



Smartnode Collaterals & Reward Structure

V1.3

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Smartnode Collateral Roadmap


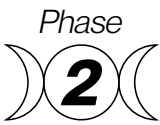
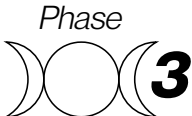


Raptoreum has a smooth & unique emission curve

Reduction is every **21,262 blocks** which is **29 days 12 hours and 44 minutes**. every reduction is called an '**Owling**' and is slowly **decreasing every full moon** ensuring a smooth emission of RTM in comparison to other major coins such as BTC or RVN sharing the same basic structure.

Each phase:
8 years (2 regular 4 years halving)
99 lunar months

The First 24 Years:

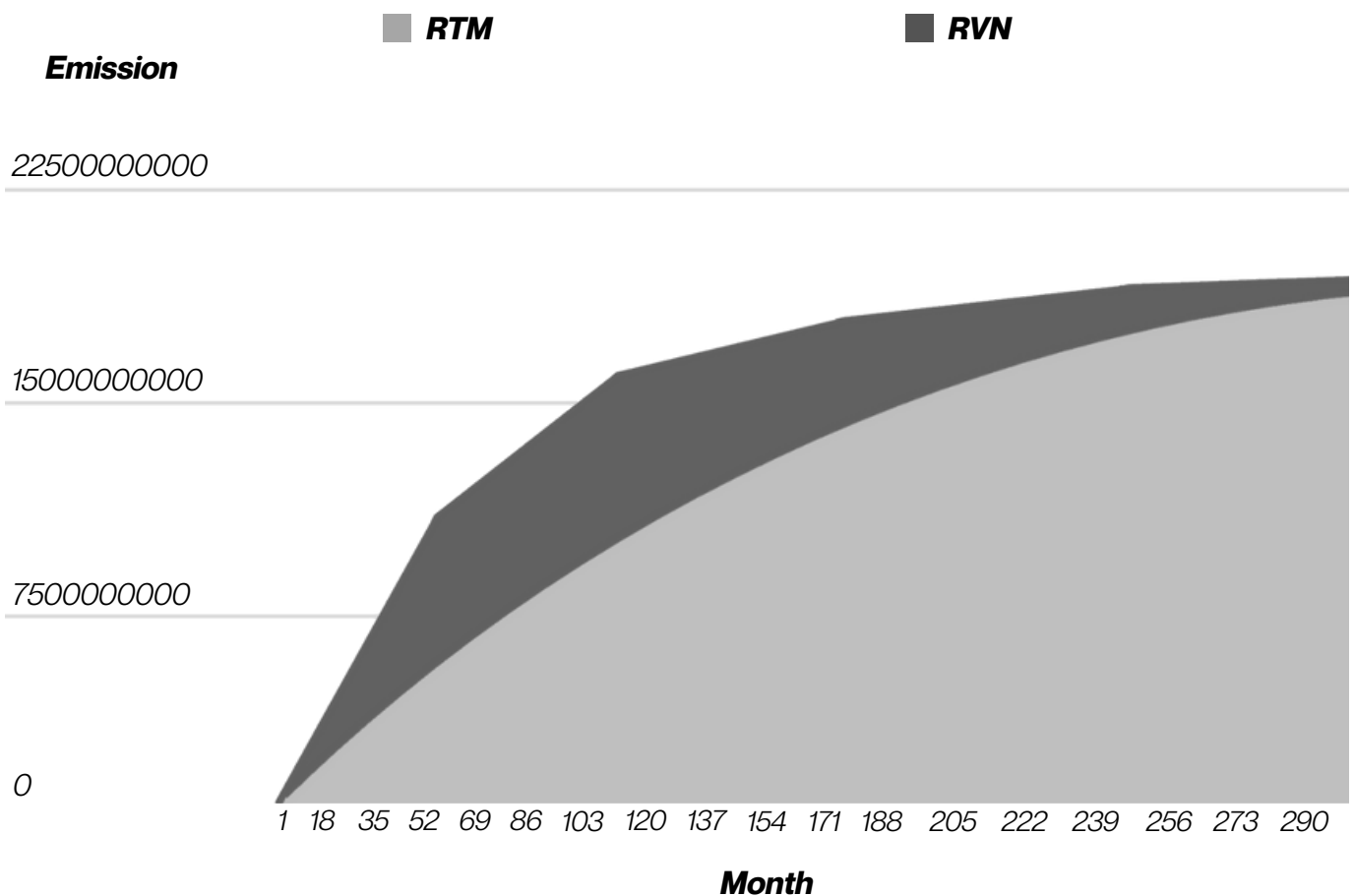
- Phase 1  **1 day/720 blocks at 4 RTM** block reward
26 lunar months at 5000 RTM block reward
73 lunar months with a 10 RTM block reward reduction
- Phase 2  **99 lunar months with a 20 RTM** block reward reduction
- Phase 3  **50 lunar months with a 20 RTM** block reward reduction
49 lunar months with a 10 RTM block reward reduction

In the first 24 years, the Raptoreum chain will have a very smoothly deployed **20,223,989,880 RTM** into circulation at **96.3%**

In the first 24 years, the Ravencoin chain will have a sharp stepped deployed **20,674,189,687 RVN** into circulation at **98.44%**

It is important to us that Raptoreum does not promote market volatility at set large halving's as seen on other chains as we feel this hurts the community while allowing bad actors to profit from chain events. This model is entirely price focused which we feel goes against true cypherpunk morals.

The graph below clearly shows Ravencoin's halvings over time in comparison to the smooth emissions of Raptoreum



Lunar Month	Start Height	End Height	Block Reward	Monthly Reward	Circulating Supply
Fair Launch Day 1	1	720	4	2880	2880
1 (minus 1 day)	721	21261	5000	106307120	102,712,880.00
2	21262	43243	5000	106310000	209,022,880.00
3	43244	64505	5000	106310000	315,332,880.00
4	64506	85,767	5000	106310000	421,642,880.00
5	85768	107029	5000	106310000	527,952,880.00
6	107030	128291	5000	106310000	634,262,880.00
7	128292	149553	5000	106310000	740,572,880.00
8	149554	170815	5000	106310000	846,882,880.00
9	170816	192077	5000	106310000	953,192,880.00
10	192078	213339	5000	106310000	1,059,502,880.00
11	213340	234601	5000	106310000	1,165,812,880.00
12	234602	255863	5000	106310000	1,272,122,880.00
13	255864	277125	5000	106310000	1,378,432,880.00
14	277126	298387	5000	106310000	1,484,742,880.00
15	298288	319649	5000	106310000	1,591,052,880.00
16	319650	340911	5000	106310000	1,697,362,880.00
17	340912	362173	5000	106310000	1,803,672,880.00
18	363174	383435	5000	106310000	1,909,982,880.00
19	383436	404697	5000	106310000	2,016,292,880.00
20	404698	425959	5000	106310000	2,122,602,880.00
21	425960	447221	5000	106310000	2,228,912,880.00
22	447222	468483	5000	106310000	2,335,222,880.00
23	468484	489745	5000	106310000	2,441,532,880.00
24	489746	511007	5000	106310000	2,547,842,880.00
25	512008	532269	5000	106310000	2,654,152,880.00
26	532270	553531	5000	106310000	2,760,462,880.00
27	553532	574793	4990	106097380	2,866,560,260.00
28	574794	596055	4980	105884760	2,972,445,020.00
29	596056	617317	4970	105672140	3,078,117,160.00
30	617318	638579	4960	105459520	3,183,576,680.00
31	638580	659841	4950	105246900	3,288,823,580.00
32	659842	681103	4940	105034280	3,393,857,860.00
33	681104	702365	4930	104821660	3,498,679,520.00



Lunar Month	Start Height	End Height	Block Reward	Monthly Reward	Circulating Supply
34	702365	723627	4920	104609040	3,603,288,560.00
35	723628	744889	4910	104396420	3,707,684,980.00
36	744890	766151	4900	104183800	3,811,868,780.00
37	766152	787413	4890	103971180	3,915,839,960.00
38	787414	808675	4880	103758560	4,019,598,520.00
39	808676	829937	4870	103545940	4,123,144,460.00
40	829938	851199	4860	103333320	4,226,477,780.00
41	851200	872461	4850	103120700	4,329,598,480.00
42	872462	893723	4840	102908080	4,432,506,560.00
43	893724	914985	4830	102695460	4,535,202,020.00
44	914986	936247	4820	102482840	4,637,684,860.00
45	936248	957509	4810	102270220	4,739,955,080.00
46	957510	978771	4800	102057600	4,842,012,680.00
47	978772	1000033	4790	101844980	4,943,857,660.00
48	1000034	1021295	4780	101632360	5,045,490,020.00
49	1021296	1042557	4770	101419740	5,146,909,760.00
50	1042558	1063819	4760	101207120	5,248,116,880.00
51	1063820	1085081	4750	100994500	5,349,111,380.00
52	1085082	1106343	4740	100781880	5,449,893,260.00
53	1106344	1127605	4730	100569260	5,550,462,520.00
54	1127606	1148867	4720	100356640	5,650,819,160.00
55	1148868	1170129	4710	100144020	5,750,963,180.00
56	1170130	1191391	4700	99931400	5,850,894,580.00
57	1191392	1212653	4690	99718780	5,950,613,360.00
58	1212654	1233915	4680	99506160	6,050,119,520.00
59	1233916	1255177	4670	99293540	6,149,413,060.00
60	1255178	1276439	4660	99080920	6,248,493,980.00
61	1276440	1297701	4650	98868300	6,347,362,280.00
62	1297702	1318963	4640	98655680	6,446,017,960.00
63	1318964	1340225	4630	98443060	6,544,461,020.00
64	1340226	1361487	4620	98230440	6,642,691,460.00
65	1361488	1382749	4610	98017820	6,740,709,280.00
66	1382750	1404011	4600	97805200	6,838,514,480.00

APTORE



Lunar Month	Start Height	End Height	Block Reward	Monthly reward	Circulating Supply
67	1404012	1425273	4590	97592580	6,936,107,060.00
68	1425274	1446535	4580	97379960	7,033,487,020.00
69	1446536	1467797	4570	97167340	7,130,654,360.00
70	1467798	1489059	4560	96954720	7,227,609,080.00
71	1489060	1510321	4550	96742100	7,324,351,180.00
72	1510322	1531583	4540	96529480	7,420,880,660.00
73	1531584	1552845	4530	96316860	7,517,197,520.00
74	1552846	1574107	4520	96104240	7,613,301,760.00
75	1574108	1595369	4510	95891620	7,709,193,380.00
76	1595369	1616631	4500	95679000	7,804,872,380.00
77	1616631	1637893	4490	95466380	7,900,338,760.00
78	1637894	1659155	4480	95253760	7,995,592,520.00
79	1659156	1680417	4470	95041140	8,090,633,660.00
80	1680418	1701679	4460	94828520	8,185,462,180.00
81	1701680	1722941	4450	94615900	8,280,078,080.00
82	1722942	1744203	4440	94403280	8,374,481,360.00
83	1744204	1765465	4430	94190660	8,468,672,020.00
84	1765466	1786727	4420	93978040	8,562,650,060.00
85	1786728	1807989	4410	93765420	8,656,415,480.00
86	1807990	1829251	4400	93552800	8,749,968,280.00
87	1829252	1850513	4390	93340180	8,843,308,460.00
88	1850514	1871775	4380	93127560	8,936,436,020.00
89	1871776	1893037	4370	92914940	9,029,350,960.00
90	1893038	1914299	4360	92702320	9,122,053,280.00
91	1914300	1935561	4350	92489700	9,214,542,980.00
92	1935562	1956823	4340	92277080	9,306,820,060.00
93	1956824	1978085	4330	92064460	9,398,884,520.00
94	1978086	1999347	4320	91851840	9,490,736,360.00
95	1999348	2020609	4310	91639220	9,582,375,580.00
96	2020610	2041871	4300	91426600	9,673,802,180.00
97	2041872	2063133	4290	91213980	9,765,016,160.00
98	2063134	2084395	4280	91001360	9,856,017,520.00
99	2084395	2105657	4270	90788740	9,946,806,260.00



Lunar Month	Start Height	End Height	Block Reward	Monthly Reward	Circulating Supply
100	2105658	2126919	4250	90363500	10,037,169,760.00
101	2126920	2148181	4230	89938260	10,127,108,020.00
102	2148182	2169443	4210	89513020	10,216,621,040.00
103	2169444	2190705	4190	89087780	10,305,708,820.00
104	2190706	2211967	4170	88662540	10,394,371,360.00
105	2211968	2233229	4150	88237300	10,482,608,660.00
106	2233230	2254491	4130	87812060	10,570,420,720.00
107	2254492	2275753	4110	87386820	10,657,807,540.00
108	2275754	2297015	4090	86961580	10,744,769,120.00
109	2297016	2318277	4070	86536340	10,831,305,460.00
110	2318278	2339539	4050	86111100	10,917,416,560.00
111	2339540	2360801	4030	85685860	11,003,102,420.00
112	2360802	2382063	4010	85260620	11,088,363,040.00
113	2382064	2403325	3990	84835380	11,173,198,420.00
114	2403326	2424587	3970	84410140	11,257,608,560.00
115	2424588	2445849	3950	83984900	11,341,593,460.00
116	2445850	2467111	3930	83559660	11,425,153,120.00
117	2467112	2488373	3910	83134420	11,508,287,540.00
118	2488374	2509635	3890	82709180	11,590,996,720.00
119	2509636	2530897	3870	82283940	11,673,280,660.00
120	2530898	2552159	3850	81858700	11,755,139,360.00
121	2552160	2573421	3830	81433460	11,836,572,820.00
122	2573422	2594683	3810	81008220	11,917,581,040.00
123	2594684	2615945	3790	80582980	11,998,164,020.00
124	2615946	2637207	3770	80157740	12,078,321,760.00
125	2637208	2658469	3750	79732500	12,158,054,260.00
126	2658470	2679731	3730	79307260	12,237,361,520.00
127	2679732	2700993	3710	78882020	12,316,243,540.00
128	2700994	2722255	3690	78456780	12,394,700,320.00
129	2722256	2743517	3670	78031540	12,472,731,860.00
130	2743518	2764779	3650	77606300	12,550,338,160.00
131	2764780	2786041	3630	77181060	12,627,519,220.00
132	2786042	2807303	3610	76755820	12,704,275,040.00
133	2807304	2828565	3590	76330580	12,780,605,620.00



Lunar Month	Start Height	End Height	Block Reward	Monthly Reward	Circulating Supply
134	2828566	2849827	3570	75905340	12,856,510,960.00
135	2849828	2871089	3550	75480100	12,931,991,060.00
136	2871090	2892351	3530	75054860	13,007,045,920.00
137	2892352	2913613	3510	74629620	13,081,675,540.00
138	2913614	2934875	3490	74204380	13,155,879,920.00
139	2934876	2956137	3470	73779140	13,229,659,060.00
140	2956138	2977399	3450	73353900	13,303,012,960.00
141	2977400	2998661	3430	72928660	13,375,941,620.00
142	2998662	3019923	3410	72503420	13,448,445,040.00
143	3019924	3041185	3390	72078180	13,520,523,220.00
144	3041186	3062447	3370	71652940	13,592,176,160.00
145	3062448	3083709	3350	71227700	13,663,403,860.00
146	3083710	3104971	3330	70802460	13,734,206,320.00
147	3104972	3126233	3310	70377220	13,804,583,540.00
148	3126234	3147495	3290	69951980	13,874,535,520.00
149	3147496	3168757	3270	69526740	13,944,062,260.00
150	3168758	3190019	3250	69101500	14,013,163,760.00
151	3190020	3211281	3230	68676260	14,081,840,020.00
152	3211282	3232543	3210	68251020	14,150,091,040.00
153	3232544	3253805	3190	67825780	14,217,916,820.00
154	3253806	3275067	3170	67400540	14,285,317,360.00
155	3275068	3296329	3150	66975300	14,352,292,660.00
156	3296330	3317591	3130	66550060	14,418,842,720.00
157	3317592	3338853	3110	66124820	14,484,967,540.00
158	3338854	3360115	3090	65699580	14,550,667,120.00
159	3360116	3381377	3070	65274340	14,615,941,460.00
160	3381378	3402639	3050	64849100	14,680,790,560.00
161	3402639	3423901	3030	64423860	14,745,214,420.00
162	3423902	3445163	3010	63998620	14,809,213,040.00
163	3445164	3466425	2990	63573380	14,872,786,420.00
164	3466426	3487687	2970	63148140	14,935,934,560.00
165	3487688	3508949	2950	62722900	14,998,657,460.00
166	3508950	3530211	2930	62297660	15,060,955,120.00

APTORE



Lunar Month	Start Height	End Height	Block Reward	Monthly Reward	Circulating Supply
167	3530212	3551473	2910	61872420	15,122,827,540.00
168	3551474	3572735	2890	61447180	15,184,274,720.00
169	3572736	3593997	2870	61021940	15,245,296,660.00
170	3593998	3615259	2850	60596700	15,305,893,360.00
171	3615260	3636521	2830	60171460	15,366,064,820.00
172	3636522	3657783	2810	59746220	15,425,811,040.00
173	3657784	3679045	2790	59320980	15,485,132,020.00
174	3679046	3700307	2770	58895740	15,544,027,760.00
175	3700308	3721569	2750	58470500	15,602,498,260.00
176	3721570	3742831	2730	58045260	15,660,543,520.00
177	3742832	3764093	2710	57620020	15,718,163,540.00
178	3764094	3785355	2690	57194780	15,775,358,320.00
179	3785356	3806617	2670	56769540	15,832,127,860.00
180	3806618	3827879	2650	56344300	15,888,472,160.00
181	3827880	3849141	2630	55919060	15,944,391,220.00
182	3849142	3870403	2610	55493820	15,999,885,040.00
183	3870404	3891665	2590	55068580	16,054,953,620.00
184	3891666	3912927	2570	54643340	16,109,596,960.00
185	3912928	3934189	2550	54218100	16,163,815,060.00
186	3934190	3955451	2530	53792860	16,217,607,920.00
187	3955452	3976713	2510	53367620	16,270,975,540.00
188	3976714	3997975	2490	52942380	16,323,917,920.00
189	3997976	4019237	2470	52517140	16,376,435,060.00
190	4019238	4040499	2450	52091900	16,428,526,960.00
191	4040500	4061761	2430	51666660	16,480,193,620.00
192	4061762	4083023	2410	51241420	16,531,435,040.00
193	4083024	4104285	2390	50816180	16,582,251,220.00
194	4104286	4125547	2370	50390940	16,632,642,160.00
195	4125548	4146809	2350	49965700	16,682,607,860.00
196	4146810	4168071	2330	49540460	16,732,148,320.00
197	4168072	4189333	2310	49115220	16,781,263,540.00
198	4189334	4210595	2290	48689980	16,829,953,520.00
199	4210596	4231857	2270	48264740	16,878,218,260.00



Lunar Month	Start Height	End Height	Block Reward	Monthly Reward	Circulating Supply
200	4231858	4253119	2250	47839500	16,926,057,760.00
201	4253120	4274381	2230	47414260	16,973,472,020.00
202	4274382	4295643	2210	46989020	17,020,461,040.00
203	4295644	4316905	2190	46563780	17,067,024,820.00
204	4316906	4338167	2170	46138540	17,113,163,360.00
205	4338168	4359429	2150	45713300	17,158,876,660.00
206	4359430	4380691	2130	45288060	17,204,164,720.00
207	4380692	4401953	2110	44862820	17,249,027,540.00
208	4401954	4423215	2090	44437580	17,293,465,120.00
209	4423216	4444477	2070	44012340	17,337,477,460.00
210	4444478	4465739	2050	43587100	17,381,064,560.00
211	4465740	4487001	2030	43161860	17,424,226,420.00
212	4487002	4508263	2010	42736620	17,466,963,040.00
213	4508264	4529525	1990	42311380	17,509,274,420.00
214	4529526	4550787	1970	41886140	17,551,160,560.00
215	4550788	4572049	1950	41460900	17,592,621,460.00
216	4572050	4593311	1930	41035660	17,633,657,120.00
217	4593312	4614573	1910	40610420	17,674,267,540.00
218	4614574	4635835	1890	40185180	17,714,452,720.00
219	4635836	4657097	1870	39759940	17,754,212,660.00
220	4657098	4678359	1850	39334700	17,793,547,360.00
221	4678360	4699621	1830	38909460	17,832,456,820.00
222	4699622	4720883	1810	38484220	17,870,941,040.00
223	4720884	4742145	1790	38058980	17,909,000,020.00
224	4742146	4763407	1770	37633740	17,946,633,760.00
225	4763408	4784669	1750	37208500	17,983,842,260.00
226	4784670	4805931	1730	36783260	18,020,625,520.00
227	4805932	4827193	1710	36358020	18,056,983,540.00
228	4827194	4848455	1690	35932780	18,092,916,320.00
229	4848456	4869717	1670	35507540	18,128,423,860.00
230	4869718	4890979	1650	35082300	18,163,506,160.00
231	4890980	4912241	1630	34657060	18,198,163,220.00
232	4912242	4933503	1610	34231820	18,232,395,040.00
233	4933504	4954765	1590	33806580	18,266,201,620.00



Lunar Month	Start Height	End Height	Block Reward	Monthly Reward	Circulating Supply
234	4954766	4976027	1570	33381340	18,299,582,960.00
235	4976028	4997289	1550	32956100	18,332,539,060.00
236	4997290	5018551	1530	32530860	18,365,069,920.00
237	5018552	5039813	1510	32105620	18,397,175,540.00
238	5039814	5061075	1490	31680380	18,428,855,920.00
239	5061076	5082337	1470	31255140	18,460,111,060.00
240	5082338	5103599	1450	30829900	18,490,940,960.00
241	5103600	5124861	1430	30404660	18,521,345,620.00
242	5124862	5146123	1410	29979420	18,551,325,040.00
243	5146124	5167385	1390	29554180	18,580,879,220.00
244	5167386	5188647	1370	29128940	18,610,008,160.00
245	5188648	5209909	1350	28703700	18,638,711,860.00
246	5209910	5231171	1330	28278460	18,666,990,320.00
247	5231172	5252433	1310	27853220	18,694,843,540.00
248	5252434	5273695	1290	27427980	18,722,271,520.00
249	5273696	5294957	1280	27215360	18,749,486,880.00
250	5294958	5316219	1270	27002740	18,776,489,620.00
251	5316220	5337481	1260	26790120	18,803,279,740.00
252	5337482	5358743	1250	26577500	18,829,857,240.00
253	5358744	5380005	1240	26364880	18,856,222,120.00
254	5380006	5401267	1230	26152260	18,882,374,380.00
255	5401268	5422529	1220	25939640	18,908,314,020.00
256	5422530	5443791	1210	25727020	18,934,041,040.00
257	5443792	5465053	1200	25514400	18,959,555,440.00
258	5465054	5486315	1190	25301780	18,984,857,220.00
259	5486316	5507577	1180	25089160	19,009,946,380.00
260	5507578	5528839	1170	24876540	19,034,822,920.00
261	5528840	5550101	1160	24663920	19,059,486,840.00
262	5550102	5571363	1150	24451300	19,083,938,140.00
263	5571364	5592625	1140	24238680	19,108,176,820.00
264	5592626	5613887	1130	24026060	19,132,202,880.00
265	5613888	5635149	1120	23813440	19,156,016,320.00
266	5635150	5656411	1110	23600820	19,179,617,140.00

APTORE



Lunar Month	Start Height	End Height	Block Reward	Monthly Reward	Circulating Supply
267	5656412	5677673	1100	23388200	19,203,005,340.00
268	5677674	5698935	1090	23175580	19,226,180,920.00
269	5698936	5720197	1080	22962960	19,249,143,880.00
270	5720198	5741459	1070	22750340	19,271,894,220.00
271	5741460	5762721	1060	22537720	19,294,431,940.00
272	5762722	5783983	1050	22325100	19,316,757,040.00
273	5783984	5805245	1040	22112480	19,338,869,520.00
274	5805246	5826507	1030	21899860	19,360,769,380.00
275	5826508	5847769	1020	21687240	19,382,456,620.00
276	5847770	5869031	1010	21474620	19,403,931,240.00
277	5869032	5890293	1000	21262000	19,425,193,240.00
278	5890294	5911555	990	21049380	19,446,242,620.00
279	5911556	5932817	980	20836760	19,467,079,380.00
280	5932818	5954079	970	20624140	19,487,703,520.00
281	5954080	5975341	960	20411520	19,508,115,040.00
282	5975342	5996603	950	20198900	19,528,313,940.00
283	5996604	6017865	940	19986280	19,548,300,220.00
284	6017866	6039127	930	19773660	19,568,073,880.00
285	6039128	6060389	920	19561040	19,587,634,920.00
286	6060390	6081651	910	19348420	19,606,983,340.00
287	6081652	6102913	900	19135800	19,626,119,140.00
288	6102914	6124175	890	18923180	19,645,042,320.00
289	6124176	6145437	880	18710560	19,663,752,880.00
290	6145438	6166699	870	18497940	19,682,250,820.00
291	6166700	6187961	860	18285320	19,700,536,140.00
292	6187962	6209223	850	18072700	19,718,608,840.00
293	6209224	6230485	840	17860080	19,736,468,920.00
294	6230486	6251747	830	17647460	19,754,116,380.00
295	6251748	6273009	820	17434840	19,771,551,220.00
296	6273010	6294271	810	17222220	19,788,773,440.00
297	6294272	6315533	800	17009600	19,805,783,040.00

