

分	秒	点			
1	2	3	4	5	
205,361	3,612	3,875	15,698	1,087,946	
81,207	9,851,426	875,632	20,714	2,614	
79,153	67,395	6,947	41,259	5,704,238	
42,897	2,803	4,068	87,321	3,810	
36,125	6,017	50,192	102,864	628,759	
90,748	8,764	1,509,483	356,170	9,275	
49,036	-395,280	6,209	39,067	896,351	
-23,570	-3,710,954	9,728,314	94,673	45,073	
-68,492	407,198	12,790	53,482	70,462	
-157,684	-46,235	467,351	78,905	3,195	

6	7	8	9	10	
26,104	8,205	2,705,364	15,486	1,260	
57,412	8,390,451	9,248,651	38,750	50,174	
71,529	4,783	7,293	62,598	895,402	
510,398	-61,950	362,079	-107,839	8,619,734	
32,547	3,579	30,851	83,047	27,483	
784,026	2,196	4,628	-54,912	342,061	
47,358	35,912	9,182	70,623	7,589	
69,173	529,647	16,407	935,261	3,627	
82,960	-247,068	574,890	-26,495	4,018,395	
93,681	-8,016,374	1,935	72,104	6,859	

11	12	13	14	15	
35,829	2,157	51,027	6,804,931	19,608	
547,901	31,478	-36,789	8,519	9,570,384	
76,423	7,540	65,824	3,247	-1,967,530	
92,514	5,028,963	640,398	2,510,894	8,072	
34,786	7,832	64,173	97,625	7,143	
50,962	14,095	31,457	371,450	5,821	
41,637	9,718	-28,694	7,683	2,539	
28,195	2,806,934	89,210	39,806	-41,286	
13,078	463,691	47,501	6,372	-406,753	
869,250	290,586	-502,973	142,058	348,962	

334,781	6,194,746	12,664,861	890,153	8,451,723
1,775,188	649,381	12,961,280	1,088,623	13,972,584
1,790,575	8,662,994	421,134	9,992,585	7,546,960

分

秒

点

1	2	3	4	5
35,702	90,145	20,971	5,684	283,971
86,514	47,326	7,168	384,062	1,809
58,027	51,084	1,943	67,831	5,186
19,463	98,470	6,418,732	9,750	6,743
65,634	-82,761	6,590	46,925	97,420
92,180	29,534	-4,705,819	2,510,349	9,571
41,938	306,897	9,285	7,691,238	24,038
72,541	34,256	-853,624	2,506	8,436,215
704,289	-275,813	365,407	8,417	3,105,692
950,376	-19,608	-83,026	403,179	560,427

6	7	8	9	10
9,253	41,509	36,594	143,956	8,431,796
2,650,184	13,982	7,180,653	205,467	3,502
78,960	-25,673	7,362	50,672	6,309,287
3,245	450,326	351,846	79,148	4,019
406,398	-207,185	8,927	82,391	42,530
892,516	98,760	-1,509,248	94,120	4,359
8,135,679	-86,051	5,039	37,092	7,164
7,534	91,437	4,710	79,814	958,671
14,702	32,794	-23,107	86,503	170,824
7,091	75,648	-642,985	62,835	25,968

11	12	13	14	15
89,215	7,894,345	75,128	68,340	8,329,614
3,607	5,108	36,814	15,924	5,342
4,821	1,254	-103,962	82,403	18,974
6,710	9,672	87,053	30,572	503,648
9,432,576	10,786	-60,397	64,237	40,726
601,489	259,860	429,605	78,195	691,837
-210,934	708,436	56,271	251,769	7,150
-87,592	1,942,063	41,580	43,196	8,209
-8,362,154	3,719	-28,749	27,058	9,753
5,073	37,528	94,312	509,681	2,054,861

2,126,664	279,530	1,187,627	11,129,941	12,531,072
12,205,562	485,547	5,419,791	921,998	15,958,120
1,482,811	10,872,771	627,655	1,171,375	11,670,114

分

秒

点

1	2	3	4	5
64,038	16,829	832,765	205,418	586,021
-17,602	8,415	7,593	63,145	4,705,916
53,946	4,956	43,205	40,853	4,723
592,164	7,043	1,674	94,108	-2,163,487
-209,783	9,521,780	206,158	23,574	8,592
81,250	58,263	1,720,849	17,936	-91,834
45,739	9,547	5,932	98,267	53,670
-30,576	3,497,601	1,368,074	59,682	9,107
81,697	602,134	79,210	72,015	2,398
78,124	180,372	4,986	631,790	-840,956

6	7	8	9	10
7,420	9,305	91,560	65,230	3,685,420
9,862,751	4,586	432,976	34,987	471,209
158,269	581,634	74,803	248,761	-2,149,356
9,304,615	50,917	59,182	10,976	-80,195
71,068	7,492	23,047	507,619	4,856
2,573	892,063	-106,429	59,423	62,347
7,346	8,046,279	65,318	96,048	7,031
30,892	3,821	-10,854	18,702	3,812
495,301	3,718,460	45,798	71,543	8,973
4,987	21,756	-28,637	23,185	-706,589

11	12	13	14	15
706,421	7,392,180	37,852	193,465	20,897
-58,017	5,709	975,160	6,321,580	54,106
72,509	107,234	82,431	9,312	231,089
84,370	60,971	1,249,057	36,097	78,924
93,284	8,496	8,516	48,573	69,530
-15,862	1,045	860,439	3,601	86,753
27,639	-956,813	6,794	6,705,128	73,468
90,162	-6,529,384	3,148	7,294	15,679
39,645	-74,521	5,029,603	870,945	401,582
-341,586	3,268	3,278	4,728	92,341

738,997	13,906,940	4,270,446	1,306,788	2,274,150
19,945,222	13,336,313	646,764	1,136,474	1,307,508
698,565	18,185	8,256,278	14,200,723	1,124,369

分	秒	点
1	2	3
19,506	385,741	6,023,748
95,487	3,015	8,295
741,693	5,201,976	6,159
74,825	92,384	-73,910
-63,218	468,709	7,628
36,170	6,510	1,034
84,069	7,631,928	-2,547,801
-20,453	4,862	-910,657
52,791	7,193	92,834
-607,382	40,256	384,576
4	5	
84,356	6,354	
812,467	8,527,913	
39,572	1,495	
28,957	605,781	
53,604	9,826	
76,189	43,250	
305,296	936,704	
48,021	10,542	
91,730	2,178	
40,513	7,268,039	

6	7	8	9	10
7,352,147	60,432	65,823	54,328	789,853
107,456	4,563	97,610	95,186	7,204
6,980	1,490	821,394	53,760	5,301,968
9,761	3,718	13,589	35,047	9,476
984,632	8,107,259	48,051	602,431	1,597
7,048	8,105	50,972	21,793	436,021
3,728,495	843,976	-305,467	160,945	5,732
3,206	-6,954,327	-76,124	41,872	6,028,314
95,612	-275,831	89,306	79,658	52,189
10,583	-29,076	-42,731	98,204	64,910

11	12	13	14	15
21,837	728,159	7,291	861,923	5,187
18,690	6,915,043	3,719,485	93,406	4,652
234,576	4,106	-2,654,108	72,035	10,849
107,953	2,870	560,843	87,541	4,609,375
83,524	1,382	1,364	70,892	172,406
72,065	35,294	3,042	-59,614	3,560
90,258	8,260,765	2,457	15,267	928,136
42,691	308,647	-78,629	-406,958	2,891,357
39,408	59,438	-901,736	-34,782	7,689
16,749	7,291	85,910	47,310	32,014

413,488	13,842,574	2,991,906	1,580,705	17,412,082
12,305,920	1,770,309	762,423	1,243,224	12,697,264
727,751	16,322,995	745,919	747,020	8,665,225

分

秒

点

1	2	3	4	5
904,567	7,198,462	15,049	5,786	612,594
85,179	-450,219	9,436	507,218	80,416
51,742	5,748	7,519	3,794,851	39,057
-67,310	6,853	428,603	2,861,047	23,478
56,923	2,576	4,125	43,620	508,369
-813,609	-37,901	270,351	1,903	64,801
25,813	85,364	36,780	50,769	41,735
70,284	-2,569,038	5,649,872	9,125	76,982
43,026	904,187	2,968	4,386	63,270
-62,498	3,210	9,803,157	972,431	95,127

6	7	8	9	10
308,529	35,809	7,930	29,487	74,296
2,064	89,731	12,486	504,361	19,348
14,879	-24,169	590,728	493,016	62,135
7,465	801,237	9,374	8,629	19,853
3,517	76,195	4,162	6,592	58,264
7,890,242	-60,948	43,651	57,348	86,907
-6,129,308	97,423	2,461,805	4,785,260	430,761
-651,290	76,512	7,692,518	2,108	25,480
5,683	63,054	205,837	1,734	107,395
-47,136	-458,270	8,093	6,015,973	43,072

11	12	13	14	15
4,158	2,870	61,093	3,650,489	93,245
7,345	73,015	85,749	4,953	41,790
79,613	5,624,798	20,193	51,074	57,826
1,520	-36,249	-71,465	1,286,735	102,567
1,306,987	2,108	604,259	9,206	64,985
25,701	701,934	97,481	5,387	75,318
2,698,473	-2,589,761	-259,870	9,812	89,623
3,296	8,693	17,306	408,621	30,471
540,862	5,436	25,638	971,264	916,027
468,039	-450,129	-83,524	17,320	38,104

294,117	5,149,242	16,227,860	8,251,136	1,605,829
1,404,645	696,574	11,036,584	11,904,508	927,511
5,135,994	3,342,715	496,860	6,414,861	1,509,956

分	秒	点
1	2	3
492,673	45,069	630,471
7,302	602,731	-87,932
1,283,569	38,627	9,687
6,957	97,548	95,826
51,348	-80,476	6,048
9,710	46,915	9,504,513
706,284	-79,824	-3,728,945
9,512,047	93,152	1,720
40,836	-582,310	-912,504
9,185	21,903	3,162
4	5	
23,457	17,984	
305,276	5,270	
30,845	7,163	
16,389	5,039	
67,520	9,678,401	
98,062	102,935	
73,941	653,248	
169,208	9,816	
47,195	40,627	
81,624	3,864,752	

6	7	8	9	10
92,571	1,836	3,514	80,412	80,325
27,685	5,307	6,912,487	96,253	3,076
39,147	4,130,529	5,140	105,964	6,528,491
15,436	13,682	-174,069	98,046	1,754
471,063	9,021	-2,403,796	46,721	632,509
-48,250	2,408,165	280,943	57,639	406,198
-209,816	1,784	6,307	81,370	7,210
82,904	358,970	75,128	35,748	3,195,487
54,397	97,456	8,659	172,395	64,832
-30,768	724,698	-27,835	29,801	9,764

11	12	13	14	15
54,298	890,127	42,351	9,462,850	61,574
76,135	2,574	973,268	74,593	934,260
19,860	6,927,380	19,845	2,485	9,183
807,641	78,461	67,103	836,219	5,290,647
95,374	6,843	49,671	-45,078	48,506
12,046	2,759	503,289	-610,927	7,315
-60,782	9,043	36,720	9,812	608,932
-236,507	14,805	84,017	7,304	7,413,098
-43,298	3,605,198	58,462	3,146	1,752
21,953	519,632	80,594	-2,507,361	6,821

12,119,911	203,335	5,522,046	913,517	14,385,235
494,369	7,751,448	4,686,478	804,349	10,929,646
746,720	12,056,822	1,915,320	7,233,043	14,382,088

分

秒

点

1	2	3	4	5
84,591	30,872	38,921	21,739	6,350
96,043	9,734	821,645	-18,205	7,468
607,918	5,046	4,965,710	605,471	4,396
25,769	4,127	4,268	94,380	6,783,245
61,873	8,473,261	783,059	31,864	9,578
70,234	61,589	1,406,873	-419,756	-46,109
134,506	912,350	2,506	40,532	-138,972
79,428	9,507,628	3,127	-79,628	502,183
23,185	6,835	7,394	82,047	95,021
52,610	142,903	90,582	63,591	-6,250,714

6	7	8	9	10
7,865	9,538	620,985	4,695,237	72,360
350,916	5,162	74,269	63,501	894,107
31,290	40,719	-85,307	7,940	57,298
9,041	3,520	17,240	8,179	28,739
6,435	4,932,876	63,914	1,739,286	76,543
4,193,852	608,293	-31,748	4,052	63,471
-1,978,324	8,759,641	86,321	6,825	95,834
9,478	417,059	72,853	540,793	80,412
-25,607	26,835	-258,039	302,618	18,256
-706,582	4,107	45,196	71,384	169,035

11	12	13	14	15
6,074	91,065	63,927	6,908,257	80,671
7,102	209,176	-10,465	-230,984	8,749
1,379,428	54,917	42,180	5,610	1,526
5,647	82,401	407,391	-49,102	4,095
51,893	56,794	-56,873	6,841	8,697,352
642,930	48,639	-394,208	532,719	52,930
804,359	20,386	38,572	-1,873,625	403,187
6,137,985	75,123	81,029	7,436	7,841
60,712	538,649	69,154	14,398	725,963
2,568	83,270	27,695	5,073	6,241,309

1,236,157	19,154,345	8,124,085	422,035	972,446
1,898,364	14,807,750	605,684	7,439,815	1,556,055
9,098,698	1,260,420	268,402	5,326,623	16,223,623

分

秒

点

1	2	3	4	5
157,394	184,952	60,491	1,837	9,814
19,862	7,063	24,650	7,523,619	7,230,958
26,470	4,861,329	502,738	805,946	702,391
92,058	27,195	-35,289	1,384	4,956,132
74,135	705,381	73,062	2,795	5,780
65,341	5,390,476	98,174	-167,203	7,436
78,405	9,218	81,326	70,461	92,647
12,689	6,704	-46,905	-6,349,175	8,201
607,532	43,571	89,713	-84,029	62,075
80,923	8,620	-314,587	8,250	813,546

6	7	8	9	10
6,314	5,817	36,528	47,583	601,489
92,038	742,536	28,079	5,432	96,753
5,820	327,690	83,546	6,480,219	-42,365
951,482	95,801	45,931	832,967	94,108
7,104,635	4,263	97,314	198,074	73,241
3,782	1,320,458	62,708	7,356	-57,612
-540,291	4,079	51,297	94,501	-369,870
7,946	16,783	310,465	1,625	15,027
-4,379,165	9,083,125	104,682	3,160	48,735
-68,207	6,984	69,710	2,609,748	80,926

11	12	13	14	15
79,835	67,098	17,259	284,750	2,173
753,061	1,407	906,543	-58,613	1,927
61,308	9,685,321	73,082	9,806,427	2,308
80,254	563,189	-51,940	2,109	627,849
38,496	27,965	32,407	5,934	4,538,691
92,647	930,254	80,325	1,296	1,520
26,173	4,876	-69,812	-329,871	846,059
204,719	6,352	18,674	1,543	20,916
15,420	8,140	94,761	-4,563,027	73,465
36,589	2,401,735	-526,438	70,168	3,415,786

1,214,809	11,244,509	533,373	1,813,885	13,888,980
3,184,354	11,607,536	890,260	10,280,665	540,432
1,388,502	13,696,337	574,861	5,220,716	9,530,694

分	秒	点		
1	2	3	4	5
98,541	315,097	8,591,704	2,759	2,370,865
43,817	57,869	4,857	1,635,872	3,658
59,673	82,130	5,436	971,603	9,104
28,034	-34,578	-12,093	3,069	596,412
91,820	43,802	38,269	3,051,947	41,927
106,589	-84,729	-610,578	46,520	8,270
25,103	-206,175	349,120	8,276	437,086
632,475	91,256	6,952	784,361	4,026,531
76,254	65,984	7,541	20,894	8,349
10,796	30,461	-7,103,682	4,185	65,791

6	7	8	9	10
4,573	507,642	683,794	81,379	2,370
9,610,328	2,365	96,081	35,817	61,798
347,895	8,321,096	10,873	806,253	170,925
9,742	90,132	-41,260	27,409	4,752
65,904	5,799	75,102	49,762	3,819
6,182	9,540	52,463	13,986	6,501
-85,460	3,874	-207,549	270,695	245,068
-7,293,051	5,274,581	-64,837	14,530	8,906,534
-107,639	138,967	36,958	28,645	2,493,186
1,287	16,408	29,315	52,014	17,493

11	12	13	14	15
94,582	19,846	85,091	8,426,035	8,671,450
903,475	4,205	37,184	-71,293	503,897
20,746	8,305,479	14,759	5,867	4,639,175
57,361	58,123	76,328	-2,653,149	812,703
98,012	6,791	24,835	132,568	26,834
-71,658	5,190,362	62,570	7,621	4,965
-36,904	241,953	391,206	80,354	5,329
42,531	7,630	38,167	9,706	6,032
-713,698	762,548	45,692	-408,971	90,241
49,820	8,079	490,317	4,290	7,186

1,173,102	361,117	1,277,526	6,529,486	7,567,993
2,559,761	14,370,404	670,940	1,380,490	11,912,446
444,267	14,605,016	1,266,149	5,533,028	14,767,812

分

秒

点

1	2	3	4	5
659,317	28,304	85,014	9,623	6,804,521
6,913,478	57,231	58,740	1,587,432	9,840
2,705,869	82,719	96,327	4,061	5,913
8,132	391,586	49,562	5,748	71,582
5,290	-24,765	501,673	826,409	190,637
7,546	43,076	72,839	53,910	-528,496
20,654	76,820	10,682	7,208,394	7,639
1,843	63,941	73,196	7,168	-1,268,073
32,905	-209,517	87,254	43,956	5,704
274,081	-50,498	234,901	310,275	-92,345

6	7	8	9	10
1,967	7,261	61,042	905,217	706,158
5,479	34,170	5,320	53,086	72,869
24,816	5,026	316,789	79,821	65,924
8,245,301	9,348	1,823,978	46,795	-53,791
769,180	28,937	3,907,152	70,532	41,935
-307,245	5,314	570,869	17,908	85,046
2,593	5,709,486	4,395	424,160	-40,213
-1,098,647	542,602	2,406	38,649	58,602
6,734	3,876,591	35,624	85,321	-213,479
-32,058	980,713	8,417	61,473	37,980

11	12	13	14	15
5,013	601,725	3,725,196	207,345	1,863
9,450	78,513	2,938	45,687	4,982
5,178,962	-25,194	8,014	81,062	67,219
603,748	-79,351	4,805	64,958	301,597
2,163	63,089	603,712	12,593	82,364
7,298	90,471	72,459	63,809	1,935,478
24,609	84,602	6,520	479,210	9,602
-410,857	13,260	49,683	98,173	3,045
-36,529	46,938	4,563,178	81,724	476,530
-1,568,374	-532,487	910,735	90,536	8,620,175

10,629,115	458,897	1,270,188	10,056,976	5,206,922
7,618,120	11,199,448	6,735,992	1,782,962	761,031
3,815,483	341,566	9,947,240	1,225,097	11,502,855