655997189990000000000000000	1.65599718999e+27
73.8	1658244133260000000000000000	1.65824413326e+27
73.9	1660491076530000000000000000	1.66049107653e+27
74	1662738019800000000000000000	1.6627380198e+27
74.1	1664984963070000000000000000	1.66498496307e+27
74.2	1667231906340000000000000000	1.66723190634e+27
74.3	1669478849610000000000000000	1.66947884961e+27
74.4	1671725792880000000000000000	1.67172579288e+27
74.5	1673972736150000000000000000	1.67397273615e+27
74.6	1676219679420000000000000000	1.67621967942e+27
74.7	1678466622690000000000000000	1.67846662269e+27
74.8	1680713565960000000000000000	1.68071356596e+27
74.9	1682960509230000000000000000	1.68296050923e+27
75	1685207452500000000000000000	1.6852074525e+27
75.1	1687454395770000000000000000	1.68745439577e+27
75.2	1689701339040000000000000000	1.68970133904e+27
75.3	1691948282310000000000000000	1.69194828231e+27
75.4	1694195225580000000000000000	1.69419522558e+27
75.5	1696442168850000000000000000	1.69644216885e+27
75.6	1698689112120000000000000000	1.69868911212e+27
75.7	1700936055390000000000000000	1.70093605539e+27
75.8	1703182998660000000000000000	1.70318299866e+27
75.9	1705429941930000000000000000	1.70542994193e+27
76	1707676885200000000000000000	1.7076768852e+27

76.1	1709923828470000000000000000	1.70992382847e+27
76.2	1712170771740000000000000000	1.71217077174e+27
76.3	1714417715010000000000000000	1.71441771501e+27
76.4	1716664658280000000000000000	1.71666465828e+27
76.5	1718911601550000000000000000	1.71891160155e+27
76.6	1721158544820000000000000000	1.72115854482e+27
76.7	1723405488090000000000000000	1.72340548809e+27
76.8	1725652431360000000000000000	1.72565243136e+27
76.9	1727899374630000000000000000	1.72789937463e+27
77	1730146317900000000000000000	1.7301463179e+27
77.1	1732393261170000000000000000	1.73239326117e+27
77.2	1734640204440000000000000000	1.73464020444e+27
77.3	1736887147710000000000000000	1.73688714771e+27
77.4	1739134090980000000000000000	1.73913409098e+27
77.5	1741381034250000000000000000	1.74138103425e+27
77.6	1743627977520000000000000000	1.74362797752e+27
77.7	1745874920790000000000000000	1.74587492079e+27
77.8	1748121864060000000000000000	1.74812186406e+27
77.9	1750368807330000000000000000	1.75036880733e+27
78	1752615750600000000000000000	1.7526157506e+27
78.1	1754862693870000000000000000	1.75486269387e+27
78.2	1757109637140000000000000000	1.75710963714e+27
78.3	1759356580410000000000000000	1.75935658041e+27
78.4	1761603523680000000000000000	1.76160352368e+27
78.5	1763850466950000000000000000	1.76385046695e+27
78.6	1766097410220000000000000000	1.76609741022e+27
78.7	1768344353490000000000000000	1.76834435349e+27
78.8	1770591296760000000000000000	1.77059129676e+27
78.9	1772838240030000000000000000	1.77283824003e+27
79	1775085183300000000000000000	1.7750851833e+27
79.1	1777332126570000000000000000	1.77733212657e+27
79.2	1779579069840000000000000000	1.77957906984e+27
79.3	1781826013110000000000000000	1.78182601311e+27
79.4	1784072956380000000000000000	1.78407295638e+27
79.5	1786319899650000000000000000	1.78631989965e+27
79.6	1788566842920000000000000000	1.78856684292e+27
79.7	1790813786190000000000000000	1.79081378619e+27
79.8	1793060729460000000000000000	1.79306072946e+27

83.7	1880691516990000000000000000	1.88069151699e+27
83.8	1882938460260000000000000000	1.88293846026e+27
83.9	1885185403530000000000000000	1.88518540353e+27
84	1887432346800000000000000000	1.8874323468e+27
84.1	1889679290070000000000000000	1.88967929007e+27
84.2	1891926233340000000000000000	1.89192623334e+27
84.3	1894173176610000000000000000	1.89417317661e+27
84.4	1896420119880000000000000000	1.89642011988e+27
84.5	1898667063150000000000000000	1.89866706315e+27
84.6	1900914006420000000000000000	1.90091400642e+27
84.7	1903160949690000000000000000	1.90316094969e+27
84.8	1905407892960000000000000000	1.90540789296e+27
84.9	1907654836230000000000000000	1.90765483623e+27
85	1909901779500000000000000000	1.9099017795e+27
85.1	1912148722770000000000000000	1.91214872277e+27
85.2	1914395666040000000000000000	1.91439566604e+27
85.3	1916642609310000000000000000	1.91664260931e+27
85.4	1918889552580000000000000000	1.91888955258e+27
85.5	1921136495850000000000000000	1.92113649585e+27
85.6	1923383439120000000000000000	1.92338343912e+27
85.7	1925630382390000000000000000	1.92563038239e+27
85.8	1927877325660000000000000000	1.92787732566e+27
85.9	1930124268930000000000000000	1.93012426893e+27
86	1932371212200000000000000000	1.9323712122e+27
86.1	1934618155470000000000000000	1.93461815547e+27
86.2	1936865098740000000000000000	1.93686509874e+27
86.3	1939112042010000000000000000	1.93911204201e+27
86.4	1941358985280000000000000000	1.94135898528e+27
86.5	1943605928550000000000000000	1.94360592855e+27
86.6	1945852871820000000000000000	1.94585287182e+27
86.7	1948099815090000000000000000	1.94809981509e+27
86.8	1950346758360000000000000000	1.95034675836e+27
86.9	1952593701630000000000000000	1.95259370163e+27
87	1954840644900000000000000000	1.9548406449e+27
87.1	1957087588170000000000000000	1.95708758817e+27
87.2	1959334531440000000000000000	1.95933453144e+27
87.3	1961581474710000000000000000	1.96158147471e+27
87.4	1963828417980000000000000000	1.96382841798e+27

91.3	2051459205510000000000000000	2.05145920551e+27
91.4	2053706148780000000000000000	2.05370614878e+27
91.5	2055953092050000000000000000	2.05595309205e+27
91.6	2058200035320000000000000000	2.05820003532e+27
91.7	2060446978590000000000000000	2.06044697859e+27
91.8	2062693921860000000000000000	2.06269392186e+27
91.9	2064940865130000000000000000	2.06494086513e+27
92	2067187808400000000000000000	2.0671878084e+27
92.1	2069434751670000000000000000	2.06943475167e+27
92.2	2071681694940000000000000000	2.07168169494e+27
92.3	2073928638210000000000000000	2.07392863821e+27
92.4	2076175581480000000000000000	2.07617558148e+27
92.5	2078422524750000000000000000	2.07842252475e+27
92.6	2080669468020000000000000000	2.08066946802e+27
92.7	2082916411290000000000000000	2.08291641129e+27
92.8	2085163354560000000000000000	2.08516335456e+27
92.9	2087410297830000000000000000	2.08741029783e+27
93	2089657241100000000000000000	2.0896572411e+27
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93.2	2094151127640000000000000000	2.09415112764e+27
93.3	2096398070910000000000000000	2.09639807091e+27
93.4	2098645014180000000000000000	2.09864501418e+27
93.5	2100891957450000000000000000	2.10089195745e+27
93.6	2103138900720000000000000000	2.10313890072e+27
93.7	2105385843990000000000000000	2.10538584399e+27
93.8	2107632787260000000000000000	2.10763278726e+27
93.9	2109879730530000000000000000	2.10987973053e+27
94	2112126673800000000000000000	2.1121266738e+27
94.1	2114373617070000000000000000	2.11437361707e+27
94.2	2116620560340000000000000000	2.11662056034e+27
94.3	2118867503610000000000000000	2.11886750361e+27
94.4	2121114446880000000000000000	2.12111444688e+27
94.5	2123361390150000000000000000	2.12336139015e+27
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94.7	2127855276690000000000000000	2.12785527669e+27
94.8	2130102219960000000000000000	2.13010221996e+27
94.9	2132349163230000000000000000	2.13234916323e+27
95	2134596106500000000000000000	2.1345961065e+27

98.9	2222226894030000000000000000	2.22222689403e+27
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99.4	2233461610380000000000000000	2.23346161038e+27
99.5	2235708553650000000000000000	2.23570855365e+27
99.6	2237955496920000000000000000	2.23795549692e+27
99.7	2240202440190000000000000000	2.24020244019e+27
99.8	2242449383460000000000000000	2.24244938346e+27
99.9	2244696326730000000000000000	2.24469632673e+27
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136.5	3067077563550000000000000000	3.06707756355e+27
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136.7	3071571450090000000000000000	3.07157145009e+27
136.8	3073818393360000000000000000	3.07381839336e+27

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138.3	3107522542410000000000000000	3.10752254241e+27
138.4	3109769485680000000000000000	3.10976948568e+27
138.5	3112016428950000000000000000	3.11201642895e+27
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139	3123251145300000000000000000	3.1232511453e+27
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139.7	3138979748190000000000000000	3.13897974819e+27
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139.9	3143473634730000000000000000	3.14347363473e+27
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175.5	3943385438850000000000000000	3.94338543885e+27
175.6	3945632382120000000000000000	3.94563238212e+27
175.7	3947879325390000000000000000	3.94787932539e+27
175.8	3950126268660000000000000000	3.95012626866e+27
175.9	3952373211930000000000000000	3.95237321193e+27
176	3954620155200000000000000000	3.9546201552e+27
176.1	3956867098470000000000000000	3.95686709847e+27
176.2	3959114041740000000000000000	3.95911404174e+27
176.3	3961360985010000000000000000	3.96136098501e+27
176.4	3963607928280000000000000000	3.96360792828e+27
176.5	3965854871550000000000000000	3.96585487155e+27
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176.7	3970348758090000000000000000	3.97034875809e+27
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176.9	3974842644630000000000000000	3.97484264463e+27
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177.2	3981583474440000000000000000	3.98158347444e+27
177.3	3983830417710000000000000000	3.98383041771e+27
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177.5	3988324304250000000000000000	3.98832430425e+27
177.6	3990571247520000000000000000	3.99057124752e+27
177.7	3992818190790000000000000000	3.99281819079e+27
177.8	3995065134060000000000000000	3.99506513406e+27
177.9	3997312077330000000000000000	3.99731207733e+27
178	3999559020600000000000000000	3.9995590206e+27
178.1	4001805963870000000000000000	4.00180596387e+27
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178.3	4006299850410000000000000000	4.00629985041e+27
178.4	4008546793680000000000000000	4.00854679368e+27
178.5	4010793736950000000000000000	4.01079373695e+27
178.6	4013040680220000000000000000	4.01304068022e+27

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186.7	4195043085090000000000000000	4.19504308509e+27
186.8	4197290028360000000000000000	4.19729002836e+27
186.9	4199536971630000000000000000	4.19953697163e+27
187	4201783914900000000000000000	4.2017839149e+27
187.1	4204030858170000000000000000	4.20403085817e+27
187.2	4206277801440000000000000000	4.20627780144e+27
187.3	4208524744710000000000000000	4.20852474471e+27
187.4	4210771687980000000000000000	4.21077168798e+27
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187.6	4215265574520000000000000000	4.21526557452e+27
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187.8	4219759461060000000000000000	4.21975946106e+27
187.9	4222006404330000000000000000	4.22200640433e+27
188	4224253347600000000000000000	4.2242533476e+27
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188.3	4230994177410000000000000000	4.23099417741e+27
188.4	4233241120680000000000000000	4.23324112068e+27
188.5	4235488063950000000000000000	4.23548806395e+27
188.6	4237735007220000000000000000	4.23773500722e+27
188.7	4239981950490000000000000000	4.23998195049e+27
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189.9	4266945269730000000000000000	4.26694526973e+27
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191.7	4307390248590000000000000000	4.30739024859e+27
191.8	4309637191860000000000000000	4.30963719186e+27
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192.3	4320871908210000000000000000	4.32087190821e+27
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193.6	4350082170720000000000000000	4.35008217072e+27
193.7	4352329113990000000000000000	4.35232911399e+27
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226.8	5096067336360000000000000000	5.09606733636e+27
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227.7	5116289825790000000000000000	5.11628982579e+27
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230.8	5185945067160000000000000000	5.18594506716e+27
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232.7	5228636989290000000000000000	5.22863698929e+27
232.8	5230883932560000000000000000	5.23088393256e+27
232.9	5233130875830000000000000000	5.23313087583e+27
233	5235377819100000000000000000	5.2353778191e+27
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384.6	86417438164200000000000000000000	8.64174381642e+27
384.7	86439907596900000000000000000000	8.64399075969e+27
384.8	86462377029600000000000000000000	8.64623770296e+27
384.9	86484846462300000000000000000000	8.64848464623e+27
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385.3	86574724193100000000000000000000	8.65747241931e+27
385.4	86597193625800000000000000000000	8.65971936258e+27
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385.9	86709540789300000000000000000000	8.67095407893e+27
386	86732010222000000000000000000000	8.6732010222e+27
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386.6	86866826818200000000000000000000	8.68668268182e+27
386.7	86889296250900000000000000000000	8.68892962509e+27
386.8	86911765683600000000000000000000	8.69117656836e+27
386.9	86934235116300000000000000000000	8.69342351163e+27
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387.3	87024112847100000000000000000000	8.70241128471e+27
387.4	87046582279800000000000000000000	8.70465822798e+27
387.5	87069051712500000000000000000000	8.70690517125e+27
387.6	87091521145200000000000000000000	8.70915211452e+27

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387.8	8713646001060000000000000000	8.71364600106e+27
387.9	8715892944330000000000000000	8.71589294433e+27
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388.4	8727127660680000000000000000	8.72712766068e+27
388.5	8729374603950000000000000000	8.72937460395e+27
388.6	8731621547220000000000000000	8.73162154722e+27
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388.8	8736115433760000000000000000	8.73611543376e+27
388.9	8738362377030000000000000000	8.73836237703e+27
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394	88529564838000000000000000000000	8.8529564838e+27
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394.2	88574503703400000000000000000000	8.85745037034e+27
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394.6	88664381434200000000000000000000	8.86643814342e+27
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423.8	9522545578260000000000000000	9.52254557826e+27
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425.6	9562990557120000000000000000	9.56299055712e+27

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426.9	9592200819630000000000000000	9.59220081963e+27
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458.3	10297741006410000000000000000000	1.029774100641e+28
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458.5	10302234892950000000000000000000	1.030223489295e+28
458.6	10304481836220000000000000000000	1.030448183622e+28
458.7	10306728779490000000000000000000	1.030672877949e+28
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458.9	10311222666030000000000000000000	1.031122266603e+28
459	10313469609300000000000000000000	1.03134696093e+28
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459.3	10320210439110000000000000000000	1.032021043911e+28
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459.7	10329198212190000000000000000000	1.032919821219e+28
459.8	10331445155460000000000000000000	1.033144515546e+28

459.9	10333692098730000000000000000000	1.033369209873e+28
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460.5	10347173758350000000000000000000	1.034717375835e+28
460.6	10349420701620000000000000000000	1.034942070162e+28
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460.9	10356161531430000000000000000000	1.035616153143e+28
461	10358408474700000000000000000000	1.03584084747e+28
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461.2	10362902361240000000000000000000	1.036290236124e+28
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461.7	10374137077590000000000000000000	1.037413707759e+28
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462	10380877907400000000000000000000	1.03808779074e+28
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462.4	10389865680480000000000000000000	1.038986568048e+28
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462.6	10394359567020000000000000000000	1.039435956702e+28
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603.3	13555808747910000000000000000000	1.355580874791e+28
603.4	13558055691180000000000000000000	1.355805569118e+28
603.5	13560302634450000000000000000000	1.356030263445e+28
603.6	13562549577720000000000000000000	1.356254957772e+28
603.7	13564796520990000000000000000000	1.356479652099e+28
603.8	13567043464260000000000000000000	1.356704346426e+28
603.9	13569290407530000000000000000000	1.356929040753e+28
604	13571537350800000000000000000000	1.35715373508e+28
604.1	13573784294070000000000000000000	1.357378429407e+28
604.2	13576031237340000000000000000000	1.357603123734e+28

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608.4	13670402854680000000000000000000	1.367040285468e+28
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815.5	1832382236685000000000000000	1.832382236685e+28
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946.8	2127405888036000000000000000	2.127405888036e+28
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948.2	2130551608614000000000000000	2.130551608614e+28
948.3	2130776302941000000000000000	2.130776302941e+28
948.4	2131000997268000000000000000	2.131000997268e+28
948.5	2131225691595000000000000000	2.131225691595e+28
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948.7	2131675080249000000000000000	2.131675080249e+28
948.8	2131899774576000000000000000	2.131899774576e+28
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949	2132349163230000000000000000	2.13234916323e+28
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1622.6	3645890149902000000000000000	3.645890149902e+28

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1749.8	39317013338460000000000000000000	3.931701333846e+28
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1909.7	4290987562719000000000000000	4.290987562719e+28
1909.8	4291212257046000000000000000	4.291212257046e+28
1909.9	4291436951373000000000000000	4.291436951373e+28
1910	4291661645700000000000000000	4.2916616457e+28
1910.1	4291886340027000000000000000	4.291886340027e+28
1910.2	4292111034354000000000000000	4.292111034354e+28
1910.3	4292335728681000000000000000	4.292335728681e+28
1910.4	4292560423008000000000000000	4.292560423008e+28
1910.5	4292785117335000000000000000	4.292785117335e+28
1910.6	4293009811662000000000000000	4.293009811662e+28
1910.7	4293234505989000000000000000	4.293234505989e+28
1910.8	4293459200316000000000000000	4.293459200316e+28
1910.9	4293683894643000000000000000	4.293683894643e+28
1911	4293908588970000000000000000	4.29390858897e+28
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1911.2	4294357977624000000000000000	4.294357977624e+28
1911.3	4294582671951000000000000000	4.294582671951e+28
1911.4	4294807366278000000000000000	4.294807366278e+28

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1911.6	42952567549320000000000000000000	4.295256754932e+28
1911.7	42954814492590000000000000000000	4.295481449259e+28
1911.8	42957061435860000000000000000000	4.295706143586e+28
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1912	42961555322400000000000000000000	4.29615553224e+28
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1912.2	42966049208940000000000000000000	4.296604920894e+28
1912.3	42968296152210000000000000000000	4.296829615221e+28
1912.4	42970543095480000000000000000000	4.297054309548e+28
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1912.6	42975036982020000000000000000000	4.297503698202e+28
1912.7	42977283925290000000000000000000	4.297728392529e+28
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1913	42984024755100000000000000000000	4.29840247551e+28
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1913.2	42988518641640000000000000000000	4.298851864164e+28
1913.3	42990765584910000000000000000000	4.299076558491e+28
1913.4	42993012528180000000000000000000	4.299301252818e+28
1913.5	42995259471450000000000000000000	4.299525947145e+28
1913.6	42997506414720000000000000000000	4.299750641472e+28
1913.7	42999753357990000000000000000000	4.299975335799e+28
1913.8	43002000301260000000000000000000	4.300200030126e+28
1913.9	43004247244530000000000000000000	4.300424724453e+28
1914	43006494187800000000000000000000	4.30064941878e+28
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1914.3	43013235017610000000000000000000	4.301323501761e+28
1914.4	43015481960880000000000000000000	4.301548196088e+28
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1914.6	43019975847420000000000000000000	4.301997584742e+28
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1914.8	43024469733960000000000000000000	4.302446973396e+28
1914.9	43026716677230000000000000000000	4.302671667723e+28
1915	43028963620500000000000000000000	4.30289636205e+28
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1915.2	43033457507040000000000000000000	4.303345750704e+28

1915.3	4303570445031000000000000000	4.303570445031e+28
1915.4	4303795139358000000000000000	4.303795139358e+28
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1915.8	4304693916666000000000000000	4.304693916666e+28
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1916.6	4306491471282000000000000000	4.306491471282e+28
1916.7	4306716165609000000000000000	4.306716165609e+28
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1917.6	4308738414552000000000000000	4.308738414552e+28
1917.7	4308963108879000000000000000	4.308963108879e+28
1917.8	4309187803206000000000000000	4.309187803206e+28
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1918.4	4310535969168000000000000000	4.310535969168e+28
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1918.6	4310985357822000000000000000	4.310985357822e+28
1918.7	4311210052149000000000000000	4.311210052149e+28
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1918.9	4311659440803000000000000000	4.311659440803e+28
1919	4311884135130000000000000000	4.31188413513e+28

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1919.4	4312782912438000000000000000	4.312782912438e+28
1919.5	4313007606765000000000000000	4.313007606765e+28
1919.6	4313232301092000000000000000	4.313232301092e+28
1919.7	4313456995419000000000000000	4.313456995419e+28
1919.8	4313681689746000000000000000	4.313681689746e+28
1919.9	4313906384073000000000000000	4.313906384073e+28
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1920.3	4314805161381000000000000000	4.314805161381e+28
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1920.9	4316153327343000000000000000	4.316153327343e+28
1921	4316378021670000000000000000	4.31637802167e+28
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1921.3	4317052104651000000000000000	4.317052104651e+28
1921.4	4317276798978000000000000000	4.317276798978e+28
1921.5	4317501493305000000000000000	4.317501493305e+28
1921.6	4317726187632000000000000000	4.317726187632e+28
1921.7	4317950881959000000000000000	4.317950881959e+28
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1921.9	4318400270613000000000000000	4.318400270613e+28
1922	4318624964940000000000000000	4.31862496494e+28
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1922.3	4319299047921000000000000000	4.319299047921e+28
1922.4	4319523742248000000000000000	4.319523742248e+28
1922.5	4319748436575000000000000000	4.319748436575e+28
1922.6	4319973130902000000000000000	4.319973130902e+28
1922.7	4320197825229000000000000000	4.320197825229e+28
1922.8	4320422519556000000000000000	4.320422519556e+28

1922.9	43206472138830000000000000000000	4.320647213883e+28
1923	43208719082100000000000000000000	4.32087190821e+28
1923.1	43210966025370000000000000000000	4.321096602537e+28
1923.2	43213212968640000000000000000000	4.321321296864e+28
1923.3	43215459911910000000000000000000	4.321545991191e+28
1923.4	43217706855180000000000000000000	4.321770685518e+28
1923.5	43219953798450000000000000000000	4.321995379845e+28
1923.6	43222200741720000000000000000000	4.322220074172e+28
1923.7	43224447684990000000000000000000	4.322444768499e+28
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1923.9	43228941571530000000000000000000	4.322894157153e+28
1924	43231188514800000000000000000000	4.32311885148e+28
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1924.9	43251411004230000000000000000000	4.325141100423e+28
1925	43253657947500000000000000000000	4.32536579475e+28
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1925.3	43260398777310000000000000000000	4.326039877731e+28
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1925.5	43264892663850000000000000000000	4.326489266385e+28
1925.6	43267139607120000000000000000000	4.326713960712e+28
1925.7	43269386550390000000000000000000	4.326938655039e+28
1925.8	43271633493660000000000000000000	4.327163349366e+28
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1926.2	43280621266740000000000000000000	4.328062126674e+28
1926.3	43282868210010000000000000000000	4.328286821001e+28
1926.4	43285115153280000000000000000000	4.328511515328e+28
1926.5	43287362096550000000000000000000	4.328736209655e+28
1926.6	43289609039820000000000000000000	4.328960903982e+28

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1927.9	4331881930233000000000000000	4.331881930233e+28
1928	4332106624560000000000000000	4.33210662456e+28
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1928.4	4333005401868000000000000000	4.333005401868e+28
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1930.6	4337948677062000000000000000	4.337948677062e+28
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1931.5	4339970926005000000000000000	4.339970926005e+28
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1932.5	4342217869275000000000000000	4.342217869275e+28
1932.6	4342442563602000000000000000	4.342442563602e+28
1932.7	4342667257929000000000000000	4.342667257929e+28
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1933.7	4344914201199000000000000000	4.344914201199e+28
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1936.3	4350756253701000000000000000	4.350756253701e+28
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1936.5	4351205642355000000000000000	4.351205642355e+28
1936.6	4351430336682000000000000000	4.351430336682e+28
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1936.9	4352104419663000000000000000	4.352104419663e+28
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1937.2	4352778502644000000000000000	4.352778502644e+28
1937.3	4353003196971000000000000000	4.353003196971e+28
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1939.7	43583958608190000000000000000000	4.358395860819e+28
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1940.3	43597440267810000000000000000000	4.359744026781e+28
1940.4	43599687211080000000000000000000	4.359968721108e+28
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1940.7	43606428040890000000000000000000	4.360642804089e+28
1940.8	43608674984160000000000000000000	4.360867498416e+28
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1941	43613168870700000000000000000000	4.36131688707e+28
1941.1	43615415813970000000000000000000	4.361541581397e+28
1941.2	43617662757240000000000000000000	4.361766275724e+28
1941.3	43619909700510000000000000000000	4.361990970051e+28
1941.4	43622156643780000000000000000000	4.362215664378e+28
1941.5	43624403587050000000000000000000	4.362440358705e+28
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1941.7	43628897473590000000000000000000	4.362889747359e+28
1941.8	43631144416860000000000000000000	4.363114441686e+28

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2171.6	48794620051320000000000000000000	4.879462005132e+28
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2172.8	48821583370560000000000000000000	4.882158337056e+28
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2173.3	48832818086910000000000000000000	4.883281808691e+28
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2173.5	48837311973450000000000000000000	4.883731197345e+28
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2234.3	50203453481610000000000000000000	5.020345348161e+28
2234.4	50205700424880000000000000000000	5.020570042488e+28

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2234.7	5021244125469000000000000000	5.021244125469e+28
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2235.6	5023266374412000000000000000	5.023266374412e+28
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2236.8	5025962706336000000000000000	5.025962706336e+28
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2298.8	5165273189076000000000000000	5.165273189076e+28
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2300.3	51686436039810000000000000000000	5.168643603981e+28
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2300.6	51693176869620000000000000000000	5.169317686962e+28
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2300.8	51697670756160000000000000000000	5.169767075616e+28
2300.9	51699917699430000000000000000000	5.169991769943e+28
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2301.2	51706658529240000000000000000000	5.170665852924e+28
2301.3	51708905472510000000000000000000	5.170890547251e+28
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2301.6	51715646302320000000000000000000	5.171564630232e+28
2301.7	51717893245590000000000000000000	5.171789324559e+28
2301.8	51720140188860000000000000000000	5.172014018886e+28
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2310.5	51915624253350000000000000000000	5.191562425335e+28
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2491.8	5598933240186000000000000000	5.598933240186e+28
2491.9	5599157934513000000000000000	5.599157934513e+28
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2492.3	5600056711821000000000000000	5.600056711821e+28
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2492.5	5600506100475000000000000000	5.600506100475e+28
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2492.7	5600955489129000000000000000	5.600955489129e+28
2492.8	5601180183456000000000000000	5.601180183456e+28

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2493.7	5603202432399000000000000000	5.603202432399e+28
2493.8	5603427126726000000000000000	5.603427126726e+28
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2524.6	5672632979442000000000000000	5.672632979442e+28
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2525.5	5674655228385000000000000000	5.674655228385e+28
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2555.6	57422882208120000000000000000000	5.742288220812e+28
2555.7	57425129151390000000000000000000	5.742512915139e+28
2555.8	57427376094660000000000000000000	5.742737609466e+28
2555.9	57429623037930000000000000000000	5.742962303793e+28
2556	57431869981200000000000000000000	5.74318699812e+28
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2556.2	57436363867740000000000000000000	5.743636386774e+28
2556.3	57438610811010000000000000000000	5.743861081101e+28
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2556.7	57447598584090000000000000000000	5.744759858409e+28
2556.8	57449845527360000000000000000000	5.744984552736e+28
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2587	5812842239490000000000000000	5.81284223949e+28
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3262.3	7330203029721000000000000000	7.330203029721e+28
3262.4	7330427724048000000000000000	7.330427724048e+28
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3262.6	7330877112702000000000000000	7.330877112702e+28
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3262.8	7331326501356000000000000000	7.331326501356e+28
3262.9	7331551195683000000000000000	7.331551195683e+28
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3263.3	7332449972991000000000000000	7.332449972991e+28
3263.4	7332674667318000000000000000	7.332674667318e+28
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3738.7	84006468035490000000000000000000	8.400646803549e+28
3738.8	84008714978760000000000000000000	8.400871497876e+28
3738.9	84010961922030000000000000000000	8.401096192203e+28
3739	84013208865300000000000000000000	8.40132088653e+28
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3739.2	84017702751840000000000000000000	8.401770275184e+28

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3741.7	8407387633359000000000000000	8.407387633359e+28
3741.8	8407612327686000000000000000	8.407612327686e+28
3741.9	8407837022013000000000000000	8.407837022013e+28
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3961.9	8902164541413000000000000000	8.902164541413e+28
3962	8902389235740000000000000000	8.90238923574e+28
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3962.9	8904411484683000000000000000	8.904411484683e+28
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4215.5	9471989354685000000000000000	9.471989354685e+28
4215.6	9472214049012000000000000000	9.472214049012e+28
4215.7	9472438743339000000000000000	9.472438743339e+28
4215.8	9472663437666000000000000000	9.472663437666e+28
4215.9	9472888131993000000000000000	9.472888131993e+28
4216	9473112826320000000000000000	9.47311282632e+28
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4216.3	9473786909301000000000000000	9.473786909301e+28
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4216.8	9474910380936000000000000000	9.474910380936e+28
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4217.2	9475809158244000000000000000	9.475809158244e+28
4217.3	9476033852571000000000000000	9.476033852571e+28
4217.4	9476258546898000000000000000	9.476258546898e+28
4217.5	9476483241225000000000000000	9.476483241225e+28
4217.6	9476707935552000000000000000	9.476707935552e+28
4217.7	9476932629879000000000000000	9.476932629879e+28
4217.8	9477157324206000000000000000	9.477157324206e+28
4217.9	9477382018533000000000000000	9.477382018533e+28
4218	9477606712860000000000000000	9.47760671286e+28

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4218.4	9478505490168000000000000000	9.478505490168e+28
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4218.6	9478954878822000000000000000	9.478954878822e+28
4218.7	9479179573149000000000000000	9.479179573149e+28
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4219	9479853656130000000000000000	9.47985365613e+28
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4219.6	9481201822092000000000000000	9.481201822092e+28
4219.7	9481426516419000000000000000	9.481426516419e+28
4219.8	9481651210746000000000000000	9.481651210746e+28
4219.9	9481875905073000000000000000	9.481875905073e+28
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4220.3	9482774682381000000000000000	9.482774682381e+28
4220.4	9482999376708000000000000000	9.482999376708e+28
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4311	9686572436970000000000000000	9.68657243697e+28
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4316.8	969960470793600000000000000000	9.699604707936e+28

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4375.7	98319496665390000000000000000000	9.831949666539e+28
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4406.7	9901604907909000000000000000	9.901604907909e+28
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4407.2	9902728379544000000000000000	9.902728379544e+28
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4407.7	9903851851179000000000000000	9.903851851179e+28
4407.8	9904076545506000000000000000	9.904076545506e+28
4407.9	9904301239833000000000000000	9.904301239833e+28
4408	9904525934160000000000000000	9.90452593416e+28

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4408.8	99063234887760000000000000000000	9.906323488776e+28
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4411.8	99130643185860000000000000000000	9.913064318586e+28

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4501.8	101152892128860000000000000000	1.0115289212886e+29
4501.9	101155139072130000000000000000	1.0115513907213e+29
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4502.7	101173114618290000000000000000	1.0117311461829e+29
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4503.8	101197830994260000000000000000	1.0119783099426e+29
4503.9	101200077937530000000000000000	1.0120007793753e+29
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