

nscl -predict delta A,B,C from OPl-JMS 200, 287-89 (200Thu Sep 23  
 17:59:22 2004  
 LINES REQUESTED= 3847 NUMBER OF PARAMETERS= 27 NUMBER OF ITERATIONS= 3  
 MARQUARDT PARAMETER =0.0000E+000 max (OBS-CALC)/ERROR =1.0000E+006

		PARAMETERS - A.PRIORI ERROR			
1	1	10000	4.1624719489558E+004	1.000000E+018	A
2	2	20000	3.9974064439906E+003	1.000000E+018	B
3	3	30000	3.6410582723152E+003	1.000000E+018	C
4	4	200	-2.5018716995116E-003	1.000000E+018	
-DJ					
5	5	1100	3.8844282181946E-002	1.000000E+018	
-DJK					
6	6	2000	-1.6547397961634E+000	1.000000E+018	
-DK					
7	7	40100	-3.3728211238476E-004	1.000000E+018	
-delj					
8	8	41000	-1.8390292886417E-002	1.000000E+018	
-delk					
9	9	300	6.9779965503331E-010	1.000000E-018	HJ
10	10	1200	4.7179543392027E-008	1.000000E+018	
HJK					
11	11	2100	-1.0866733024007E-005	1.000000E+018	
HKJ					
12	12	3000	2.9963938320014E-004	1.000000E+018	HK
13	13	4000	-5.6115838887550E-008	1.000000E-018	
-LK					
14	14	11	3.9739665707984E+007	1.000000E+018	E
15	15	10011	4.1304876380965E+004	1.000000E+018	A
16	16	20011	3.9965221777781E+003	1.000000E+018	B
17	17	30011	3.6380061509315E+003	1.000000E+018	C
18	18	211	-2.5115394731190E-003	1.000000E+018	
-DJ					
19	19	1111	3.9118273578787E-002	1.000000E+018	
-DJK					
20	20	2011	-1.6380214436456E+000	1.000000E+018	
-DK					
21	21	40111	-3.4139623766636E-004	1.000000E+018	
-delj					
22	22	41011	-1.8321542460778E-002	1.000000E+018	
-delk					
23	23	311	6.9779965503331E-010	1.000000E-037	HJ
24	24	1211	4.6339723869282E-008	1.000000E+018	
HJK					
25	25	2111	-1.0847286236543E-005	1.000000E+018	
HKJ					
26	26	3011	2.9675390372506E-004	1.000000E+018	HK
27	27	4011	-5.6115838887550E-008	1.000000E-037	

27 parameters read, 27 independent parameters

ENERGY SORT OF WANG SUB-BLOCKS

PROLATE ROTOR

V KMIN KMAX ESYMWT SPINS

0	0	95	-1
1	0	95	-1
2	0	95	-1

BLOCK - WT - SYM - V - TSP - N - other quanta (rel. to F=0 )

1	1	x	0	0
2	1	c	0	0
3	1	b	0	0
4	1	a	0	0
5	1	x	1	0
6	1	c	1	0
7	1	b	1	0
8	1	a	1	0
9	1	x	2	0

10	1	c	2	0
11	1	b	2	0
12	1	a	2	0

Maximum Dimension for Hamiltonian = 48

DIFF.	EXP.ERR.	EST.ERR.	AVG.	CALC.FREQ.	EXP.FREQ. - CALC.FREQ. -	DIFF.	WT.			
1:	2	1	1	0	2	0	2	0	38340.96000	38340.98281
-0.02281		0.10000	0.00000							
2:	3	1	2	0	3	0	3	0	38883.77000	38884.08189
-0.31189		0.10000	0.00000							
3:	4	1	3	0	4	0	4	0	39617.16000	39616.95488
0.20512		0.10000	0.00000							
4:	5	1	4	0	5	0	5	0	40546.83000	40547.03937
-0.20937		0.10000	0.00000							
5:	6	1	5	0	6	0	6	0	41683.50000	41683.54600
-0.04600		0.10000	0.00000							
6:	7	1	6	0	7	0	7	0	43037.70000	43037.37313
0.32687		0.10000	0.00000							
7:	8	1	7	0	8	0	8	0	44620.90000	44620.97784
-0.07784		0.10000	0.00000							
8:	1	1	1	0	0	0	0	0	45264.20000	45264.22911
-0.02911		0.10000	0.00000							
9:	2	1	2	0	1	0	1	0	52546.40000	52546.51529
-0.11529		0.10000	0.00000							
10:	3	1	3	0	2	0	2	0	59651.80000	59651.59853
0.20147		0.10000	0.00000							
11:	1	1	1	0	2	0	2	0	22349.70000	22351.44238
-1.74238		99.90000	0.00000							
12:	15	7	9	1	14	6	8	0	1345.1981100	1345.1981481
-0.0000381		-0.0004000	0.0000000							
13:	16	7	10	1	15	6	9	0	1345.4511800	1345.4511143
0.0000657		-0.0004000	0.0000000							
14:	17	7	11	1	16	6	10	0	1345.7038700	1345.7039053
-0.0000353		-0.0004000	0.0000000							
15:	19	7	13	1	18	6	12	0	1346.2090700	1346.2089211
0.0001489		-0.0004000	0.0000000							
16:	21	7	15	1	20	6	14	0	1346.7134400	1346.7131071
0.0003329		-0.0004000	0.0000000							
17:	22	7	16	1	21	6	15	0	1346.9646500	1346.9648586
-0.0002086		-0.0004000	0.0000000							
18:	23	7	17	1	22	6	16	0	1347.2161500	1347.2163650
-0.0002150		-0.0004000	0.0000000							
19:	25	7	19	1	24	6	18	0	1347.7188600	1347.7185865
0.0002735		-0.0004000	0.0000000							
20:	26	7	20	1	25	6	19	0	1347.9695300	1347.9692720
0.0002580		-0.0004000	0.0000000							
21:	29	7	23	1	28	6	22	0	1348.7198600	1348.7194358
0.0004242		-0.0004000	0.0000000							
22:	30	7	24	1	29	6	23	0	1348.9695800	1348.9688023
0.0007777		-0.0004000	0.0000000							
23:	31	7	25	1	30	6	24	0	1349.2182500	1349.2177942
0.0004558		-0.0004000	0.0000000							
24:	32	7	26	1	31	6	25	0	1349.4660100	1349.4663923
-0.0003823		-0.0004000	0.0000000							
25:	33	7	27	1	32	6	26	0	1349.7150700	1349.7145763
0.0004937		-0.0004000	0.0000000							
26:	35	7	29	1	34	6	28	0	1350.2093900	1350.2096167
-0.0002267		-0.0004000	0.0000000							
27:	36	7	30	1	35	6	29	0	1350.4556700	1350.4564281
-0.0007581		-0.0004000	0.0000000							
28:	37	7	31	1	36	6	30	0	1350.7026200	1350.7027353
-0.0001153		-0.0004000	0.0000000							
29:	38	7	32	1	37	6	31	0	1350.9480200	1350.9485128
-0.0004928		-0.0004000	0.0000000							
30:	39	7	33	1	38	6	32	0	1351.1939300	1351.1937342

0.0001958	-0.0004000	0.0000000		
31: 15	7	8	1	14 6 9 0
1345.1981100			1345.1981481	
-0.0000381	-0.0004000	0.0000000		
32: 16	7	9	1	15 6 10 0
1345.4511800			1345.4511143	
0.0000657	-0.0004000	0.0000000		
33: 17	7	10	1	16 6 11 0
1345.7038700			1345.7039054	
-0.0000354	-0.0004000	0.0000000		
34: 19	7	12	1	18 6 13 0
1346.2090700			1346.2089212	
0.0001488	-0.0004000	0.0000000		
35: 21	7	14	1	20 6 15 0
1346.7134400			1346.7131072	
0.0003328	-0.0004000	0.0000000		
36: 22	7	15	1	21 6 16 0
1346.9646500			1346.9648588	
-0.0002088	-0.0004000	0.0000000		
37: 23	7	16	1	22 6 17 0
1347.2161500			1347.2163654	
-0.0002154	-0.0004000	0.0000000		
38: 25	7	18	1	24 6 19 0
1347.7188600			1347.7185877	
0.0002723	-0.0004000	0.0000000		
39: 26	7	19	1	25 6 20 0
1347.9695300			1347.9692740	
0.0002560	-0.0004000	0.0000000		
40: 29	7	22	1	28 6 23 0
1348.7198600			1348.7194434	
0.0004166	-0.0004000	0.0000000		
41: 30	7	23	1	29 6 24 0
1348.9695800			1348.9688138	
0.0007662	-0.0004000	0.0000000		
42: 31	7	24	1	30 6 25 0
1349.2182500			1349.2178115	
0.0004385	-0.0004000	0.0000000		
43: 32	7	25	1	31 6 26 0
1349.4660100			1349.4664179	
-0.0004079	-0.0004000	0.0000000		
44: 33	7	26	1	32 6 27 0
1349.7150700			1349.7146136	
0.0004564	-0.0004000	0.0000000		
45: 35	7	28	1	34 6 29 0
1350.2093900			1350.2096934	
-0.0003034	-0.0004000	0.0000000		
46: 36	7	29	1	35 6 30 0
1350.4556700			1350.4565363	
-0.0008663	-0.0004000	0.0000000		
47: 37	7	30	1	36 6 31 0
1350.7026200			1350.7028864	
-0.0002664	-0.0004000	0.0000000		
48: 38	7	31	1	37 6 32 0
1350.9480200			1350.9487220	
-0.0007020	-0.0004000	0.0000000		
49: 39	7	32	1	38 6 33 0
1351.1939300			1351.1940210	
-0.0000910	-0.0004000	0.0000000		
50: 12	8	4	1	11 7 5 0
1346.7715200			1346.7712438	
0.0002762	-0.0004000	0.0000000		
51: 13	8	5	1	12 7 6 0
1347.0255200			1347.0248101	
0.0007099	-0.0004000	0.0000000		
52: 14	8	6	1	13 7 7 0
1347.2785100			1347.2782450	
0.0002650	-0.0004000	0.0000000		
53: 15	8	7	1	14 7 8 0
1347.5318200			1347.5315427	
0.0002773	-0.0004000	0.0000000		
54: 16	8	8	1	15 7 9 0
1347.7854100			1347.7846970	
0.0007130	-0.0004000	0.0000000		
55: 17	8	9	1	16 7 10 0
1348.0381900			1348.0377014	
0.0004886	-0.0004000	0.0000000		
56: 18	8	10	1	17 7 11 0
1348.2908600			1348.2905489	
0.0003111	-0.0004000	0.0000000		
57: 19	8	11	1	18 7 12 0
1348.5426300			1348.5432321	
-0.0006021	-0.0004000	0.0000000		
58: 20	8	12	1	19 7 13 0
1348.7955500			1348.7957435	
-0.0001935	-0.0004000	0.0000000		
59: 23	8	15	1	22 7 16 0
1349.5524500			1349.5521629	
0.0002871	-0.0004000	0.0000000		
60: 24	8	16	1	23 7 17 0
1349.8034400			1349.8039015	
-0.0004615	-0.0004000	0.0000000		
61: 25	8	17	1	24 7 18 0
1350.0556400			1350.0554236	
0.0002164	-0.0004000	0.0000000		
62: 26	8	18	1	25 7 19 0
1350.3063600			1350.3067193	
-0.0003593	-0.0004000	0.0000000		

63: 28 8 20 1 27 7 21 0	1350.8088900	1350.8085890
0.0003010 -0.0004000 0.0000000		
64: 29 8 21 1 28 7 22 0	1351.0593600	1351.0591409
0.0002191 -0.0004000 0.0000000		
65: 31 8 23 1 30 7 24 0	1351.5594700	1351.5594206
0.0000494 -0.0004000 0.0000000		
66: 36 8 28 1 35 7 29 0	1352.8048000	1352.8047234
0.0000766 -0.0004000 0.0000000		
67: 39 8 31 1 38 7 32 0	1353.5483000	1353.5476550
0.0006450 -0.0004000 0.0000000		
68: 12 8 5 1 11 7 4 0	1346.7715200	1346.7712438
0.0002762 -0.0004000 0.0000000		
69: 13 8 6 1 12 7 5 0	1347.0255200	1347.0248101
0.0007099 -0.0004000 0.0000000		
70: 14 8 7 1 13 7 6 0	1347.2785100	1347.2782450
0.0002650 -0.0004000 0.0000000		
71: 15 8 8 1 14 7 7 0	1347.5318200	1347.5315427
0.0002773 -0.0004000 0.0000000		
72: 16 8 9 1 15 7 8 0	1347.7854100	1347.7846970
0.0007130 -0.0004000 0.0000000		
73: 17 8 10 1 16 7 9 0	1348.0381900	1348.0377014
0.0004886 -0.0004000 0.0000000		
74: 18 8 11 1 17 7 10 0	1348.2908600	1348.2905489
0.0003111 -0.0004000 0.0000000		
75: 19 8 12 1 18 7 11 0	1348.5426300	1348.5432321
-0.0006021 -0.0004000 0.0000000		
76: 20 8 13 1 19 7 12 0	1348.7955500	1348.7957435
-0.0001935 -0.0004000 0.0000000		
77: 23 8 16 1 22 7 15 0	1349.5524500	1349.5521629
0.0002871 -0.0004000 0.0000000		
78: 24 8 17 1 23 7 16 0	1349.8034400	1349.8039014
-0.0004614 -0.0004000 0.0000000		
79: 25 8 18 1 24 7 17 0	1350.0556400	1350.0554236
0.0002164 -0.0004000 0.0000000		
80: 26 8 19 1 25 7 18 0	1350.3063600	1350.3067193
-0.0003593 -0.0004000 0.0000000		
81: 28 8 21 1 27 7 20 0	1350.8088900	1350.8085889
0.0003011 -0.0004000 0.0000000		
82: 29 8 22 1 28 7 21 0	1351.0593600	1351.0591408
0.0002192 -0.0004000 0.0000000		
83: 31 8 24 1 30 7 23 0	1351.5594700	1351.5594204
0.0000496 -0.0004000 0.0000000		
84: 36 8 29 1 35 7 28 0	1352.8048000	1352.8047212
0.0000788 -0.0004000 0.0000000		
85: 39 8 32 1 38 7 31 0	1353.5483000	1353.5476483
0.0006517 -0.0004000 0.0000000		
86: 9 9 0 1 8 8 1 0	1348.3119200	1348.3122613
-0.0003413 -0.0004000 0.0000000		
87: 10 9 1 1 9 8 2 0	1348.5661300	1348.5662803
-0.0001503 -0.0004000 0.0000000		
88: 11 9 2 1 10 8 3 0	1348.8198900	1348.8201906
-0.0003006 -0.0004000 0.0000000		
89: 14 9 5 1 13 8 6 0	1349.5812500	1349.5812319
0.0000181 -0.0004000 0.0000000		
90: 16 9 7 1 15 8 8 0	1350.0881200	1350.0879759
0.0001441 -0.0004000 0.0000000		
91: 20 9 11 1 19 8 12 0	1351.1007300	1351.0998086
0.0009214 -0.0004000 0.0000000		
92: 22 9 13 1 21 8 14 0	1351.6048800	1351.6048077
0.0000723 -0.0004000 0.0000000		
93: 23 9 14 1 22 8 15 0	1351.8567500	1351.8570563
-0.0003063 -0.0004000 0.0000000		
94: 24 9 15 1 23 8 16 0	1352.1086400	1352.1091286
-0.0004886 -0.0004000 0.0000000		
95: 25 9 16 1 24 8 17 0	1352.3606800	1352.3610176

-0.0003376	-0.0004000	0.0000000		
96: 27	9 18 1 26 8 19 0		1352.8643500	1352.8642163
0.0001337	-0.0004000	0.0000000		
97: 29	9 20 1 28 8 21 0		1353.3669000	1353.3665906
0.0003094	-0.0004000	0.0000000		
98: 30	9 21 1 29 8 22 0		1353.6182800	1353.6174482
0.0008318	-0.0004000	0.0000000		
99: 32	9 23 1 31 8 24 0		1354.1183700	1354.1184615
-0.0000915	-0.0004000	0.0000000		
100: 34	9 25 1 33 8 26 0		1354.6188000	1354.6184782
0.0003218	-0.0004000	0.0000000		
101: 35	9 26 1 34 8 27 0		1354.8678400	1354.8680892
-0.0002492	-0.0004000	0.0000000		
102: 37	9 28 1 36 8 29 0		1355.3668100	1355.3664668
0.0003432	-0.0004000	0.0000000		
103: 38	9 29 1 37 8 30 0		1355.6145100	1355.6152129
-0.0007029	-0.0004000	0.0000000		
104: 40	9 31 1 39 8 32 0		1356.1115200	1356.1117657
-0.0002457	-0.0004000	0.0000000		
105: 41	9 32 1 40 8 33 0		1356.3598100	1356.3595502
0.0002598	-0.0004000	0.0000000		
106: 43	9 34 1 42 8 35 0		1356.8540800	1356.8540780
0.0000020	-0.0004000	0.0000000		
107: 9	9 1 1 8 8 0 0		1348.3119200	1348.3122613
-0.0003413	-0.0004000	0.0000000		
108: 10	9 2 1 9 8 1 0		1348.5661300	1348.5662803
-0.0001503	-0.0004000	0.0000000		
109: 11	9 3 1 10 8 2 0		1348.8198900	1348.8201906
-0.0003006	-0.0004000	0.0000000		
110: 14	9 6 1 13 8 5 0		1349.5812500	1349.5812319
0.0000181	-0.0004000	0.0000000		
111: 16	9 8 1 15 8 7 0		1350.0881200	1350.0879759
0.0001441	-0.0004000	0.0000000		
112: 20	9 12 1 19 8 11 0		1351.1007300	1351.0998086
0.0009214	-0.0004000	0.0000000		
113: 22	9 14 1 21 8 13 0		1351.6048800	1351.6048077
0.0000723	-0.0004000	0.0000000		
114: 23	9 15 1 22 8 14 0		1351.8567500	1351.8570563
-0.0003063	-0.0004000	0.0000000		
115: 24	9 16 1 23 8 15 0		1352.1086400	1352.1091286
-0.0004886	-0.0004000	0.0000000		
116: 25	9 17 1 24 8 16 0		1352.3606800	1352.3610176
-0.0003376	-0.0004000	0.0000000		
117: 27	9 19 1 26 8 18 0		1352.8643500	1352.8642162
0.0001338	-0.0004000	0.0000000		
118: 29	9 21 1 28 8 20 0		1353.3669000	1353.3665906
0.0003094	-0.0004000	0.0000000		
119: 30	9 22 1 29 8 21 0		1353.6182800	1353.6174482
0.0008318	-0.0004000	0.0000000		
120: 32	9 24 1 31 8 23 0		1354.1183700	1354.1184615
-0.0000915	-0.0004000	0.0000000		
121: 34	9 26 1 33 8 25 0		1354.6188000	1354.6184782
0.0003218	-0.0004000	0.0000000		
122: 35	9 27 1 34 8 26 0		1354.8678400	1354.8680892
-0.0002492	-0.0004000	0.0000000		
123: 37	9 29 1 36 8 28 0		1355.3668100	1355.3664668
0.0003432	-0.0004000	0.0000000		
124: 38	9 30 1 37 8 29 0		1355.6145100	1355.6152128
-0.0007028	-0.0004000	0.0000000		
125: 40	9 32 1 39 8 31 0		1356.1115200	1356.1117655
-0.0002455	-0.0004000	0.0000000		
126: 41	9 33 1 40 8 32 0		1356.3598100	1356.3595500
0.0002600	-0.0004000	0.0000000		
127: 43	9 35 1 42 8 34 0		1356.8540800	1356.8540774
0.0000026	-0.0004000	0.0000000		

128: 11 10 1 1 10 9 2 0	1351.0915000	1351.0916404
-0.0001404 -0.0004000 0.0000000		
129: 12 10 2 1 11 9 3 0	1351.3454900	1351.3455417
-0.0000517 -0.0004000 0.0000000		
130: 14 10 4 1 13 9 5 0	1351.8527100	1351.8530147
-0.0003047 -0.0004000 0.0000000		
131: 20 10 10 1 19 9 11 0	1353.3717600	1353.3725282
-0.0007682 -0.0004000 0.0000000		
132: 21 10 11 1 20 9 12 0	1353.6254800	1353.6253124
0.0001676 -0.0004000 0.0000000		
133: 22 10 12 1 21 9 13 0	1353.8778400	1353.8779505
-0.0001105 -0.0004000 0.0000000		
134: 24 10 14 1 23 9 15 0	1354.3828400	1354.3827676
0.0000724 -0.0004000 0.0000000		
135: 29 10 19 1 28 9 20 0	1355.6420000	1355.6418720
0.0001280 -0.0004000 0.0000000		
136: 30 10 20 1 29 9 21 0	1355.8932700	1355.8931414
0.0001286 -0.0004000 0.0000000		
137: 31 10 21 1 30 9 22 0	1356.1441600	1356.1442119
-0.0000519 -0.0004000 0.0000000		
138: 32 10 22 1 31 9 23 0	1356.3956300	1356.3950770
0.0005530 -0.0004000 0.0000000		
139: 33 10 23 1 32 9 24 0	1356.6462900	1356.6457295
0.0005605 -0.0004000 0.0000000		
140: 37 10 27 1 36 9 28 0	1357.6457600	1357.6460696
-0.0003096 -0.0004000 0.0000000		
141: 39 10 29 1 38 9 30 0	1358.1450600	1358.1447708
0.0002892 -0.0004000 0.0000000		
142: 11 10 2 1 10 9 1 0	1351.0915000	1351.0916404
-0.0001404 -0.0004000 0.0000000		
143: 12 10 3 1 11 9 2 0	1351.3454900	1351.3455417
-0.0000517 -0.0004000 0.0000000		
144: 14 10 5 1 13 9 4 0	1351.8527100	1351.8530147
-0.0003047 -0.0004000 0.0000000		
145: 20 10 11 1 19 9 10 0	1353.3717600	1353.3725282
-0.0007682 -0.0004000 0.0000000		
146: 21 10 12 1 20 9 11 0	1353.6254800	1353.6253124
0.0001676 -0.0004000 0.0000000		
147: 22 10 13 1 21 9 12 0	1353.8778400	1353.8779505
-0.0001105 -0.0004000 0.0000000		
148: 24 10 15 1 23 9 14 0	1354.3828400	1354.3827676
0.0000724 -0.0004000 0.0000000		
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169:	19	12	7	1 18 11 8 0
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177:	37	12	25	1 36 11 26 0
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322: 9	0 9 1 10 0 10 0		1323.0322800	1323.0321719
0.0001081	-0.0004000	0.0000000		

323:	8	0	8	1	9	0	9	0	1323.2844500	1323.2845756
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324:	7	0	7	1	8	0	8	0	1323.5371700	1323.5375170
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325:	6	0	6	1	7	0	7	0	1323.7908500	1323.7909418
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326:	4	0	4	1	5	0	5	0	1324.2991000	1324.2989848
0.0001152	-0.0004000	0.0000000								
327:	3	0	3	1	4	0	4	0	1324.5531400	1324.5534606
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328:	3	0	3	1	2	0	2	0	1326.3353600	1326.3357974
-0.0004374	-0.0004000	0.0000000								
329:	4	0	4	1	3	0	3	0	1326.5898900	1326.5895305
0.0003595	-0.0004000	0.0000000								
330:	5	0	5	1	4	0	4	0	1326.8424700	1326.8427721
-0.0003021	-0.0004000	0.0000000								
331:	6	0	6	1	5	0	5	0	1327.0958900	1327.0954291
0.0004609	-0.0004000	0.0000000								
332:	7	0	7	1	6	0	6	0	1327.3471000	1327.3474091
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333:	8	0	8	1	7	0	7	0	1327.5985000	1327.5986215
-0.0001215	-0.0004000	0.0000000								
334:	9	0	9	1	8	0	8	0	1327.8488500	1327.8489791
-0.0001291	-0.0004000	0.0000000								
335:	10	0	10	1	9	0	9	0	1328.0982500	1328.0984013
-0.0001513	-0.0004000	0.0000000								
336:	11	0	11	1	10	0	10	0	1328.3469700	1328.3468160
0.0001540	-0.0004000	0.0000000								
337:	12	0	12	1	11	0	11	0	1328.5940300	1328.5941636
-0.0001336	-0.0004000	0.0000000								
338:	13	0	13	1	12	0	12	0	1328.8405400	1328.8403997
0.0001403	-0.0004000	0.0000000								
339:	14	0	14	1	13	0	13	0	1329.0856100	1329.0854980
0.0001120	-0.0004000	0.0000000								
340:	15	0	15	1	14	0	14	0	1329.3291900	1329.3294529
-0.0002629	-0.0004000	0.0000000								
341:	16	0	16	1	15	0	15	0	1329.5725700	1329.5722802
0.0002898	-0.0004000	0.0000000								
342:	17	0	17	1	16	0	16	0	1329.8141400	1329.8140173
0.0001227	-0.0004000	0.0000000								
343:	18	0	18	1	17	0	17	0	1330.0549600	1330.0547214
0.0002386	-0.0004000	0.0000000								
344:	19	0	19	1	18	0	18	0	1330.2945200	1330.2944661
0.0000539	-0.0004000	0.0000000								
345:	20	0	20	1	19	0	19	0	1330.5328800	1330.5333379
-0.0004579	-0.0004000	0.0000000								
346:	21	0	21	1	20	0	20	0	1330.7717800	1330.7714303
0.0003497	-0.0004000	0.0000000								
347:	22	0	22	1	21	0	21	0	1331.0089200	1331.0088397
0.0000803	-0.0004000	0.0000000								
348:	23	0	23	1	22	0	22	0	1331.2455800	1331.2456600
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349:	24	0	24	1	23	0	23	0	1331.4823600	1331.4819792
0.0003808	-0.0004000	0.0000000								
350:	25	0	25	1	24	0	24	0	1331.7178800	1331.7178762
0.0000038	-0.0004000	0.0000000								
351:	26	0	26	1	25	0	25	0	1331.9540500	1331.9534191
0.0006309	-0.0004000	0.0000000								
352:	27	0	27	1	26	0	26	0	1332.1888700	1332.1886648
0.0002052	-0.0004000	0.0000000								
353:	28	0	28	1	27	0	27	0	1332.4236700	1332.4236586
0.0000114	-0.0004000	0.0000000								
354:	29	0	29	1	28	0	28	0	1332.6581200	1332.6584354
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355:	30	0	30	1	29	0	29	0	1332.8921200	1332.8930204

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356: 31	0 31	1 30	0 30	0
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357: 32	0 32	1 31	0 31	0
			1333.3612200	1333.3616774
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358: 33	0 33	1 32	0 32	0
			1333.5960400	1333.5957650
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359: 34	0 34	1 33	0 33	0
			1333.8298300	1333.8296947
0.0001353	-0.0004000	0.0000000		
360: 35	0 35	1 34	0 34	0
			1334.0634300	1334.0634643
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361: 36	0 36	1 35	0 35	0
			1334.2973100	1334.2970692
0.0002408	-0.0004000	0.0000000		
362: 37	0 37	1 36	0 36	0
			1334.5305400	1334.5305035
0.0000365	-0.0004000	0.0000000		
363: 38	0 38	1 37	0 37	0
			1334.7641800	1334.7637603
0.0004197	-0.0004000	0.0000000		
364: 39	0 39	1 38	0 38	0
			1334.9968900	1334.9968319
0.0000581	-0.0004000	0.0000000		
365: 41	0 41	1 40	0 40	0
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366: 42	0 42	1 41	0 41	0
			1335.6949600	1335.6948584
0.0001016	-0.0004000	0.0000000		
367: 43	0 43	1 42	0 42	0
			1335.9275800	1335.9271127
0.0004673	-0.0004000	0.0000000		
368: 44	0 44	1 43	0 43	0
			1336.1594200	1336.1591447
0.0002753	-0.0004000	0.0000000		
369: 45	0 45	1 44	0 44	0
			1336.3906500	1336.3909478
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370: 52	0 52	1 51	0 51	0
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371: 53	0 53	1 52	0 52	0
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372: 54	0 54	1 53	0 53	0
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373: 55	0 55	1 54	0 54	0
			1338.6948500	1338.6952433
-0.0003933	-0.0004000	0.0000000		
374: 56	0 56	1 55	0 55	0
			1338.9239800	1338.9242090
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375: 57	0 57	1 56	0 56	0
			1339.1529000	1339.1528956
0.0000044	-0.0004000	0.0000000		
376: 58	0 58	1 57	0 57	0
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377: 59	0 59	1 58	0 58	0
			1339.6092600	1339.6094212
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378: 60	0 60	1 59	0 59	0
			1339.8370500	1339.8372553
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379: 61	0 61	1 60	0 60	0
			1340.0648600	1340.0648008
0.0000592	-0.0004000	0.0000000		
380: 62	0 62	1 61	0 61	0
			1340.2920400	1340.2920553
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381: 63	0 63	1 62	0 62	0
			1340.5191800	1340.5190169
0.0001631	-0.0004000	0.0000000		
382: 64	0 64	1 63	0 63	0
			1340.7458400	1340.7456836
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383: 65	0 65	1 64	0 64	0
			1340.9722300	1340.9720534
0.0001766	-0.0004000	0.0000000		
384: 66	0 66	1 65	0 65	0
			1341.1981500	1341.1981245
0.0000255	-0.0004000	0.0000000		
385: 67	0 67	1 66	0 66	0
			1341.4240700	1341.4238951
0.0001749	-0.0004000	0.0000000		
386: 68	0 68	1 67	0 67	0
			1341.6493800	1341.6493634
0.0000166	-0.0004000	0.0000000		
387: 69	0 69	1 68	0 68	0
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388: 70	0 70	1 69	0 69	0	1342.0995000	1342.0993860
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389: 71	0 71	1 70	0 70	0	1342.3240000	1342.3239370
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390: 72	0 72	1 71	0 71	0	1342.5479300	1342.5481788
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391: 73	0 73	1 72	0 72	0	1342.7721700	1342.7721099
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392: 74	0 74	1 73	0 73	0	1342.9955900	1342.9957286
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393: 75	0 75	1 74	0 74	0	1343.2195600	1343.2190332
0.0005268	-0.0004000	0.0000000				
394: 76	0 76	1 75	0 75	0	1343.4421300	1343.4420223
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395: 77	0 77	1 76	0 76	0	1343.6647800	1343.6646941
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396: 78	0 78	1 77	0 77	0	1343.8868800	1343.8870472
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397: 79	0 79	1 78	0 78	0	1344.1090200	1344.1090799
-0.0000599	-0.0004000	0.0000000				
398: 80	0 80	1 79	0 79	0	1344.3307900	1344.3307908
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399: 81	0 81	1 80	0 80	0	1344.5522700	1344.5521781
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400: 82	0 82	1 81	0 81	0	1344.7730700	1344.7732405
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401: 83	0 83	1 82	0 82	0	1344.9938800	1344.9939763
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402: 84	0 84	1 83	0 83	0	1345.2140300	1345.2143840
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403: 85	0 85	1 84	0 84	0	1345.4344100	1345.4344621
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404: 86	0 86	1 85	0 85	0	1345.6542700	1345.6542090
0.0000610	-0.0004000	0.0000000				
405: 87	0 87	1 86	0 86	0	1345.8739500	1345.8736232
0.0003268	-0.0004000	0.0000000				
406: 88	0 88	1 87	0 87	0	1346.0924800	1346.0927031
-0.0002231	-0.0004000	0.0000000				
407: 89	0 89	1 88	0 88	0	1346.3119700	1346.3114474
0.0005226	-0.0004000	0.0000000				
408: 90	0 90	1 89	0 89	0	1346.5288700	1346.5298543
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409: 91	0 91	1 90	0 90	0	1346.7475300	1346.7479224
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410: 88	1 87	1 89	1 88	0	1302.9416600	1302.9417979
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411: 87	1 86	1 88	1 87	0	1303.1971800	1303.1972795
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412: 85	1 84	1 86	1 85	0	1303.7084200	1303.7080003
0.0004197	-0.0004000	0.0000000				
413: 84	1 83	1 85	1 84	0	1303.9627800	1303.9632366
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414: 83	1 82	1 84	1 83	0	1304.2176900	1304.2183882
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415: 82	1 81	1 83	1 82	0	1304.4738200	1304.4734535
0.0003665	-0.0004000	0.0000000				
416: 81	1 80	1 82	1 81	0	1304.7287800	1304.7284310
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417: 80	1 79	1 81	1 80	0	1304.9839900	1304.9833190
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418: 78	1 77	1 79	1 78	0	1305.4930500	1305.4928201
0.0002299	-0.0004000	0.0000000				
419: 77	1 76	1 78	1 77	0	1305.7476800	1305.7474296
0.0002504	-0.0004000	0.0000000				
420: 75	1 74	1 76	1 75	0	1306.2559800	1306.2563576

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421: 73	1 72	1 74	1 73	0
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422: 71	1 70	1 72	1 71	0
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423: 70	1 69	1 71	1 70	0
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424: 69	1 68	1 70	1 69	0
0.0006888	-0.0004000	0.0000000	1307.7813500	1307.7806612
425: 68	1 67	1 69	1 68	0
0.0004652	-0.0004000	0.0000000	1308.0347900	1308.0343248
426: 67	1 66	1 68	1 67	0
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427: 66	1 65	1 67	1 66	0
0.0009655	-0.0004000	0.0000000	1308.5422600	1308.5412945
428: 65	1 64	1 66	1 65	0
0.0011064	-0.0004000	0.0000000	1308.7957000	1308.7945936
429: 59	1 58	1 60	1 59	0
0.0002858	-0.0004000	0.0000000	1310.3118100	1310.3115242
430: 58	1 57	1 59	1 58	0
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431: 57	1 56	1 58	1 57	0
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432: 56	1 55	1 57	1 56	0
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434: 54	1 53	1 55	1 54	0
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435: 53	1 52	1 54	1 53	0
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436: 52	1 51	1 53	1 52	0
0.0002535	-0.0004000	0.0000000	1312.0741100	1312.0738565
437: 50	1 49	1 51	1 50	0
-0.0002737	-0.0004000	0.0000000	1312.5753200	1312.5755937
438: 49	1 48	1 50	1 49	0
0.0001117	-0.0004000	0.0000000	1312.8262400	1312.8261283
439: 48	1 47	1 49	1 48	0
0.0000365	-0.0004000	0.0000000	1313.0764700	1313.0764335
440: 47	1 46	1 48	1 47	0
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441: 46	1 45	1 47	1 46	0
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442: 45	1 44	1 46	1 45	0
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443: 44	1 43	1 45	1 44	0
0.0003413	-0.0004000	0.0000000	1314.0756900	1314.0753487
444: 43	1 42	1 44	1 43	0
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445: 42	1 41	1 43	1 42	0
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446: 41	1 40	1 42	1 41	0
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447: 40	1 39	1 41	1 40	0
0.0001633	-0.0004000	0.0000000	1315.0712300	1315.0710667
448: 37	1 36	1 38	1 37	0
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449: 34	1 33	1 35	1 34	0
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450: 33	1 32	1 34	1 33	0
0.0004774	-0.0004000	0.0000000	1316.8134900	1316.8130126
451: 32	1 31	1 33	1 32	0
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452: 31	1 30	1 32	1 31	0
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453: 30	1 29	1 31	1 30	0	1317.5638100	1317.5637973
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454: 29	1 28	1 30	1 29	0	1317.8158000	1317.8150932
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455: 27	1 26	1 28	1 27	0	1318.3199400	1318.3194779
0.0004621	-0.0004000	0.0000000				
456: 26	1 25	1 27	1 26	0	1318.5729600	1318.5726084
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457: 25	1 24	1 26	1 25	0	1318.8263600	1318.8263743
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458: 24	1 23	1 25	1 24	0	1319.0809900	1319.0807704
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459: 21	1 20	1 22	1 21	0	1319.8474300	1319.8475737
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460: 20	1 19	1 21	1 20	0	1320.1042100	1320.1042949
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461: 19	1 18	1 20	1 19	0	1320.3614900	1320.3615240
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462: 18	1 17	1 19	1 18	0	1320.6195700	1320.6192261
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463: 17	1 16	1 18	1 17	0	1320.8776500	1320.8773656
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464: 15	1 14	1 16	1 15	0	1321.3948300	1321.3948129
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465: 14	1 13	1 15	1 14	0	1321.6540900	1321.6540501
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466: 13	1 12	1 14	1 13	0	1321.9136400	1321.9135840
0.0000560	-0.0004000	0.0000000				
467: 11	1 10	1 12	1 11	0	1322.4333700	1322.4334124
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468: 10	1 9	1 11	1 10	0	1322.6936200	1322.6936450
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469: 9	1 8	1 10	1 9	0	1322.9541000	1322.9540508
0.0000492	-0.0004000	0.0000000				
470: 8	1 7	1 9	1 8	0	1323.2147700	1323.2146020
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471: 7	1 6	1 8	1 7	0	1323.4748900	1323.4752720
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472: 3	1 2	1 2	1 1	0	1326.3436800	1326.3435353
0.0001447	-0.0004000	0.0000000				
473: 4	1 3	1 3	1 2	0	1326.6036400	1326.6037572
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474: 5	1 4	1 4	1 3	0	1326.8638200	1326.8637849
0.0000351	-0.0004000	0.0000000				
475: 6	1 5	1 5	1 4	0	1327.1238100	1327.1235909
0.0002191	-0.0004000	0.0000000				
476: 8	1 7	1 7	1 6	0	1327.6421700	1327.6424205
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477: 9	1 8	1 8	1 7	0	1327.9017200	1327.9013811
0.0003389	-0.0004000	0.0000000				
478: 10	1 9	1 9	1 8	0	1328.1602100	1328.1599934
0.0002166	-0.0004000	0.0000000				
479: 11	1 10	1 10	1 9	0	1328.4185300	1328.4182202
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480: 12	1 11	1 11	1 10	0	1328.6760400	1328.6760220
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481: 13	1 12	1 12	1 11	0	1328.9335400	1328.9333559
0.0001841	-0.0004000	0.0000000				
482: 14	1 13	1 13	1 12	0	1329.1901200	1329.1901764
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483: 15	1 14	1 14	1 13	0	1329.4465900	1329.4464345
0.0001555	-0.0004000	0.0000000				
484: 16	1 15	1 15	1 14	0	1329.7026600	1329.7020778
0.0005822	-0.0004000	0.0000000				
485: 17	1 16	1 16	1 15	0	1329.9571900	1329.9570506



0.0001394	-0.0004000	0.0000000		
486: 18	1 17	1 17	1 16	0
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487: 19	1 18	1 18	1 17	0
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488: 20	1 19	1 19	1 18	0
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489: 22	1 21	1 21	1 20	0
0.0000284	-0.0004000	0.0000000	1331.2197200	1331.2196916
490: 23	1 22	1 22	1 21	0
0.0003080	-0.0004000	0.0000000	1331.4696200	1331.4693120
491: 24	1 23	1 23	1 22	0
0.0000332	-0.0004000	0.0000000	1331.7178400	1331.7178068
492: 25	1 24	1 24	1 23	0
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493: 26	1 25	1 25	1 24	0
0.0001655	-0.0004000	0.0000000	1332.2113400	1332.2111745
494: 27	1 26	1 26	1 25	0
0.0000776	-0.0004000	0.0000000	1332.4560200	1332.4559424
495: 28	1 27	1 27	1 26	0
-0.0003893	-0.0004000	0.0000000	1332.6989900	1332.6993793
496: 29	1 28	1 28	1 27	0
0.0000286	-0.0004000	0.0000000	1332.9414900	1332.9414614
497: 30	1 29	1 29	1 28	0
-0.0000909	-0.0004000	0.0000000	1333.1820900	1333.1821809
498: 31	1 30	1 30	1 29	0
0.0001423	-0.0004000	0.0000000	1333.4216900	1333.4215477
499: 32	1 31	1 31	1 30	0
0.0002395	-0.0004000	0.0000000	1333.6598300	1333.6595905
500: 33	1 32	1 32	1 31	0
-0.0001372	-0.0004000	0.0000000	1333.8962200	1333.8963572
501: 34	1 33	1 33	1 32	0
0.0006665	-0.0004000	0.0000000	1334.1325800	1334.1319135
502: 35	1 34	1 34	1 33	0
0.0001086	-0.0004000	0.0000000	1334.3664500	1334.3663414
503: 36	1 35	1 35	1 34	0
-0.0000655	-0.0004000	0.0000000	1334.5996700	1334.5997355
504: 37	1 36	1 36	1 35	0
0.0002402	-0.0004000	0.0000000	1334.8324400	1334.8321998
505: 38	1 37	1 37	1 36	0
-0.0003129	-0.0004000	0.0000000	1335.0635300	1335.0638429
506: 39	1 38	1 38	1 37	0
0.0000359	-0.0004000	0.0000000	1335.2948100	1335.2947741
507: 40	1 39	1 39	1 38	0
0.0004208	-0.0004000	0.0000000	1335.5255200	1335.5250992
508: 41	1 40	1 40	1 39	0
0.0002029	-0.0004000	0.0000000	1335.7551200	1335.7549171
509: 42	1 41	1 41	1 40	0
0.0002426	-0.0004000	0.0000000	1335.9845600	1335.9843174
510: 43	1 42	1 42	1 41	0
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511: 44	1 43	1 43	1 42	0
0.0003637	-0.0004000	0.0000000	1336.4425300	1336.4421663
512: 45	1 44	1 44	1 43	0
-0.0003452	-0.0004000	0.0000000	1336.6703900	1336.6707352
513: 46	1 45	1 45	1 44	0
-0.0003575	-0.0004000	0.0000000	1336.8987700	1336.8991275
514: 47	1 46	1 46	1 45	0
0.0003154	-0.0004000	0.0000000	1337.1276900	1337.1273746
515: 48	1 47	1 47	1 46	0
0.0001313	-0.0004000	0.0000000	1337.3556300	1337.3554987
516: 49	1 48	1 48	1 47	0
-0.0000436	-0.0004000	0.0000000	1337.5834700	1337.5835136
517: 50	1 49	1 49	1 48	0
0.0001040	-0.0004000	0.0000000	1337.8115300	1337.8114260

518: 51	1 50	1 50	1 49	0	1338.0396400	1338.0392376
0.0004024	-0.0004000	0.0000000				
519: 52	1 51	1 51	1 50	0	1338.2670300	1338.2669451
0.0000849	-0.0004000	0.0000000				
520: 53	1 52	1 52	1 51	0	1338.4946900	1338.4945425
0.0001475	-0.0004000	0.0000000				
521: 54	1 53	1 53	1 52	0	1338.7222700	1338.7220211
0.0002489	-0.0004000	0.0000000				
522: 55	1 54	1 54	1 53	0	1338.9493500	1338.9493705
-0.0000205	-0.0004000	0.0000000				
523: 56	1 55	1 55	1 54	0	1339.1766300	1339.1765795
0.0000505	-0.0004000	0.0000000				
524: 57	1 56	1 56	1 55	0	1339.4036800	1339.4036362
0.0000438	-0.0004000	0.0000000				
525: 58	1 57	1 57	1 56	0	1339.6300500	1339.6305286
-0.0004786	-0.0004000	0.0000000				
526: 59	1 58	1 58	1 57	0	1339.8575700	1339.8572447
0.0003253	-0.0004000	0.0000000				
527: 60	1 59	1 59	1 58	0	1340.0838700	1340.0837730
0.0000970	-0.0004000	0.0000000				
528: 61	1 60	1 60	1 59	0	1340.3100900	1340.3101023
-0.0000123	-0.0004000	0.0000000				
529: 65	1 64	1 64	1 63	0	1341.2129900	1341.2132266
-0.0002366	-0.0004000	0.0000000				
530: 66	1 65	1 65	1 64	0	1341.4386800	1341.4384143
0.0002657	-0.0004000	0.0000000				
531: 67	1 66	1 66	1 65	0	1341.6637600	1341.6633486
0.0004114	-0.0004000	0.0000000				
532: 68	1 67	1 67	1 66	0	1341.8880200	1341.8880226
-0.0000026	-0.0004000	0.0000000				
533: 75	1 74	1 74	1 73	0	1343.4527700	1343.4529708
-0.0002008	-0.0004000	0.0000000				
534: 76	1 75	1 75	1 74	0	1343.6753700	1343.6753680
0.0000020	-0.0004000	0.0000000				
535: 78	1 77	1 77	1 76	0	1344.1189300	1344.1192487
-0.0003187	-0.0004000	0.0000000				
536: 79	1 78	1 78	1 77	0	1344.3404400	1344.3407259
-0.0002859	-0.0004000	0.0000000				
537: 80	1 79	1 79	1 78	0	1344.5613400	1344.5618903
-0.0005503	-0.0004000	0.0000000				
538: 81	1 80	1 80	1 79	0	1344.7824600	1344.7827392
-0.0002792	-0.0004000	0.0000000				
539: 82	1 81	1 81	1 80	0	1345.0034600	1345.0032701
0.0001899	-0.0004000	0.0000000				
540: 84	1 83	1 83	1 82	0	1345.4433700	1345.4433679
0.0000021	-0.0004000	0.0000000				
541: 85	1 84	1 84	1 83	0	1345.6630100	1345.6629301
0.0000799	-0.0004000	0.0000000				
542: 86	1 85	1 85	1 84	0	1345.8819400	1345.8821649
-0.0002249	-0.0004000	0.0000000				
543: 87	1 86	1 86	1 85	0	1346.1010800	1346.1010702
0.0000098	-0.0004000	0.0000000				
544: 88	1 87	1 87	1 86	0	1346.3192600	1346.3196440
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545: 89	1 88	1 88	1 87	0	1346.5374900	1346.5378842
-0.0003942	-0.0004000	0.0000000				
546: 94	1 94	1 95	1 95	0	1301.6615600	1301.6612430
0.0003170	-0.0004000	0.0000000				
547: 92	1 92	1 93	1 93	0	1302.1722300	1302.1727772
-0.0005472	-0.0004000	0.0000000				
548: 91	1 91	1 92	1 92	0	1302.4281100	1302.4284338
-0.0003238	-0.0004000	0.0000000				
549: 90	1 90	1 91	1 91	0	1302.6838200	1302.6840151
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550: 89	1 89	1 90	1 90	0	1302.9406800	1302.9395197

0.0011603	-0.0004000	0.0000000		
551: 88	1 88	1 89	1 89	0
0.0006735	-0.0004000	0.0000000	1303.1956200	1303.1949465
552: 87	1 87	1 88	1 88	0
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553: 86	1 86	1 87	1 87	0
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554: 84	1 84	1 85	1 85	0
0.0004318	-0.0004000	0.0000000	1304.2162800	1304.2158482
555: 83	1 83	1 84	1 84	0
0.0004242	-0.0004000	0.0000000	1304.4712900	1304.4708658
556: 81	1 81	1 82	1 82	0
-0.0000226	-0.0004000	0.0000000	1304.9806200	1304.9806426
557: 80	1 80	1 81	1 81	0
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558: 78	1 78	1 79	1 79	0
0.0000883	-0.0004000	0.0000000	1305.7447300	1305.7446417
559: 77	1 77	1 78	1 78	0
0.0005948	-0.0004000	0.0000000	1305.9997200	1305.9991252
560: 76	1 76	1 77	1 77	0
0.0000049	-0.0004000	0.0000000	1306.2535200	1306.2535151
561: 75	1 75	1 76	1 76	0
-0.0002201	-0.0004000	0.0000000	1306.5075900	1306.5078101
562: 74	1 74	1 75	1 75	0
-0.0002988	-0.0004000	0.0000000	1306.7617100	1306.7620088
563: 73	1 73	1 74	1 74	0
-0.0001599	-0.0004000	0.0000000	1307.0159500	1307.0161099
564: 72	1 72	1 73	1 73	0
0.0002179	-0.0004000	0.0000000	1307.2703300	1307.2701121
565: 71	1 71	1 72	1 72	0
-0.0001141	-0.0004000	0.0000000	1307.5239000	1307.5240141
566: 70	1 70	1 71	1 71	0
-0.0001846	-0.0004000	0.0000000	1307.7776300	1307.7778146
567: 69	1 69	1 70	1 70	0
0.0001078	-0.0004000	0.0000000	1308.0316200	1308.0315122
568: 68	1 68	1 69	1 69	0
0.0001843	-0.0004000	0.0000000	1308.2852900	1308.2851057
569: 67	1 67	1 68	1 68	0
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570: 66	1 66	1 67	1 67	0
0.0000251	-0.0004000	0.0000000	1308.7920000	1308.7919749
571: 65	1 65	1 66	1 66	0
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572: 64	1 64	1 65	1 65	0
-0.0001421	-0.0004000	0.0000000	1309.2982700	1309.2984121
573: 63	1 63	1 64	1 64	0
-0.0001454	-0.0004000	0.0000000	1309.5513200	1309.5514654
574: 62	1 62	1 63	1 63	0
0.0003531	-0.0004000	0.0000000	1309.8047600	1309.8044069
575: 61	1 61	1 62	1 62	0
-0.0001254	-0.0004000	0.0000000	1310.0571100	1310.0572354
576: 60	1 60	1 61	1 61	0
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577: 59	1 59	1 60	1 60	0
-0.0002184	-0.0004000	0.0000000	1310.5623300	1310.5625484
578: 58	1 58	1 59	1 59	0
-0.0001506	-0.0004000	0.0000000	1310.8148800	1310.8150306
579: 57	1 57	1 58	1 58	0
-0.0001852	-0.0004000	0.0000000	1311.0672100	1311.0673952
580: 56	1 56	1 57	1 57	0
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581: 55	1 55	1 56	1 56	0
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582: 54	1 54	1 55	1 55	0
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583: 53	1 53	1 54	1 54	0	1312.0752900	1312.0756566
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584: 52	1 52	1 53	1 53	0	1312.3263900	1312.3274182
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585: 51	1 51	1 52	1 52	0	1312.5786600	1312.5790569
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586: 50	1 50	1 51	1 51	0	1312.8300600	1312.8305720
-0.0005120	-0.0004000	0.0000000				
587: 49	1 49	1 50	1 50	0	1313.0815700	1313.0819632
-0.0003932	-0.0004000	0.0000000				
588: 47	1 47	1 48	1 48	0	1313.5837000	1313.5843729
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589: 46	1 46	1 47	1 47	0	1313.8348300	1313.8353913
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590: 45	1 45	1 46	1 46	0	1314.0855300	1314.0862858
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591: 39	1 39	1 40	1 40	0	1315.5888300	1315.5891048
-0.0002748	-0.0004000	0.0000000				
592: 38	1 38	1 39	1 39	0	1315.8386200	1315.8391661
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593: 36	1 36	1 37	1 37	0	1316.3386500	1316.3389638
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594: 35	1 35	1 36	1 36	0	1316.5886200	1316.5887082
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595: 34	1 34	1 35	1 35	0	1316.8381800	1316.8383559
-0.0001759	-0.0004000	0.0000000				
596: 33	1 33	1 34	1 34	0	1317.0874000	1317.0879123
-0.0005123	-0.0004000	0.0000000				
597: 31	1 31	1 32	1 32	0	1317.5860400	1317.5867760
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598: 30	1 30	1 31	1 31	0	1317.8358100	1317.8360970
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599: 29	1 29	1 30	1 30	0	1318.0853100	1318.0853542
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600: 27	1 27	1 28	1 28	0	1318.5841200	1318.5837100
0.0004100	-0.0004000	0.0000000				
601: 26	1 26	1 27	1 27	0	1318.8331400	1318.8328260
0.0003140	-0.0004000	0.0000000				
602: 25	1 25	1 26	1 26	0	1319.0818900	1319.0819128
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603: 24	1 24	1 25	1 25	0	1319.3311200	1319.3309796
0.0001404	-0.0004000	0.0000000				
604: 23	1 23	1 24	1 24	0	1319.5803800	1319.5800355
0.0003445	-0.0004000	0.0000000				
605: 22	1 22	1 23	1 23	0	1319.8291100	1319.8290895
0.0000205	-0.0004000	0.0000000				
606: 20	1 20	1 21	1 21	0	1320.3269000	1320.3272254
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607: 19	1 19	1 20	1 20	0	1320.5764600	1320.5763226
0.0001374	-0.0004000	0.0000000				
608: 18	1 18	1 19	1 19	0	1320.8253100	1320.8254484
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609: 17	1 17	1 18	1 18	0	1321.0749400	1321.0746078
0.0003322	-0.0004000	0.0000000				
610: 16	1 16	1 17	1 17	0	1321.3239700	1321.3238052
0.0001648	-0.0004000	0.0000000				
611: 15	1 15	1 16	1 16	0	1321.5729400	1321.5730432
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612: 13	1 13	1 14	1 14	0	1322.0717400	1322.0716438
0.0000962	-0.0004000	0.0000000				
613: 11	1 11	1 12	1 12	0	1322.5703800	1322.5703989
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614: 10	1 10	1 11	1 11	0	1322.8196400	1322.8198230
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615: 9	1 9	1 10	1 10	0	1323.0693000	1323.0692686

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616:	8	1	8	1
	9	1	9	0
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617:	7	1	7	1
	8	1	8	0
-0.0005237	-0.0004000	0.0000000	1323.5676600	1323.5681837
618:	6	1	6	1
	7	1	7	0
0.0001714	-0.0004000	0.0000000	1323.8178000	1323.8176286
619:	5	1	5	1
	6	1	6	0
-0.0000960	-0.0004000	0.0000000	1324.0669500	1324.0670460
620:	4	1	4	1
	5	1	5	0
0.0002706	-0.0004000	0.0000000	1324.3166900	1324.3164194
621:	3	1	3	1
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622:	2	1	2	1
	3	1	3	0
0.0001584	-0.0004000	0.0000000	1324.8151200	1324.8149616
623:	3	1	3	1
	2	1	2	0
-0.0001621	-0.0004000	0.0000000	1326.3072900	1326.3074521
624:	4	1	4	1
	3	1	3	0
-0.0002260	-0.0004000	0.0000000	1326.5552800	1326.5555060
625:	5	1	5	1
	4	1	4	0
0.0002405	-0.0004000	0.0000000	1326.8035400	1326.8032995
626:	6	1	6	1
	5	1	5	0
0.0005403	-0.0004000	0.0000000	1327.0513500	1327.0508097
627:	7	1	7	1
	6	1	6	0
0.0000858	-0.0004000	0.0000000	1327.2981000	1327.2980142
628:	8	1	8	1
	7	1	7	0
0.0000185	-0.0004000	0.0000000	1327.5449100	1327.5448915
629:	9	1	9	1
	8	1	8	0
0.0002088	-0.0004000	0.0000000	1327.7916300	1327.7914212
630:	10	1	10	1
	9	1	9	0
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631:	11	1	11	1
	10	1	10	0
-0.0004116	-0.0004000	0.0000000	1328.2829500	1328.2833616
632:	12	1	12	1
	11	1	11	0
-0.0001180	-0.0004000	0.0000000	1328.5286200	1328.5287380
633:	13	1	13	1
	12	1	12	0
0.0000516	-0.0004000	0.0000000	1328.7737500	1328.7736984
634:	14	1	14	1
	13	1	13	0
0.0003101	-0.0004000	0.0000000	1329.0185400	1329.0182299
635:	15	1	15	1
	14	1	14	0
0.0001285	-0.0004000	0.0000000	1329.2624500	1329.2623215
636:	16	1	16	1
	15	1	15	0
0.0001659	-0.0004000	0.0000000	1329.5061300	1329.5059641
637:	17	1	17	1
	16	1	16	0
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638:	19	1	19	1
	18	1	18	0
-0.0002990	-0.0004000	0.0000000	1330.2338400	1330.2341390
639:	21	1	21	1
	20	1	20	0
-0.0003793	-0.0004000	0.0000000	1330.7168900	1330.7172693
640:	22	1	22	1
	21	1	21	0
-0.0001806	-0.0004000	0.0000000	1330.9579600	1330.9581406
641:	23	1	23	1
	22	1	22	0
-0.0001642	-0.0004000	0.0000000	1331.1983900	1331.1985542
642:	24	1	24	1
	23	1	23	0
-0.0001454	-0.0004000	0.0000000	1331.4383700	1331.4385154
643:	25	1	25	1
	24	1	24	0
-0.0002506	-0.0004000	0.0000000	1331.6777800	1331.6780306
644:	26	1	26	1
	25	1	25	0
-0.0003973	-0.0004000	0.0000000	1331.9167100	1331.9171073
645:	27	1	27	1
	26	1	26	0
-0.0002938	-0.0004000	0.0000000	1332.1554600	1332.1557538
646:	28	1	28	1
	27	1	27	0
-0.0000289	-0.0004000	0.0000000	1332.3939500	1332.3939789
647:	29	1	29	1
	28	1	28	0
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648: 30	1 30	1 29	1 29	0	1332.8690300	1332.8692021
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649: 31	1 31	1 30	1 30	0	1333.1064000	1333.1062191
0.0001809	-0.0004000	0.0000000				
650: 32	1 32	1 31	1 31	0	1333.3430900	1333.3428522
0.0002378	-0.0004000	0.0000000				
651: 33	1 33	1 32	1 32	0	1333.5786900	1333.5791107
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652: 34	1 34	1 33	1 33	0	1333.8151500	1333.8150034
0.0001466	-0.0004000	0.0000000				
653: 35	1 35	1 34	1 34	0	1334.0499900	1334.0505387
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654: 37	1 37	1 36	1 36	0	1334.5205700	1334.5205687
0.0000013	-0.0004000	0.0000000				
655: 38	1 38	1 37	1 37	0	1334.7550100	1334.7550777
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656: 39	1 39	1 38	1 38	0	1334.9887100	1334.9892580
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657: 40	1 40	1 39	1 39	0	1335.2233300	1335.2231153
0.0002147	-0.0004000	0.0000000				
658: 41	1 41	1 40	1 40	0	1335.4567400	1335.4566548
0.0000852	-0.0004000	0.0000000				
659: 42	1 42	1 41	1 41	0	1335.6897700	1335.6898809
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660: 43	1 43	1 42	1 42	0	1335.9228600	1335.9227978
0.0000622	-0.0004000	0.0000000				
661: 44	1 44	1 43	1 43	0	1336.1551200	1336.1554089
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662: 45	1 45	1 44	1 44	0	1336.3879100	1336.3877173
0.0001927	-0.0004000	0.0000000				
663: 52	1 52	1 51	1 51	0	1338.0061800	1338.0055642
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664: 53	1 53	1 52	1 52	0	1338.2359500	1338.2355107
0.0004393	-0.0004000	0.0000000				
665: 54	1 54	1 53	1 53	0	1338.4656700	1338.4651648
0.0005052	-0.0004000	0.0000000				
666: 55	1 55	1 54	1 54	0	1338.6948500	1338.6945261
0.0003239	-0.0004000	0.0000000				
667: 56	1 56	1 55	1 55	0	1338.9239800	1338.9235945
0.0003855	-0.0004000	0.0000000				
668: 57	1 57	1 56	1 56	0	1339.1529000	1339.1523694
0.0005306	-0.0004000	0.0000000				
669: 58	1 58	1 57	1 57	0	1339.3810000	1339.3808501
0.0001499	-0.0004000	0.0000000				
670: 59	1 59	1 58	1 58	0	1339.6092600	1339.6090359
0.0002241	-0.0004000	0.0000000				
671: 60	1 60	1 59	1 59	0	1339.8370500	1339.8369259
0.0001241	-0.0004000	0.0000000				
672: 61	1 61	1 60	1 60	0	1340.0648600	1340.0645192
0.0003408	-0.0004000	0.0000000				
673: 62	1 62	1 61	1 61	0	1340.2920400	1340.2918148
0.0002252	-0.0004000	0.0000000				
674: 63	1 63	1 62	1 62	0	1340.5191800	1340.5188115
0.0003685	-0.0004000	0.0000000				
675: 64	1 64	1 63	1 63	0	1340.7458400	1340.7455083
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676: 65	1 65	1 64	1 64	0	1340.9722300	1340.9719038
0.0003262	-0.0004000	0.0000000				
677: 66	1 66	1 65	1 65	0	1341.1981500	1341.1979969
0.0001531	-0.0004000	0.0000000				
678: 67	1 67	1 66	1 66	0	1341.4240700	1341.4237863
0.0002837	-0.0004000	0.0000000				
679: 68	1 68	1 67	1 67	0	1341.6493800	1341.6492706
0.0001094	-0.0004000	0.0000000				
680: 69	1 69	1 68	1 68	0	1341.8743300	1341.8744485

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681: 70	1 70	1 69	1 69	0
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682: 71	1 71	1 70	1 70	0
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683: 72	1 72	1 71	1 71	0
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684: 73	1 73	1 72	1 72	0
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685: 74	1 74	1 73	1 73	0
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686: 75	1 75	1 74	1 74	0
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687: 76	1 76	1 75	1 75	0
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688: 77	1 77	1 76	1 76	0
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689: 78	1 78	1 77	1 77	0
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690: 79	1 79	1 78	1 78	0
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691: 80	1 80	1 79	1 79	0
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692: 81	1 81	1 80	1 80	0
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693: 82	1 82	1 81	1 81	0
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694: 83	1 83	1 82	1 82	0
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695: 84	1 84	1 83	1 83	0
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696: 85	1 85	1 84	1 84	0
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697: 86	1 86	1 85	1 85	0
0.0000661	-0.0004000	0.0000000	1345.6542700	1345.6542039
698: 87	1 87	1 86	1 86	0
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699: 88	1 88	1 87	1 87	0
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700: 89	1 89	1 88	1 88	0
0.0005258	-0.0004000	0.0000000	1346.3119700	1346.3114442
701: 90	1 90	1 89	1 89	0
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702: 91	1 91	1 90	1 90	0
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703: 90	2 88	1 91	2 89	0
0.0002611	-0.0004000	0.0000000	1302.1895700	1302.1893089
704: 89	2 87	1 90	2 88	0
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705: 88	2 86	1 89	2 87	0
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706: 86	2 84	1 87	2 85	0
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707: 85	2 83	1 86	2 84	0
0.0000485	-0.0004000	0.0000000	1303.4669000	1303.4668515
708: 84	2 82	1 85	2 83	0
0.0004313	-0.0004000	0.0000000	1303.7225100	1303.7220787
709: 76	2 74	1 77	2 75	0
0.0002969	-0.0004000	0.0000000	1305.7601700	1305.7598731
710: 75	2 73	1 76	2 74	0
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711: 73	2 71	1 74	2 72	0
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712: 71	2 69	1 72	2 70	0
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713: 64	2 62	1 65	2 63	0	1308.7984400	1308.7980489
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714: 59	2 57	1 60	2 58	0	1310.0554900	1310.0552144
0.0002756	-0.0004000	0.0000000				
715: 58	2 56	1 59	2 57	0	1310.3056800	1310.3060698
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716: 57	2 55	1 58	2 56	0	1310.5569900	1310.5567818
0.0002082	-0.0004000	0.0000000				
717: 56	2 54	1 57	2 55	0	1310.8079900	1310.8073846
0.0006054	-0.0004000	0.0000000				
718: 55	2 53	1 56	2 54	0	1311.0578200	1311.0579192
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719: 54	2 52	1 55	2 53	0	1311.3083300	1311.3084333
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720: 53	2 51	1 54	2 52	0	1311.5591200	1311.5589810
0.0001390	-0.0004000	0.0000000				
721: 52	2 50	1 53	2 51	0	1311.8091100	1311.8096211
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722: 51	2 49	1 52	2 50	0	1312.0602100	1312.0604163
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723: 50	2 48	1 51	2 49	0	1312.3116400	1312.3114313
0.0002087	-0.0004000	0.0000000				
724: 49	2 47	1 50	2 48	0	1312.5630600	1312.5627308
0.0003292	-0.0004000	0.0000000				
725: 48	2 46	1 49	2 47	0	1312.8140900	1312.8143776
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726: 47	2 45	1 48	2 46	0	1313.0671600	1313.0664311
0.0007289	-0.0004000	0.0000000				
727: 46	2 44	1 47	2 45	0	1313.3188500	1313.3189451
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728: 45	2 43	1 46	2 44	0	1313.5719600	1313.5719671
-0.0000071	-0.0004000	0.0000000				
729: 43	2 41	1 44	2 42	0	1314.0796700	1314.0796868
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730: 41	2 39	1 42	2 40	0	1314.5898100	1314.5898149
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731: 40	2 38	1 41	2 39	0	1314.8459000	1314.8458190
0.0000810	-0.0004000	0.0000000				
732: 39	2 37	1 40	2 38	0	1315.1023800	1315.1024561
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733: 37	2 35	1 38	2 36	0	1315.6176000	1315.6176164
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734: 36	2 34	1 37	2 35	0	1315.8758800	1315.8761226
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735: 32	2 30	1 33	2 31	0	1316.9166100	1316.9159966
0.0006134	-0.0004000	0.0000000				
736: 31	2 29	1 32	2 30	0	1317.1776000	1317.1773385
0.0002615	-0.0004000	0.0000000				
737: 30	2 28	1 31	2 29	0	1317.4384500	1317.4391885
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738: 29	2 27	1 30	2 28	0	1317.7021600	1317.7015221
0.0006379	-0.0004000	0.0000000				
739: 28	2 26	1 29	2 27	0	1317.9646700	1317.9643121
0.0003579	-0.0004000	0.0000000				
740: 27	2 25	1 28	2 26	0	1318.2272500	1318.2275269
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741: 26	2 24	1 27	2 25	0	1318.4910200	1318.4911301
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742: 25	2 23	1 26	2 24	0	1318.7550800	1318.7550789
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743: 24	2 22	1 25	2 23	0	1319.0194500	1319.0193228
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744: 23	2 21	1 24	2 22	0	1319.2838700	1319.2838030
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745: 22	2 20	1 23	2 21	0	1319.5488500	1319.5484514



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746:	21	2 19	1 22	2 20	0
0.0000991	-0.0004000	0.0000000		1319.8132900	1319.8131909
747:	18	2 16	1 19	2 17	0
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748:	17	2 15	1 18	2 16	0
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749:	15	2 13	1 16	2 14	0
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751:	13	2 11	1 14	2 12	0
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752:	12	2 10	1 13	2 11	0
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755:	9	2 7	1 10	2 8	0
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756:	8	2 6	1 9	2 7	0
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760:	9	2 7	1 8	2 6	0
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761:	10	2 8	1 9	2 7	0
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762:	11	2 9	1 10	2 8	0
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763:	12	2 10	1 11	2 9	0
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764:	13	2 11	1 12	2 10	0
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765:	14	2 12	1 13	2 11	0
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766:	15	2 13	1 14	2 12	0
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767:	16	2 14	1 15	2 13	0
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768:	17	2 15	1 16	2 14	0
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771:	21	2 19	1 20	2 18	0
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772:	22	2 20	1 21	2 19	0
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773:	23	2 21	1 22	2 20	0
0.0001055	-0.0004000	0.0000000		1331.4652700	1331.4651645
774:	24	2 22	1 23	2 21	0
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775:	25	2 23	1 24	2 22	0
0.0000686	-0.0004000	0.0000000		1331.9871800	1331.9871114
776:	26	2 24	1 25	2 23	0
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777:	27	2 25	1 26	2 24	0
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781: 31	2 29	1 30	2 28	0	1333.5373900	1333.5376872
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782: 32	2 30	1 31	2 29	0	1333.7921800	1333.7930471
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783: 33	2 31	1 32	2 30	0	1334.0471500	1334.0473517
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784: 34	2 32	1 33	2 31	0	1334.3006500	1334.3005401
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786: 36	2 34	1 35	2 33	0	1334.8031700	1334.8033285
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787: 37	2 35	1 36	2 34	0	1335.0528000	1335.0528099
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788: 45	2 43	1 44	2 42	0	1336.9958000	1336.9958521
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789: 46	2 44	1 45	2 43	0	1337.2314000	1337.2316310
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790: 48	2 46	1 47	2 45	0	1337.6981700	1337.6984793
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791: 49	2 47	1 48	2 46	0	1337.9292200	1337.9296511
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792: 50	2 48	1 49	2 47	0	1338.1594600	1338.1594193
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793: 51	2 49	1 50	2 48	0	1338.3878700	1338.3878773
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794: 52	2 50	1 51	2 49	0	1338.6151600	1338.6151320
0.0000280	-0.0004000	0.0000000				
795: 53	2 51	1 52	2 50	0	1338.8412000	1338.8412997
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797: 55	2 53	1 54	2 52	0	1339.2911200	1339.2908671
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799: 58	2 56	1 57	2 55	0	1339.9595300	1339.9601162
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800: 59	2 57	1 58	2 56	0	1340.1821800	1340.1822780
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801: 60	2 58	1 59	2 57	0	1340.4044600	1340.4041313
0.0003287	-0.0004000	0.0000000				
802: 61	2 59	1 60	2 58	0	1340.6258100	1340.6257487
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803: 62	2 60	1 61	2 59	0	1340.8469700	1340.8471894
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804: 63	2 61	1 62	2 60	0	1341.0683600	1341.0685000
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805: 64	2 62	1 63	2 61	0	1341.2899500	1341.2897155
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806: 65	2 63	1 64	2 62	0	1341.5108300	1341.5108605
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807: 66	2 64	1 65	2 63	0	1341.7320800	1341.7319503
0.0001297	-0.0004000	0.0000000				
808: 67	2 65	1 66	2 64	0	1341.9526100	1341.9529926
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809: 68	2 66	1 67	2 65	0	1342.1737700	1342.1739886
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810: 69	2 67	1 68	2 66	0	1342.3947500	1342.3949345

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811: 70	2 68	1 69	2 67	0
			1342.6156600	1342.6158224
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812: 71	2 69	1 70	2 68	0
			1342.8367700	1342.8366414
0.0001286	-0.0004000	0.0000000		
813: 72	2 70	1 71	2 69	0
			1343.0577200	1343.0573787
0.0003413	-0.0004000	0.0000000		
814: 73	2 71	1 72	2 70	0
			1343.2774800	1343.2780198
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815: 74	2 72	1 73	2 71	0
			1343.4988900	1343.4985497
0.0003403	-0.0004000	0.0000000		
816: 75	2 73	1 74	2 72	0
			1343.7189200	1343.7189528
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817: 76	2 74	1 75	2 73	0
			1343.9391400	1343.9392135
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818: 77	2 75	1 76	2 74	0
			1344.1593600	1344.1593166
0.0000434	-0.0004000	0.0000000		
819: 79	2 77	1 78	2 76	0
			1344.5991100	1344.5989911
0.0001189	-0.0004000	0.0000000		
820: 80	2 78	1 79	2 77	0
			1344.8183300	1344.8185349
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821: 82	2 80	1 81	2 79	0
			1345.2563000	1345.2569717
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822: 83	2 81	1 82	2 80	0
			1345.4760600	1345.4758416
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823: 84	2 82	1 83	2 81	0
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825: 86	2 84	1 85	2 83	0
			1346.1323000	1346.1309344
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826: 88	2 87	1 89	2 88	0
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827: 87	2 86	1 88	2 87	0
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829: 84	2 83	1 85	2 84	0
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831: 82	2 81	1 83	2 82	0
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832: 81	2 80	1 82	2 81	0
			1304.7287800	1304.7285266
0.0002534	-0.0004000	0.0000000		
833: 80	2 79	1 81	2 80	0
			1304.9839900	1304.9834327
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835: 78	2 77	1 79	2 78	0
			1305.4930500	1305.4929801
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836: 77	2 76	1 78	2 77	0
			1305.7476800	1305.7476193
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925: 42 2 41 1 41 2 40 0	1335.9072400	1335.9071289
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953: 81	2 80	1 80	2 79	0
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954: 82	2 81	1 81	2 80	0
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955: 84	2 83	1 83	2 82	0
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956: 85	2 84	1 84	2 83	0
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957: 86	2 85	1 85	2 84	0
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1173:	28	3	26	1	27	3	25	0	1332.5698400	1332.5698649
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1174:	29	3	27	1	28	3	26	0	1332.8195800	1332.8205021
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1175:	30	3	28	1	29	3	27	0	1333.0708800	1333.0707496
	0.0001304	-0.0004000	0.0000000							
1176:	31	3	29	1	30	3	28	0	1333.3208400	1333.3205795
	0.0002605	-0.0004000	0.0000000							
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1178:	33	3	31	1	32	3	30	0	1333.8190000	1333.8188778
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1179:	34	3	32	1	33	3	31	0	1334.0672800	1334.0672929
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1180:	35	3	33	1	34	3	32	0	1334.3151500	1334.3151846
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1181:	36	3	34	1	35	3	33	0	1334.5622300	1334.5625286
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1182:	37	3	35	1	36	3	34	0	1334.8098300	1334.8093016
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1183:	46	3	44	1	45	3	43	0	1337.0009800	1337.0014509
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1185:	48	3	46	1	47	3	45	0	1337.4809600	1337.4809637
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1186:	49	3	47	1	48	3	46	0	1337.7202200	1337.7196351
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1187:	50	3	48	1	49	3	47	0	1337.9575100	1337.9575817
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1188:	51	3	49	1	50	3	48	0	1338.1951800	1338.1948046
	0.0003754	-0.0004000	0.0000000							
1189:	52	3	50	1	51	3	49	0	1338.4314700	1338.4313069
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1190:	53	3	51	1	52	3	50	0	1338.6670900	1338.6670935
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1191:	54	3	52	1	53	3	51	0	1338.9024500	1338.9021708
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1523: 30 5 25 1 29 5 24 0	1332.9022400	1332.9024605
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1524: 31 5 26 1 30 5 25 0	1333.1541300	1333.1543562
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1525: 32 5 27 1 31 5 26 0	1333.4056300	1333.4062166



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1527: 40	5 35	1 39	5 34	0
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1528: 41	5 36	1 40	5 35	0
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1529: 42	5 37	1 41	5 36	0
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1530: 44	5 39	1 43	5 38	0
0.0001524	-0.0004000	0.0000000	1336.4299900	1336.4298376
1531: 45	5 40	1 44	5 39	0
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1532: 46	5 41	1 45	5 40	0
0.0000908	-0.0004000	0.0000000	1336.9353200	1336.9352292
1533: 47	5 42	1 46	5 41	0
0.0005358	-0.0004000	0.0000000	1337.1888100	1337.1882742
1534: 48	5 43	1 47	5 42	0
0.0000907	-0.0004000	0.0000000	1337.4416900	1337.4415993
1535: 49	5 44	1 48	5 43	0
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1536: 50	5 45	1 49	5 44	0
0.0001552	-0.0004000	0.0000000	1337.9494000	1337.9492448
1537: 51	5 46	1 50	5 45	0
0.0000826	-0.0004000	0.0000000	1338.2037300	1338.2036474
1538: 53	5 48	1 52	5 47	0
0.0000554	-0.0004000	0.0000000	1338.7138800	1338.7138246
1539: 54	5 49	1 53	5 48	0
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1541: 56	5 51	1 55	5 50	0
0.0004649	-0.0004000	0.0000000	1339.4836000	1339.4831351
1542: 57	5 52	1 56	5 51	0
0.0001673	-0.0004000	0.0000000	1339.7409600	1339.7407927
1543: 58	5 53	1 57	5 52	0
0.0000074	-0.0004000	0.0000000	1339.9991100	1339.9991026
1544: 59	5 54	1 58	5 53	0
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1545: 63	5 58	1 62	5 57	0
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1546: 64	5 59	1 63	5 58	0
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1547: 65	5 60	1 64	5 59	0
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1549: 67	5 62	1 66	5 61	0
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1550: 68	5 63	1 67	5 62	0
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1551: 69	5 64	1 68	5 63	0
0.0002075	-0.0004000	0.0000000	1342.8761200	1342.8759125
1552: 70	5 65	1 69	5 64	0
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1553: 71	5 66	1 70	5 65	0
0.0002196	-0.0004000	0.0000000	1343.4006800	1343.4004604
1554: 72	5 67	1 71	5 66	0
0.0002497	-0.0004000	0.0000000	1343.6621400	1343.6618903
1555: 73	5 68	1 72	5 67	0
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1556: 74	5 69	1 73	5 68	0
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1557: 75	5 70	1 74	5 69	0
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1558: 76 5 71 1 75 5 70 0	1344.6984100	1344.6980998
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1560: 78 5 73 1 77 5 72 0	1345.2086000	1345.2083976
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1561: 79 5 74 1 78 5 73 0	1345.4606500	1345.4611422
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1562: 82 5 77 1 81 5 76 0	1346.2092000	1346.2085360
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1563: 83 5 78 1 82 5 77 0	1346.4528900	1346.4537717
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1565: 85 5 80 1 84 5 79 0	1346.9377100	1346.9379794
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1566: 86 5 81 1 85 5 80 0	1347.1777600	1347.1768367
0.0009233 -0.0004000 0.0000000		
1567: 87 5 82 1 86 5 81 0	1347.4124000	1347.4134642
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1568: 88 5 83 1 87 5 82 0	1347.6476400	1347.6478215
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1569: 80 5 76 1 81 5 77 0	1304.3355100	1304.3357463
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1570: 79 5 75 1 80 5 76 0	1304.5941900	1304.5938704
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1571: 77 5 73 1 78 5 74 0	1305.1104700	1305.1104952
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1572: 76 5 72 1 77 5 73 0	1305.3689800	1305.3690050
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1573: 73 5 69 1 74 5 70 0	1306.1448000	1306.1453675
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1574: 72 5 68 1 73 5 69 0	1306.4046200	1306.4044405
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1575: 71 5 67 1 72 5 68 0	1306.6638700	1306.6636585
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1576: 70 5 66 1 71 5 67 0	1306.9226100	1306.9230214
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1577: 69 5 65 1 70 5 66 0	1307.1824700	1307.1825286
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1578: 68 5 64 1 69 5 65 0	1307.4419600	1307.4421785
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1579: 67 5 63 1 68 5 64 0	1307.7020500	1307.7019686
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1583: 62 5 58 1 63 5 59 0	1309.0033000	1309.0028795
0.0004205 -0.0004000 0.0000000		
1584: 61 5 57 1 62 5 58 0	1309.2631600	1309.2634134
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1585: 60 5 56 1 61 5 57 0	1309.5247000	1309.5240476
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1586: 59 5 55 1 60 5 56 0	1309.7851100	1309.7847733
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1587: 58 5 54 1 59 5 55 0	1310.0461200	1310.0455815
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1588: 56 5 52 1 57 5 53 0	1310.5672500	1310.5674054
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0.0001994 -0.0004000 0.0000000		
1590: 54 5 50 1 55 5 51 0	1311.0894200	1311.0894370

-0.0000170	-0.0004000	0.0000000		
1591: 53	5 49	1 54	5 50	0
0.0001465	-0.0004000	0.0000000	1311.3506500	1311.3505035
1592: 52	5 48	1 53	5 49	0
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1593: 51	5 47	1 52	5 48	0
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1594: 50	5 46	1 51	5 47	0
0.0000461	-0.0004000	0.0000000	1312.1338200	1312.1337739
1595: 48	5 44	1 49	5 45	0
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1596: 46	5 42	1 47	5 43	0
0.0002845	-0.0004000	0.0000000	1313.1781800	1313.1778955
1597: 45	5 41	1 46	5 42	0
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1598: 44	5 40	1 45	5 41	0
0.0001190	-0.0004000	0.0000000	1313.6997900	1313.6996710
1599: 43	5 39	1 44	5 40	0
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0.0001803	-0.0004000	0.0000000	1314.2213400	1314.2211597
1601: 41	5 37	1 42	5 38	0
0.0000235	-0.0004000	0.0000000	1314.4818000	1314.4817765
1602: 33	5 29	1 34	5 30	0
-0.0002393	-0.0004000	0.0000000	1316.5625900	1316.5628293
1603: 32	5 28	1 33	5 29	0
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1604: 31	5 27	1 32	5 28	0
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1605: 30	5 26	1 31	5 27	0
-0.0000088	-0.0004000	0.0000000	1317.3411400	1317.3411488
1606: 29	5 25	1 30	5 26	0
0.0002075	-0.0004000	0.0000000	1317.6005200	1317.6003125
1607: 28	5 24	1 29	5 25	0
0.0003251	-0.0004000	0.0000000	1317.8596600	1317.8593349
1608: 26	5 22	1 27	5 23	0
0.0006696	-0.0004000	0.0000000	1318.3776200	1318.3769504
1609: 25	5 21	1 26	5 22	0
0.0004089	-0.0004000	0.0000000	1318.6359500	1318.6355411
1610: 24	5 20	1 25	5 21	0
-0.0000459	-0.0004000	0.0000000	1318.8939400	1318.8939859
1611: 23	5 19	1 24	5 20	0
0.0000157	-0.0004000	0.0000000	1319.1523000	1319.1522843
1612: 21	5 17	1 22	5 18	0
-0.0000697	-0.0004000	0.0000000	1319.6683700	1319.6684397
1613: 20	5 16	1 21	5 17	0
0.0001938	-0.0004000	0.0000000	1319.9264900	1319.9262962
1614: 19	5 15	1 20	5 16	0
0.0003350	-0.0004000	0.0000000	1320.1843400	1320.1840050
1615: 17	5 13	1 18	5 14	0
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1616: 16	5 12	1 17	5 13	0
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1617: 14	5 10	1 15	5 11	0
0.0000114	-0.0004000	0.0000000	1321.4703500	1321.4703386
1618: 9	5 5	1 10	5 6	0
0.0003779	-0.0004000	0.0000000	1322.7534000	1322.7530221
1619: 8	5 4	1 9	5 5	0
0.0000425	-0.0004000	0.0000000	1323.0091700	1323.0091275
1620: 7	5 3	1 8	5 4	0
0.0000989	-0.0004000	0.0000000	1323.2651900	1323.2650911
1621: 6	5 2	1 7	5 3	0
0.0001362	-0.0004000	0.0000000	1323.5210500	1323.5209138
1622: 7	5 3	1 6	5 2	0
0.0002559	-0.0004000	0.0000000	1327.0886100	1327.0883541

1623:	8	5	4	1	7	5	3	0	1327.3424000	1327.3422278
0.0001722	-0.0004000	0.0000000								
1624:	9	5	5	1	8	5	4	0	1327.5963200	1327.5959854
0.0003346	-0.0004000	0.0000000								
1625:	10	5	6	1	9	5	5	0	1327.8497200	1327.8496289
0.0000911	-0.0004000	0.0000000								
1626:	22	5	18	1	21	5	17	0	1330.8856300	1330.8852908
0.0003392	-0.0004000	0.0000000								
1627:	23	5	19	1	22	5	18	0	1331.1377100	1331.1376653
0.0000447	-0.0004000	0.0000000								
1628:	24	5	20	1	23	5	19	0	1331.3896100	1331.3899599
-0.0003499	-0.0004000	0.0000000								
1629:	25	5	21	1	24	5	20	0	1331.6424800	1331.6421771
0.0003029	-0.0004000	0.0000000								
1630:	27	5	23	1	26	5	22	0	1332.1463800	1332.1463888
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1631:	28	5	24	1	27	5	23	0	1332.3982300	1332.3983879
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1632:	30	5	26	1	29	5	25	0	1332.9022400	1332.9021829
0.0000571	-0.0004000	0.0000000								
1633:	31	5	27	1	30	5	26	0	1333.1541300	1333.1539821
0.0001479	-0.0004000	0.0000000								
1634:	32	5	28	1	31	5	27	0	1333.4056300	1333.4057175
-0.0000875	-0.0004000	0.0000000								
1635:	39	5	35	1	38	5	34	0	1335.1658700	1335.1660774
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1636:	40	5	36	1	39	5	35	0	1335.4169000	1335.4172815
-0.0003815	-0.0004000	0.0000000								
1637:	41	5	37	1	40	5	36	0	1335.6685100	1335.6684051
0.0001049	-0.0004000	0.0000000								
1638:	42	5	38	1	41	5	37	0	1335.9192700	1335.9194416
-0.0001716	-0.0004000	0.0000000								
1639:	43	5	39	1	42	5	38	0	1336.1703100	1336.1703829
-0.0000729	-0.0004000	0.0000000								
1640:	44	5	40	1	43	5	39	0	1336.4214300	1336.4212200
0.0002100	-0.0004000	0.0000000								
1641:	47	5	43	1	46	5	42	0	1337.1726500	1337.1729911
-0.0003411	-0.0004000	0.0000000								
1642:	48	5	44	1	47	5	43	0	1337.4233900	1337.4232887
0.0001013	-0.0004000	0.0000000								
1643:	49	5	45	1	48	5	44	0	1337.6734100	1337.6734130
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1644:	50	5	46	1	49	5	45	0	1337.9233400	1337.9233453
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1645:	51	5	47	1	50	5	46	0	1338.1728700	1338.1730654
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1646:	52	5	48	1	51	5	47	0	1338.4225000	1338.4225514
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1647:	53	5	49	1	52	5	48	0	1338.6720200	1338.6717801
0.0002399	-0.0004000	0.0000000								
1648:	54	5	50	1	53	5	49	0	1338.9205600	1338.9207266
-0.0001666	-0.0004000	0.0000000								
1649:	55	5	51	1	54	5	50	0	1339.1692400	1339.1693649
-0.0001249	-0.0004000	0.0000000								
1650:	56	5	52	1	55	5	51	0	1339.4176400	1339.4176678
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1651:	57	5	53	1	56	5	52	0	1339.6658300	1339.6656069
0.0002231	-0.0004000	0.0000000								
1652:	58	5	54	1	57	5	53	0	1339.9128500	1339.9131531
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1653:	59	5	55	1	58	5	54	0	1340.1604400	1340.1602764
0.0001636	-0.0004000	0.0000000								
1654:	60	5	56	1	59	5	55	0	1340.4067600	1340.4069465
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1655:	61	5	57	1	60	5	56	0	1340.6533600	1340.6531325

0.0002275	-0.0004000	0.0000000		
1656: 62	5 58	1 61	5 57	0
-0.0003736	-0.0004000	0.0000000	1340.8984300	1340.8988036
1657: 63	5 59	1 62	5 58	0
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1658: 64	5 60	1 63	5 59	0
-0.0006881	-0.0004000	0.0000000	1341.3877900	1341.3884781
1659: 65	5 61	1 64	5 60	0
0.0000091	-0.0004000	0.0000000	1341.6324300	1341.6324209
1660: 66	5 62	1 65	5 61	0
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1661: 67	5 63	1 66	5 62	0
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1662: 69	5 65	1 68	5 64	0
0.0000651	-0.0004000	0.0000000	1342.6016200	1342.6015549
1663: 70	5 66	1 69	5 65	0
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1664: 73	5 69	1 72	5 68	0
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1665: 74	5 70	1 73	5 69	0
0.0001164	-0.0004000	0.0000000	1343.7962500	1343.7961336
1666: 75	5 71	1 74	5 70	0
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1667: 76	5 72	1 75	5 71	0
0.0001260	-0.0004000	0.0000000	1344.2683200	1344.2681940
1668: 77	5 73	1 76	5 72	0
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1669: 78	5 74	1 77	5 73	0
0.0003396	-0.0004000	0.0000000	1344.7371200	1344.7367804
1670: 79	5 75	1 78	5 74	0
0.0003632	-0.0004000	0.0000000	1344.9701100	1344.9697468
1671: 80	5 76	1 79	5 75	0
0.0001299	-0.0004000	0.0000000	1345.2019500	1345.2018201
1672: 81	5 77	1 80	5 76	0
0.0008333	-0.0004000	0.0000000	1345.4338300	1345.4329967
1673: 82	5 78	1 81	5 77	0
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1674: 80	6 74	1 81	6 75	0
0.0000416	-0.0004000	0.0000000	1304.1195900	1304.1195484
1675: 79	6 73	1 80	6 74	0
0.0001925	-0.0004000	0.0000000	1304.3856900	1304.3854975
1676: 78	6 72	1 79	6 73	0
0.0008820	-0.0004000	0.0000000	1304.6522700	1304.6513880
1677: 72	6 66	1 73	6 67	0
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1678: 70	6 64	1 71	6 65	0
0.0007441	-0.0004000	0.0000000	1306.7741900	1306.7734459
1679: 69	6 63	1 70	6 64	0
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1680: 68	6 62	1 69	6 63	0
0.0002719	-0.0004000	0.0000000	1307.3023300	1307.3020581
1681: 67	6 61	1 68	6 62	0
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1682: 65	6 59	1 66	6 60	0
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1683: 61	6 55	1 62	6 56	0
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1684: 60	6 54	1 61	6 55	0
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1685: 58	6 52	1 59	6 53	0
0.0003011	-0.0004000	0.0000000	1309.9339000	1309.9335989
1686: 44	6 38	1 45	6 39	0
0.0001698	-0.0004000	0.0000000	1313.5929700	1313.5928002
1687: 43	6 37	1 44	6 38	0
0.0001672	-0.0004000	0.0000000	1313.8534300	1313.8532628

1688:	42	6	36	1	43	6	37	0	1314.1137500	1314.1136098
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1689:	41	6	35	1	42	6	36	0	1314.3738900	1314.3738411
0.0000489	-0.0004000	0.0000000								
1690:	40	6	34	1	41	6	35	0	1314.6340400	1314.6339565
0.0000835	-0.0004000	0.0000000								
1691:	39	6	33	1	40	6	34	0	1314.8940400	1314.8939559
0.0000841	-0.0004000	0.0000000								
1692:	38	6	32	1	39	6	33	0	1315.1538500	1315.1538386
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1693:	37	6	31	1	38	6	32	0	1315.4138100	1315.4136043
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1694:	36	6	30	1	37	6	31	0	1315.6734300	1315.6732523
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1705:	24	6	18	1	25	6	19	0	1318.7796100	1318.7795793
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1707:	22	6	16	1	23	6	17	0	1319.2954800	1319.2955509
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1866: 56	6 51	1 55	6 50	0
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1867: 57	6 52	1 56	6 51	0
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1870: 60	6 55	1 59	6 54	0
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1871: 63	6 58	1 62	6 57	0
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1875: 68	6 63	1 67	6 62	0
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1879: 73	6 68	1 72	6 67	0
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1882: 76	6 71	1 75	6 70	0
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1883: 77 6 72 1 76 6 71 0	1344.4640700	1344.4635491
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1908: 41 7 34 1 42 7 35 0	1314.2422900	1314.2418594
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1909: 40 7 33 1 41 7 34 0	1314.5015800	1314.5015709
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1910: 39 7 32 1 40 7 33 0	1314.7616800	1314.7611871
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1911: 38 7 31 1 39 7 32 0	1315.0211800	1315.0207064
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1914: 34 7 27 1 35 7 28 0	1316.0576200	1316.0577885
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1916: 32	7 25 1 33	7 26 0	1316.5757300	1316.5757138
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1919: 29	7 22 1 30	7 23 0	1317.3518800	1317.3518035
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1920: 28	7 21 1 29	7 22 0	1317.6102500	1317.6102823
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1921: 27	7 20 1 28	7 21 0	1317.8689900	1317.8686504
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1922: 26	7 19 1 27	7 20 0	1318.1269300	1318.1269066
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1944: 40	7 33 1 39	7 32 0	1335.1453500	1335.1453174
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1959: 55	7 48 1 54 7 47 0	1338.8788600	1338.8790566
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1961: 57	7 50 1 56 7 49 0	1339.3749600	1339.3751507
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1965: 68	7 61 1 67 7 60 0	1342.0990800	1342.0989994
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1972: 76	7 69 1 75 7 68 0	1344.0803200	1344.0805817
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1983: 52	7 46	1 53	7 47	0 1311.3790300 1311.3792381
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1984: 51	7 45	1 52	7 46	0 1311.6393200 1311.6398860
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1985: 49	7 43	1 50	7 44	0 1312.1609400 1312.1609509
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1986: 48	7 42	1 49	7 43	0 1312.4215500 1312.4213641
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1987: 47	7 41	1 48	7 42	0 1312.6818000 1312.6816953
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1988: 45	7 39	1 46	7 40	0 1313.2020500 1313.2021048
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1989: 43	7 37	1 44	7 38	0 1313.7223900 1313.7221657
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1993: 39	7 33	1 40	7 34	0 1314.7616800 1314.7611901
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1994: 38	7 32	1 39	7 33	0 1315.0211800 1315.0207086
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1995: 37	7 31	1 38	7 32	0 1315.2802800 1315.2801292
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1996: 36	7 30	1 37	7 31	0 1315.5393600 1315.5394503
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2002: 29	7 23	1 30	7 24	0 1317.3518800 1317.3518035
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2005: 26	7 20	1 27	7 21	0 1318.1269300 1318.1269066
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2006: 25	7 19	1 26	7 20	0 1318.3849700 1318.3850498
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2007: 24	7 18	1 25	7 19	0 1318.6431500 1318.6430789
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2008: 23	7 17	1 24	7 18	0 1318.9007000 1318.9009931
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2009: 22	7 16	1 23	7 17	0 1319.1591700 1319.1587911
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2010: 21	7 15	1 22	7 16	0 1319.4165600 1319.4164722
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2012: 19	7 13	1 20	7 14	0 1319.9315600 1319.9314797
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2016:	14	7	8	1	15	7	9	0	1321.2169200	1321.2168900
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2041:	54	7	48	1	53	7	47	0	1338.6308200	1338.6306159
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2042:	55	7	49	1	54	7	48	0	1338.8788600	1338.8787301
0.0001299	-0.0004000	0.0000000								
2043:	56	7	50	1	55	7	49	0	1339.1269100	1339.1267364
0.0001736	-0.0004000	0.0000000								
2044:	57	7	51	1	56	7	50	0	1339.3749600	1339.3746348
0.0003252	-0.0004000	0.0000000								
2045:	58	7	52	1	57	7	51	0	1339.6226500	1339.6224255



0.0002245	-0.0004000	0.0000000		
2046: 59	7 53	1 58	7 52	0
0.0004515	-0.0004000	0.0000000	1339.8705600	1339.8701085
2047: 67	7 61	1 66	7 60	0
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2049: 70	7 64	1 69	7 63	0
0.0001813	-0.0004000	0.0000000	1342.5873200	1342.5871387
2050: 71	7 65	1 70	7 64	0
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2054: 76	7 70	1 75	7 69	0
0.0001672	-0.0004000	0.0000000	1344.0623300	1344.0621628
2055: 77	7 71	1 76	7 70	0
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2056: 78	7 72	1 77	7 71	0
0.0008508	-0.0004000	0.0000000	1344.5531800	1344.5523292
2057: 80	7 74	1 79	7 73	0
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2058: 81	7 75	1 80	7 74	0
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2059: 82	7 76	1 81	7 75	0
0.0001923	-0.0004000	0.0000000	1345.5298900	1345.5296977
2060: 68	8 60	1 69	8 61	0
0.0001379	-0.0004000	0.0000000	1307.0544900	1307.0543521
2061: 67	8 59	1 68	8 60	0
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2062: 66	8 58	1 67	8 59	0
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2063: 65	8 57	1 66	8 58	0
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2064: 64	8 56	1 65	8 57	0
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2065: 60	8 52	1 61	8 53	0
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2066: 59	8 51	1 60	8 52	0
-0.0001401	-0.0004000	0.0000000	1309.4029400	1309.4030801
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2071: 52	8 44	1 53	8 45	0
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2072: 51	8 43	1 52	8 44	0
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2073: 50	8 42	1 51	8 43	0
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2074: 49	8 41	1 50	8 42	0
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2075: 47	8 39	1 48	8 40	0
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2076: 46	8 38	1 47	8 39	0
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2077: 45	8 37	1 46	8 38	0
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2078: 44 8 36 1 45 8 37 0	1313.3074400	1313.3074846
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2079: 43 8 35 1 44 8 36 0	1313.5672100	1313.5672119
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2080: 42 8 34 1 43 8 35 0	1313.8268600	1313.8268589
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2081: 41 8 33 1 42 8 34 0	1314.0861200	1314.0864241
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2082: 40 8 32 1 41 8 33 0	1314.3459400	1314.3459058
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2083: 39 8 31 1 40 8 32 0	1314.6054800	1314.6053025
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2084: 37 8 29 1 38 8 30 0	1315.1238300	1315.1238348
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2085: 36 8 28 1 37 8 29 0	1315.3827800	1315.3829673
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2086: 35 8 27 1 36 8 28 0	1315.6419100	1315.6420087
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2087: 34 8 26 1 35 8 27 0	1315.9011000	1315.9009577
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2088: 33 8 25 1 34 8 26 0	1316.1599000	1316.1598127
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2089: 32 8 24 1 33 8 25 0	1316.4185000	1316.4185723
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2090: 31 8 23 1 32 8 24 0	1316.6774000	1316.6772351
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2091: 30 8 22 1 31 8 23 0	1316.9363100	1316.9357998
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2092: 29 8 21 1 30 8 22 0	1317.1947700	1317.1942651
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2093: 27 8 19 1 28 8 20 0	1317.7108200	1317.7108917
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2094: 26 8 18 1 27 8 19 0	1317.9691600	1317.9690505
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2095: 25 8 17 1 26 8 18 0	1318.2269300	1318.2271047
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2096: 24 8 16 1 25 8 17 0	1318.4850700	1318.4850530
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2097: 23 8 15 1 24 8 16 0	1318.7427800	1318.7428941
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2100: 19 8 11 1 20 8 12 0	1319.7732700	1319.7731640
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2101: 18 8 10 1 19 8 11 0	1320.0304600	1320.0304522
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2102: 17 8 9 1 18 8 10 0	1320.2871500	1320.2876264
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2103: 16 8 8 1 17 8 9 0	1320.5447100	1320.5446857
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2104: 15 8 7 1 16 8 8 0	1320.8016000	1320.8016291
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2105: 14 8 6 1 15 8 7 0	1321.0586800	1321.0584554
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2106: 13 8 5 1 14 8 6 0	1321.3151000	1321.3151638
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2107: 12 8 4 1 13 8 5 0	1321.5717300	1321.5717533
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2108: 10 8 2 1 11 8 3 0	1322.0846000	1322.0845720
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2111:	11	8 3 1 10 8 2 0	1327.6918100	1327.6921538
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2113:	13	8 5 1 12 8 4 0	1328.1986300	1328.1987632
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2114:	15	8 7 1 14 8 6 0	1328.7043800	1328.7048268
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2115:	16	8 8 1 15 8 7 0	1328.9576900	1328.9576529
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2116:	17	8 9 1 16 8 8 0	1329.2102700	1329.2103414
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2117:	18	8 10 1 17 8 9 0	1329.4630600	1329.4628919
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2118:	19	8 11 1 18 8 10 0	1329.7153000	1329.7153042
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2119:	20	8 12 1 19 8 11 0	1329.9677700	1329.9675778
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2120:	21	8 13 1 20 8 12 0	1330.2200000	1330.2197126
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2121:	22	8 14 1 21 8 13 0	1330.4716800	1330.4717081
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2122:	23	8 15 1 22 8 14 0	1330.7235000	1330.7235641
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2123:	24	8 16 1 23 8 15 0	1330.9750500	1330.9752804
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2124:	27	8 19 1 26 8 18 0	1331.7296300	1331.7295882
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2125:	28	8 20 1 27 8 19 0	1331.9806300	1331.9807431
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2126:	29	8 21 1 28 8 20 0	1332.2315500	1332.2317570
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2127:	30	8 22 1 29 8 21 0	1332.4825300	1332.4826298
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2128:	31	8 23 1 30 8 22 0	1332.7332900	1332.7333613
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2129:	32	8 24 1 31 8 23 0	1332.9839800	1332.9839514
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2130:	33	8 25 1 32 8 24 0	1333.2349500	1333.2343998
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2131:	35	8 27 1 34 8 26 0	1333.7349600	1333.7348713
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2132:	36	8 28 1 35 8 27 0	1333.9847500	1333.9848941
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2133:	38	8 30 1 37 8 29 0	1334.4845400	1334.4845132
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2134:	39	8 31 1 38 8 30 0	1334.7342800	1334.7341094
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2135:	40	8 32 1 39 8 31 0	1334.9838600	1334.9835632
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2136:	41	8 33 1 40 8 32 0	1335.2329100	1335.2328747
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2137:	42	8 34 1 41 8 33 0	1335.4818400	1335.4820437
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2138:	43	8 35 1 42 8 34 0	1335.7311300	1335.7310702
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2139:	44	8 36 1 43 8 35 0	1335.9800200	1335.9799543
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2140:	45	8 37 1 44 8 36 0	1336.2287200	1336.2286960
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2141:	46	8 38 1 45 8 37 0	1336.4772700	1336.4772953
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2142:	47	8 39 1 46 8 38 0	1336.7257500	1336.7257523
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2143: 48 8 40 1 47 8 39 0	1336.9740500	1336.9740671
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2144: 49 8 41 1 48 8 40 0	1337.2223800	1337.2222398
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2145: 50 8 42 1 49 8 41 0	1337.4701900	1337.4702706
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2146: 51 8 43 1 50 8 42 0	1337.7178300	1337.7181595
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2147: 52 8 44 1 51 8 43 0	1337.9658400	1337.9659069
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2148: 53 8 45 1 52 8 44 0	1338.2134100	1338.2135131
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2149: 55 8 47 1 54 8 46 0	1338.7082800	1338.7083026
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2150: 56 8 48 1 55 8 47 0	1338.9554900	1338.9554868
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2151: 57 8 49 1 56 8 48 0	1339.2022100	1339.2025311
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2152: 58 8 50 1 57 8 49 0	1339.4495000	1339.4494362
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2153: 59 8 51 1 58 8 50 0	1339.6960900	1339.6962026
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2154: 60 8 52 1 59 8 51 0	1339.9426000	1339.9428310
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2155: 61 8 53 1 60 8 52 0	1340.1896000	1340.1893222
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2156: 64 8 56 1 63 8 55 0	1340.9277900	1340.9279822
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2157: 65 8 57 1 64 8 56 0	1341.1739900	1341.1739348
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2158: 66 8 58 1 65 8 57 0	1341.4196400	1341.4197562
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2159: 67 8 59 1 66 8 58 0	1341.6651100	1341.6654479
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2160: 68 8 60 1 67 8 59 0	1341.9106800	1341.9110119
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2162: 71 8 63 1 70 8 62 0	1342.6467100	1342.6469612
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2163: 68 8 61 1 69 8 62 0	1307.0544900	1307.0544925
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2164: 67 8 60 1 68 8 61 0	1307.3158700	1307.3156094
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2165: 66 8 59 1 67 8 60 0	1307.5762900	1307.5766912
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2166: 65 8 58 1 66 8 59 0	1307.8381600	1307.8377358
0.0004242 -0.0004000 0.0000000		
2167: 64 8 57 1 65 8 58 0	1308.0993700	1308.0987410
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2168: 60 8 53 1 61 8 54 0	1309.1418800	1309.1423246
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2169: 59 8 52 1 60 8 53 0	1309.4029400	1309.4031010
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2171: 57 8 50 1 58 8 51 0	1309.9248900	1309.9244964
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2172: 56 8 49 1 57 8 50 0	1310.1848800	1310.1851116
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2178: 47	8 40 1 48	8 41 0	1312.5279000	1312.5278384
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2183: 42	8 35 1 43	8 36 0	1313.8268600	1313.8268591
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2184: 41	8 34 1 42	8 35 0	1314.0861200	1314.0864242
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2185: 40	8 33 1 41	8 34 0	1314.3459400	1314.3459059
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2186: 39	8 32 1 40	8 33 0	1314.6054800	1314.6053026
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2187: 37	8 30 1 38	8 31 0	1315.1238300	1315.1238348
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2188: 36	8 29 1 37	8 30 0	1315.3827800	1315.3829673
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2189: 35	8 28 1 36	8 29 0	1315.6419100	1315.6420087
-0.0000987	-0.0004000	0.0000000		
2190: 34	8 27 1 35	8 28 0	1315.9011000	1315.9009577
0.0001423	-0.0004000	0.0000000		
2191: 33	8 26 1 34	8 27 0	1316.1599000	1316.1598127
0.0000873	-0.0004000	0.0000000		
2192: 32	8 25 1 33	8 26 0	1316.4185000	1316.4185723
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2193: 31	8 24 1 32	8 25 0	1316.6774000	1316.6772351
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2194: 30	8 23 1 31	8 24 0	1316.9363100	1316.9357998
0.0005102	-0.0004000	0.0000000		
2195: 29	8 22 1 30	8 23 0	1317.1947700	1317.1942651
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2196: 27	8 20 1 28	8 21 0	1317.7108200	1317.7108917
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2197: 26	8 19 1 27	8 20 0	1317.9691600	1317.9690505
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2198: 25	8 18 1 26	8 19 0	1318.2269300	1318.2271047
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0.0001231	-0.0004000	0.0000000		
2202: 21	8 14 1 22	8 15 0	1319.2581500	1319.2582503
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2203: 19	8 12 1 20	8 13 0	1319.7732700	1319.7731640
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2204: 18	8 11 1 19	8 12 0	1320.0304600	1320.0304522
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2206: 16	8 9 1 17	8 10 0	1320.5447100	1320.5446857
0.0000243	-0.0004000	0.0000000		
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2208:	14	8	7	1	15	8	8	0	1321.0586800	1321.0584554
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2211:	10	8	3	1	11	8	4	0	1322.0846000	1322.0845720
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2214:	11	8	4	1	10	8	3	0	1327.6918100	1327.6921538
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2215:	12	8	5	1	11	8	4	0	1327.9453700	1327.9455265
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2216:	13	8	6	1	12	8	5	0	1328.1986300	1328.1987632
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2217:	15	8	8	1	14	8	7	0	1328.7043800	1328.7048268
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2218:	16	8	9	1	15	8	8	0	1328.9576900	1328.9576529
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2397: 72	9 64 1 73	9 65 0	1305.8394800	1305.8397667
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2407: 60 9 52 1 61 9 53 0	1308.9684700	1308.9686449
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2409: 57 9 49 1 58 9 50 0	1309.7499900	1309.7500186
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2411: 55 9 47 1 56 9 48 0	1310.2704800	1310.2706928
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2412: 53 9 45 1 54 9 46 0	1310.7908900	1310.7911567
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2413: 52 9 44 1 53 9 45 0	1311.0512900	1311.0513053
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2414: 51 9 43 1 52 9 44 0	1311.3119200	1311.3113960
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2419: 46 9 38 1 47 9 39 0	1312.6109700	1312.6109184
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2421: 44 9 36 1 45 9 37 0	1313.1304700	1313.1302609
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2422: 43 9 35 1 44 9 36 0	1313.3898600	1313.3898255
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2425: 40 9 32 1 41 9 33 0	1314.1684000	1314.1680726
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0.0001242	-0.0004000	0.0000000		
2436: 28	9 20 1 29 9 21 0		1317.2735500	1317.2736057
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2439: 25	9 17 1 26 9 18 0		1318.0481100	1318.0479228
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2440: 24	9 16 1 25 9 17 0		1318.3057200	1318.3058297
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2441: 23	9 15 1 24 9 16 0		1318.5638900	1318.5636350
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2443: 21	9 13 1 22 9 14 0		1319.0788800	1319.0789354
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2445: 17	9 9 1 18 9 10 0		1320.1086900	1320.1082595
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0.0002727	-0.0004000	0.0000000		
2447: 15	9 7 1 16 9 8 0		1320.6222700	1320.6222634
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2448: 14	9 6 1 15 9 7 0		1320.8790800	1320.8790967
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2450: 12	9 4 1 13 9 5 0		1321.3925700	1321.3924198
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2458: 17	9 9 1 16 9 8 0		1329.0319500	1329.0319415
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2459: 18	9 10 1 17 9 9 0		1329.2842100	1329.2844909
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2460: 19	9 11 1 18 9 10 0		1329.5370900	1329.5368964
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2461: 20	9 12 1 19 9 11 0		1329.7891900	1329.7891572
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2463: 22	9 14 1 21 9 13 0		1330.2931800	1330.2932418
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2470:	31	9	23	1	30	9	22	0	1332.5542600	1332.5542820
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2471:	32	9	24	1	31	9	23	0	1332.8046100	1332.8047543
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2472:	33	9	25	1	32	9	24	0	1333.0552000	1333.0550734
0.0001266	-0.0004000	0.0000000								
2473:	34	9	26	1	33	9	25	0	1333.3056800	1333.3052388
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2474:	35	9	27	1	34	9	26	0	1333.5551100	1333.5552498
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2475:	37	9	29	1	36	9	28	0	1334.0548700	1334.0548064
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2476:	38	9	30	1	37	9	29	0	1334.3043000	1334.3043508
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2477:	39	9	31	1	38	9	30	0	1334.5535300	1334.5537385
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2478:	40	9	32	1	39	9	31	0	1334.8029600	1334.8029690
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2479:	41	9	33	1	40	9	32	0	1335.0519700	1335.0520415
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2480:	42	9	34	1	41	9	33	0	1335.3006700	1335.3009557
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2481:	43	9	35	1	42	9	34	0	1335.5490700	1335.5497109
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2482:	44	9	36	1	43	9	35	0	1335.7975100	1335.7983067
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2483:	45	9	37	1	44	9	36	0	1336.0468000	1336.0467423
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2484:	46	9	38	1	45	9	37	0	1336.2949300	1336.2950174
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2485:	50	9	42	1	49	9	41	0	1337.2865600	1337.2865014
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2486:	51	9	43	1	50	9	42	0	1337.5341900	1337.5339657
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2487:	52	9	44	1	51	9	43	0	1337.7815400	1337.7812663
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2488:	53	9	45	1	52	9	44	0	1338.0281200	1338.0284028
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2489:	55	9	47	1	54	9	46	0	1338.5220100	1338.5221814
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2492:	58	9	50	1	57	9	49	0	1339.2613000	1339.2616065
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2493:	59	9	51	1	58	9	50	0	1339.5072600	1339.5077483
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2494:	60	9	52	1	59	9	51	0	1339.7536900	1339.7537228
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2495:	62	9	54	1	61	9	53	0	1340.2451700	1340.2451683
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2496:	63	9	55	1	62	9	54	0	1340.4904300	1340.4906385
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2497:	64	9	56	1	63	9	55	0	1340.7363700	1340.7359399
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2499:	66	9	58	1	65	9	57	0	1341.2265400	1341.2260345
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2503: 70	9 62 1 69 9 61 0		1342.2042100	1342.2041823
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2504: 71	9 63 1 70 9 62 0		1342.4483600	1342.4482922
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2519: 72	10 62 1 73 10 63 0		1305.6456500	1305.6455523
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2531: 51	10 41 1 52 10 42 0		1311.1130200	1311.1132306
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2535:	46	10	36	1	47	10	37	0	1312.4118200	1312.4121139
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2536:	43	10	33	1	44	10	34	0	1313.1910200	1313.1906964
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2537:	41	10	31	1	42	10	32	0	1313.7097500	1313.7094119
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2538:	40	10	30	1	41	10	31	0	1313.9686000	1313.9686628
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2539:	39	10	29	1	40	10	30	0	1314.2281500	1314.2278405
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2540:	38	10	28	1	39	10	29	0	1314.4868400	1314.4869432
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2541:	37	10	27	1	38	10	28	0	1314.7459700	1314.7459693
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2542:	36	10	26	1	37	10	27	0	1315.0053300	1315.0049172
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2543:	31	10	21	1	32	10	22	0	1316.2985900	1316.2984303
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2544:	30	10	20	1	31	10	21	0	1316.5569600	1316.5568768
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2545:	29	10	19	1	30	10	20	0	1316.8148900	1316.8152344
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2546:	28	10	18	1	29	10	19	0	1317.0735300	1317.0735016
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2547:	27	10	17	1	28	10	18	0	1317.3321400	1317.3316770
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2548:	26	10	16	1	27	10	17	0	1317.5900700	1317.5897590
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2549:	25	10	15	1	26	10	16	0	1317.8474600	1317.8477462
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2550:	24	10	14	1	25	10	15	0	1318.1054200	1318.1056373
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2551:	23	10	13	1	24	10	14	0	1318.3631400	1318.3634307
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2552:	22	10	12	1	23	10	13	0	1318.6211800	1318.6211251
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2554:	17	10	7	1	18	10	8	0	1319.9084700	1319.9080628
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2555:	16	10	6	1	17	10	7	0	1320.1653200	1320.1651341
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2556:	15	10	5	1	16	10	6	0	1320.4223300	1320.4220968
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2557:	13	10	3	1	14	10	4	0	1320.9358600	1320.9356912
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2558:	12	10	2	1	13	10	3	0	1321.1924100	1321.1923205
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2559:	11	10	1	1	12	10	2	0	1321.4489700	1321.4488360
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2560:	13	10	3	1	12	10	2	0	1327.8214200	1327.8212835
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2561:	14	10	4	1	13	10	3	0	1328.0743700	1328.0744330
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2562:	16	10	6	1	15	10	5	0	1328.5806600	1328.5802991
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2563:	17	10	7	1	16	10	6	0	1328.8332600	1328.8330137
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2564:	18	10	8	1	17	10	7	0	1329.0856900	1329.0855813
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2565:	19	10	9	1	18	10	8	0	1329.3379800	1329.3380010



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2566:	20	10	10	1 19 10 9 0
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2567:	22	10	12	1 21 10 11 0
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2568:	23	10	13	1 22 10 12 0
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2570:	25	10	15	1 24 10 14 0
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2571:	26	10	16	1 25 10 15 0
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2572:	27	10	17	1 26 10 16 0
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2573:	28	10	18	1 27 10 17 0
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2574:	29	10	19	1 28 10 18 0
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2575:	30	10	20	1 29 10 19 0
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2576:	31	10	21	1 30 10 20 0
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2577:	34	10	24	1 33 10 23 0
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2581:	38	10	28	1 37 10 27 0
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2582:	39	10	29	1 38 10 28 0
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2583:	40	10	30	1 39 10 29 0
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2586:	44	10	34	1 43 10 33 0
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2591:	49	10	39	1 48 10 38 0
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2592:	50	10	40	1 49 10 39 0
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2593:	51	10	41	1 50 10 40 0
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2594:	52	10	42	1 51 10 41 0
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2600:	60	10	50	1	59	10	49	0	1339.5480500	1339.5482469
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2601:	62	10	52	1	61	10	51	0	1340.0388600	1340.0387895
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2604:	67	10	57	1	66	10	56	0	1341.2618200	1341.2618335
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2605:	68	10	58	1	67	10	57	0	1341.5058200	1341.5058674
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2606:	69	10	59	1	68	10	58	0	1341.7497300	1341.7497076
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2607:	70	10	60	1	69	10	59	0	1341.9933700	1341.9933534
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2608:	71	10	61	1	70	10	60	0	1342.2372700	1342.2368037
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2609:	72	10	62	1	71	10	61	0	1342.4803400	1342.4800578
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2610:	75	10	65	1	74	10	64	0	1343.2086800	1343.2086345
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2611:	76	10	66	1	75	10	65	0	1343.4510400	1343.4510955
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2612:	77	10	67	1	76	10	66	0	1343.6940100	1343.6933562
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2613:	78	10	69	1	79	10	70	0	1304.0808800	1304.0812806
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2614:	77	10	68	1	78	10	69	0	1304.3418600	1304.3420154
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2615:	76	10	67	1	77	10	68	0	1304.6025700	1304.6027438
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2616:	75	10	66	1	76	10	67	0	1304.8636300	1304.8634637
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2617:	73	10	64	1	74	10	65	0	1305.3852800	1305.3848702
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2618:	72	10	63	1	73	10	64	0	1305.6456500	1305.6455530
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2619:	71	10	62	1	72	10	63	0	1305.9057600	1305.9062195
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2620:	70	10	61	1	71	10	62	0	1306.1664300	1306.1668678
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2622:	68	10	59	1	69	10	60	0	1306.6877300	1306.6881022
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2623:	67	10	58	1	68	10	59	0	1306.9484700	1306.9486844
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2624:	66	10	57	1	67	10	58	0	1307.2095100	1307.2092409
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2625:	65	10	56	1	66	10	57	0	1307.4694400	1307.4697697
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2626:	61	10	52	1	62	10	53	0	1308.5114400	1308.5115705
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2627:	60	10	51	1	61	10	52	0	1308.7720100	1308.7719329
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2628:	53	10	44	1	54	10	45	0	1310.5935600	1310.5932811
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2629:	52	10	43	1	53	10	44	0	1310.8529000	1310.8532824
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2630:	51	10	42	1	52	10	43	0	1311.1130200	1311.1132306

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2633: 47	10 38	1 48	10 39	0 1312.1525000 1312.1524574
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2634: 46	10 37	1 47	10 38	0 1312.4118200 1312.4121139
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2635: 43	10 34	1 44	10 35	0 1313.1910200 1313.1906964
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2636: 41	10 32	1 42	10 33	0 1313.7097500 1313.7094119
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2637: 40	10 31	1 41	10 32	0 1313.9686000 1313.9686628
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2638: 39	10 30	1 40	10 31	0 1314.2281500 1314.2278405
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2639: 38	10 29	1 39	10 30	0 1314.4868400 1314.4869432
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2640: 37	10 28	1 38	10 29	0 1314.7459700 1314.7459693
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2642: 31	10 22	1 32	10 23	0 1316.2985900 1316.2984303
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2643: 30	10 21	1 31	10 22	0 1316.5569600 1316.5568768
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2644: 29	10 20	1 30	10 21	0 1316.8148900 1316.8152344
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2645: 28	10 19	1 29	10 20	0 1317.0735300 1317.0735016
0.0000284	-0.0004000	0.0000000		
2646: 27	10 18	1 28	10 19	0 1317.3321400 1317.3316770
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2647: 26	10 17	1 27	10 18	0 1317.5900700 1317.5897590
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2648: 25	10 16	1 26	10 17	0 1317.8474600 1317.8477462
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2649: 24	10 15	1 25	10 16	0 1318.1054200 1318.1056373
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2650: 23	10 14	1 24	10 15	0 1318.3631400 1318.3634307
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2651: 22	10 13	1 23	10 14	0 1318.6211800 1318.6211251
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2652: 21	10 12	1 22	10 13	0 1318.8785800 1318.8787190
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2653: 17	10 8	1 18	10 9	0 1319.9084700 1319.9080628
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2654: 16	10 7	1 17	10 8	0 1320.1653200 1320.1651341
0.0001859	-0.0004000	0.0000000		
2655: 15	10 6	1 16	10 7	0 1320.4223300 1320.4220968
0.0002332	-0.0004000	0.0000000		
2656: 13	10 4	1 14	10 5	0 1320.9358600 1320.9356912
0.0001688	-0.0004000	0.0000000		
2657: 12	10 3	1 13	10 4	0 1321.1924100 1321.1923205
0.0000895	-0.0004000	0.0000000		
2658: 11	10 2	1 12	10 3	0 1321.4489700 1321.4488360
0.0001340	-0.0004000	0.0000000		
2659: 13	10 4	1 12	10 3	0 1327.8214200 1327.8212835
0.0001365	-0.0004000	0.0000000		
2660: 14	10 5	1 13	10 4	0 1328.0743700 1328.0744330
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2661: 16	10 7	1 15	10 6	0 1328.5806600 1328.5802991
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2662: 17	10 8	1 16	10 7	0 1328.8332600 1328.8330137
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2663:	18	10	9	1	17	10	8	0	1329.0856900	1329.0855813
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2664:	19	10	10	1	18	10	9	0	1329.3379800	1329.3380010
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2665:	20	10	11	1	19	10	10	0	1329.5901800	1329.5902718
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2666:	22	10	13	1	21	10	12	0	1330.0945500	1330.0943628
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2667:	23	10	14	1	22	10	13	0	1330.3463900	1330.3461811
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2668:	24	10	15	1	23	10	14	0	1330.5975700	1330.5978466
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2669:	25	10	16	1	24	10	15	0	1330.8494300	1330.8493584
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2670:	26	10	17	1	25	10	16	0	1331.1008900	1331.1007156
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2671:	27	10	18	1	26	10	17	0	1331.3519200	1331.3519172
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2672:	28	10	19	1	27	10	18	0	1331.6030100	1331.6029622
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2673:	29	10	20	1	28	10	19	0	1331.8540100	1331.8538498
	0.0001602	-0.0004000	0.0000000							
2674:	30	10	21	1	29	10	20	0	1332.1045800	1332.1045790
	0.0000010	-0.0004000	0.0000000							
2675:	31	10	22	1	30	10	21	0	1332.3552300	1332.3551488
	0.0000812	-0.0004000	0.0000000							
2676:	34	10	25	1	33	10	24	0	1333.1061600	1333.1058931
	0.0002669	-0.0004000	0.0000000							
2677:	35	10	26	1	34	10	25	0	1333.3554500	1333.3558164
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2678:	36	10	27	1	35	10	26	0	1333.6054900	1333.6055758
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2679:	37	10	28	1	36	10	27	0	1333.8557400	1333.8551702
	0.0005698	-0.0004000	0.0000000							
2680:	38	10	29	1	37	10	28	0	1334.1048400	1334.1045989
	0.0002411	-0.0004000	0.0000000							
2681:	39	10	30	1	38	10	29	0	1334.3544500	1334.3538609
	0.0005891	-0.0004000	0.0000000							
2682:	40	10	31	1	39	10	30	0	1334.6031400	1334.6029553
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2683:	42	10	33	1	41	10	32	0	1335.1005900	1335.1006377
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2684:	43	10	34	1	42	10	33	0	1335.3491200	1335.3492238
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2685:	44	10	35	1	43	10	34	0	1335.5978800	1335.5976387
	0.0002413	-0.0004000	0.0000000							
2686:	45	10	36	1	44	10	35	0	1335.8457800	1335.8458814
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2687:	46	10	37	1	45	10	36	0	1336.0937700	1336.0939510
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2688:	47	10	38	1	46	10	37	0	1336.3416800	1336.3418467
	-0.0001667	-0.0004000	0.0000000							
2689:	48	10	39	1	47	10	38	0	1336.5894500	1336.5895675
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2690:	49	10	40	1	48	10	39	0	1336.8371300	1336.8371125
	0.0000175	-0.0004000	0.0000000							
2691:	50	10	41	1	49	10	40	0	1337.0844100	1337.0844808
	-0.0000708	-0.0004000	0.0000000							
2692:	51	10	42	1	50	10	41	0	1337.3318000	1337.3316715
	0.0001285	-0.0004000	0.0000000							
2693:	52	10	43	1	51	10	42	0	1337.5785200	1337.5786838
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2694:	53	10	44	1	52	10	43	0	1337.8254400	1337.8255166
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2695:	54	10	45	1	53	10	44	0	1338.0720600	1338.0721690

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2696:	55	10	46	1 54 10 45 0
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2697:	57	10	48	1 56 10 47 0
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2698:	59	10	50	1 58 10 49 0
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2699:	60	10	51	1 59 10 50 0
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2700:	62	10	53	1 61 10 52 0
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2701:	63	10	54	1 62 10 53 0
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2702:	66	10	57	1 65 10 56 0
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2704:	68	10	59	1 67 10 58 0
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2705:	69	10	60	1 68 10 59 0
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2706:	70	10	61	1 69 10 60 0
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2707:	71	10	62	1 70 10 61 0
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2708:	72	10	63	1 71 10 62 0
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2709:	75	10	66	1 74 10 65 0
0.0000489	-0.0004000	0.0000000	1343.2086800	1343.2086311
2710:	76	10	67	1 75 10 66 0
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2711:	77	10	68	1 76 10 67 0
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2712:	73	11	62	1 74 11 63 0
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2713:	72	11	61	1 73 11 62 0
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2714:	71	11	60	1 72 11 61 0
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2718:	66	11	55	1 67 11 56 0
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2719:	65	11	54	1 66 11 55 0
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2720:	63	11	52	1 64 11 53 0
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2721:	62	11	51	1 63 11 52 0
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2722:	61	11	50	1 62 11 51 0
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2723:	60	11	49	1 61 11 50 0
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2724:	59	11	48	1 60 11 49 0
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2725:	58	11	47	1 59 11 48 0
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2726:	56	11	45	1 57 11 46 0
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2727:	54	11	43	1 55 11 44 0
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2728:	53	11	42	1	54	11	43	0	1310.3739100	1310.3736632
0.0002468	-0.0004000	0.0000000								
2729:	52	11	41	1	53	11	42	0	1310.6335900	1310.6335674
0.0000226	-0.0004000	0.0000000								
2730:	51	11	40	1	52	11	41	0	1310.8935300	1310.8934219
0.0001081	-0.0004000	0.0000000								
2731:	50	11	39	1	51	11	40	0	1311.1531400	1311.1532252
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2732:	49	11	38	1	50	11	39	0	1311.4129400	1311.4129754
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2733:	48	11	37	1	49	11	38	0	1311.6730100	1311.6726710
0.0003390	-0.0004000	0.0000000								
2734:	47	11	36	1	48	11	37	0	1311.9326500	1311.9323101
0.0003399	-0.0004000	0.0000000								
2735:	46	11	35	1	47	11	36	0	1312.1921300	1312.1918912
0.0002388	-0.0004000	0.0000000								
2736:	45	11	34	1	46	11	35	0	1312.4514600	1312.4514124
0.0000476	-0.0004000	0.0000000								
2737:	44	11	33	1	45	11	34	0	1312.7114100	1312.7108722
0.0005378	-0.0004000	0.0000000								
2738:	43	11	32	1	44	11	33	0	1312.9705200	1312.9702689
0.0002511	-0.0004000	0.0000000								
2739:	42	11	31	1	43	11	32	0	1313.2298100	1313.2296008
0.0002092	-0.0004000	0.0000000								
2740:	41	11	30	1	42	11	31	0	1313.4888600	1313.4888663
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2741:	40	11	29	1	41	11	30	0	1313.7483500	1313.7480637
0.0002863	-0.0004000	0.0000000								
2742:	38	11	27	1	39	11	28	0	1314.2661100	1314.2662478
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2743:	37	11	26	1	38	11	27	0	1314.5252000	1314.5252313
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2744:	34	11	23	1	35	11	24	0	1315.3020900	1315.3017282
0.0003618	-0.0004000	0.0000000								
2745:	33	11	22	1	34	11	23	0	1315.5603500	1315.5604040
-0.0000540	-0.0004000	0.0000000								
2746:	32	11	21	1	33	11	22	0	1315.8192200	1315.8189990
0.0002210	-0.0004000	0.0000000								
2747:	31	11	20	1	32	11	21	0	1316.0777200	1316.0775115
0.0002085	-0.0004000	0.0000000								
2748:	30	11	19	1	31	11	20	0	1316.3360500	1316.3359401
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2749:	29	11	18	1	30	11	19	0	1316.5941200	1316.5942832
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2750:	26	11	15	1	27	11	16	0	1317.3688300	1317.3687841
0.0000459	-0.0004000	0.0000000								
2751:	24	11	13	1	25	11	14	0	1317.8849100	1317.8846626
0.0002474	-0.0004000	0.0000000								
2752:	23	11	12	1	24	11	13	0	1318.1424700	1318.1424608
0.0000092	-0.0004000	0.0000000								
2753:	20	11	9	1	21	11	10	0	1318.9154300	1318.9152733
0.0001567	-0.0004000	0.0000000								
2754:	19	11	8	1	20	11	9	0	1319.1722200	1319.1726786
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2755:	18	11	7	1	19	11	8	0	1319.4297900	1319.4299820
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2756:	17	11	6	1	18	11	7	0	1319.6870400	1319.6871822
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2757:	16	11	5	1	17	11	6	0	1319.9442900	1319.9442776
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2758:	15	11	4	1	16	11	5	0	1320.2011600	1320.2012670
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2759:	14	11	3	1	15	11	4	0	1320.4584200	1320.4581489
0.0002711	-0.0004000	0.0000000								
2760:	16	11	5	1	15	11	4	0	1328.3614300	1328.3608971

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2762:	31	11	20	1 30 11 19 0
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2763:	32	11	21	1 31 11 20 0
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2764:	33	11	22	1 32 11 21 0
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2765:	35	11	24	1 34 11 23 0
0.0000216	-0.0004000	0.0000000	1333.1364600	1333.1364384
2766:	36	11	25	1 35 11 24 0
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2767:	40	11	29	1 39 11 28 0
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2768:	41	11	30	1 40 11 29 0
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2769:	42	11	31	1 41 11 30 0
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2771:	44	11	33	1 43 11 32 0
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2772:	45	11	34	1 44 11 33 0
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2773:	46	11	35	1 45 11 34 0
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2774:	47	11	36	1 46 11 35 0
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2775:	48	11	37	1 47 11 36 0
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2776:	49	11	38	1 48 11 37 0
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2777:	52	11	41	1 51 11 40 0
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2778:	53	11	42	1 52 11 41 0
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2779:	56	11	45	1 55 11 44 0
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2780:	60	11	49	1 59 11 48 0
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2781:	61	11	50	1 60 11 49 0
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2782:	74	11	63	1 73 11 62 0
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2783:	76	11	65	1 75 11 64 0
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2785:	79	11	68	1 78 11 67 0
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2788:	82	11	71	1 81 11 70 0
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2789:	73	11	63	1 74 11 64 0
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2794: 68 11 58 1 69 11 59 0	1306.4703600	1306.4703440
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2795: 66 11 56 1 67 11 57 0	1306.9906800	1306.9911941
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2796: 65 11 55 1 66 11 56 0	1307.2511700	1307.2515829
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2797: 63 11 53 1 64 11 54 0	1307.7721900	1307.7722790
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2798: 62 11 52 1 63 11 53 0	1308.0326800	1308.0325827
0.0000973 -0.0004000 0.0000000		
2799: 61 11 51 1 62 11 52 0	1308.2929000	1308.2928543
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2800: 60 11 50 1 61 11 51 0	1308.5528800	1308.5530923
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2801: 59 11 49 1 60 11 50 0	1308.8133000	1308.8132946
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2802: 58 11 48 1 59 11 49 0	1309.0732400	1309.0734597
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2803: 56 11 46 1 57 11 47 0	1309.5933000	1309.5936707
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2804: 54 11 44 1 55 11 45 0	1310.1137900	1310.1137113
0.0000787 -0.0004000 0.0000000		
2805: 53 11 43 1 54 11 44 0	1310.3739100	1310.3736632
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2806: 52 11 42 1 53 11 43 0	1310.6335900	1310.6335674
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2807: 51 11 41 1 52 11 42 0	1310.8935300	1310.8934219
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2808: 50 11 40 1 51 11 41 0	1311.1531400	1311.1532252
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2809: 49 11 39 1 50 11 40 0	1311.4129400	1311.4129754
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2810: 48 11 38 1 49 11 39 0	1311.6730100	1311.6726710
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2812: 46 11 36 1 47 11 37 0	1312.1921300	1312.1918912
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2813: 45 11 35 1 46 11 36 0	1312.4514600	1312.4514124
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2814: 44 11 34 1 45 11 35 0	1312.7114100	1312.7108722
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2815: 43 11 33 1 44 11 34 0	1312.9705200	1312.9702689
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2816: 42 11 32 1 43 11 33 0	1313.2298100	1313.2296008
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2817: 41 11 31 1 42 11 32 0	1313.4888600	1313.4888663
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2818: 40 11 30 1 41 11 31 0	1313.7483500	1313.7480637
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2819: 38 11 28 1 39 11 29 0	1314.2661100	1314.2662478
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2820: 37 11 27 1 38 11 28 0	1314.5252000	1314.5252313
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2821: 34 11 24 1 35 11 25 0	1315.3020900	1315.3017282
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2822: 33 11 23 1 34 11 24 0	1315.5603500	1315.5604040
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2823: 32 11 22 1 33 11 23 0	1315.8192200	1315.8189990
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2824: 31 11 21 1 32 11 22 0	1316.0777200	1316.0775115
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2825: 30 11 20 1 31 11 21 0	1316.3360500	1316.3359401



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2826:	29	11	19	1	30 11 20 0
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2827:	26	11	16	1	27 11 17 0
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2828:	24	11	14	1	25 11 15 0
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2829:	23	11	13	1	24 11 14 0
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2830:	20	11	10	1	21 11 11 0
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2831:	19	11	9	1	20 11 10 0
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2832:	18	11	8	1	19 11 9 0
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2833:	17	11	7	1	18 11 8 0
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2834:	16	11	6	1	17 11 7 0
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2835:	15	11	5	1	16 11 6 0
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2836:	14	11	4	1	15 11 5 0
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2837:	16	11	6	1	15 11 5 0
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2838:	17	11	7	1	16 11 6 0
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2839:	31	11	21	1	30 11 20 0
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2840:	32	11	22	1	31 11 21 0
0.0003682	-0.0004000	0.0000000	1332.3866600	1332.3862918	
2841:	33	11	23	1	32 11 22 0
0.0001208	-0.0004000	0.0000000	1332.6366300	1332.6365092	
2842:	35	11	25	1	34 11 24 0
0.0000216	-0.0004000	0.0000000	1333.1364600	1333.1364384	
2843:	36	11	26	1	35 11 25 0
-0.0001980	-0.0004000	0.0000000	1333.3859500	1333.3861480	
2844:	40	11	30	1	39 11 29 0
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2845:	41	11	31	1	40 11 30 0
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2846:	42	11	32	1	41 11 31 0
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2847:	43	11	33	1	42 11 32 0
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2848:	44	11	34	1	43 11 33 0
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2849:	45	11	35	1	44 11 34 0
0.0002042	-0.0004000	0.0000000	1335.6258800	1335.6256758	
2850:	46	11	36	1	45 11 35 0
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2851:	47	11	37	1	46 11 36 0
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2852:	48	11	38	1	47 11 37 0
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2853:	49	11	39	1	48 11 38 0
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2854:	52	11	42	1	51 11 41 0
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2855:	53	11	43	1	52 11 42 0
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2856:	56	11	46	1	55 11 45 0
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2857:	60	11	50	1	59 11 49 0
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2859:	74	11	64	1	73	11	63	0	1342.7371500	1342.7372686
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2860:	76	11	66	1	75	11	65	0	1343.2209700	1343.2213348
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2861:	78	11	68	1	77	11	67	0	1343.7038200	1343.7045220
	-0.0007020	-0.0004000	0.0000000							
2862:	79	11	69	1	78	11	68	0	1343.9459000	1343.9457828
	0.0001172	-0.0004000	0.0000000							
2863:	80	11	70	1	79	11	69	0	1344.1869600	1344.1868200
	0.0001400	-0.0004000	0.0000000							
2864:	81	11	71	1	80	11	70	0	1344.4274000	1344.4276323
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2865:	82	11	72	1	81	11	71	0	1344.6684200	1344.6682185
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2866:	77	12	65	1	78	12	66	0	1303.8870800	1303.8870374
	0.0000426	-0.0004000	0.0000000							
2867:	76	12	64	1	77	12	65	0	1304.1477300	1304.1474808
	0.0002492	-0.0004000	0.0000000							
2868:	75	12	63	1	76	12	64	0	1304.4084500	1304.4079194
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2869:	74	12	62	1	75	12	63	0	1304.6683500	1304.6683515
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2870:	72	12	60	1	73	12	61	0	1305.1897100	1305.1891887
	0.0005213	-0.0004000	0.0000000							
2871:	70	12	58	1	71	12	59	0	1305.7099500	1305.7099783
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2872:	69	12	57	1	70	12	58	0	1305.9707300	1305.9703507
	0.0003793	-0.0004000	0.0000000							
2873:	68	12	56	1	69	12	57	0	1306.2308200	1306.2307059
	0.0001141	-0.0004000	0.0000000							
2874:	67	12	55	1	68	12	56	0	1306.4910800	1306.4910421
	0.0000379	-0.0004000	0.0000000							
2875:	66	12	54	1	67	12	55	0	1306.7516300	1306.7513574
	0.0002726	-0.0004000	0.0000000							
2876:	65	12	53	1	66	12	54	0	1307.0112900	1307.0116502
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2877:	64	12	52	1	65	12	53	0	1307.2716900	1307.2719187
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2878:	63	12	51	1	64	12	52	0	1307.5318300	1307.5321611
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2879:	62	12	50	1	63	12	51	0	1307.7924000	1307.7923757
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2880:	61	12	49	1	62	12	50	0	1308.0521900	1308.0525607
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2881:	60	12	48	1	61	12	49	0	1308.3126500	1308.3127144
	-0.0000644	-0.0004000	0.0000000							
2882:	59	12	47	1	60	12	48	0	1308.5728900	1308.5728351
	0.0000549	-0.0004000	0.0000000							
2883:	57	12	45	1	58	12	46	0	1309.0928100	1309.0929702
	-0.0001602	-0.0004000	0.0000000							
2884:	56	12	44	1	57	12	45	0	1309.3526600	1309.3529812
	-0.0003212	-0.0004000	0.0000000							
2885:	55	12	43	1	56	12	44	0	1309.6125300	1309.6129523
	-0.0004223	-0.0004000	0.0000000							
2886:	54	12	42	1	55	12	43	0	1309.8724800	1309.8728817
	-0.0004017	-0.0004000	0.0000000							
2887:	53	12	41	1	54	12	42	0	1310.1321400	1310.1327677
	-0.0006277	-0.0004000	0.0000000							
2888:	52	12	40	1	53	12	41	0	1310.3920600	1310.3926085
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2889:	51	12	39	1	52	12	40	0	1310.6519400	1310.6524026
	-0.0004626	-0.0004000	0.0000000							
2890:	50	12	38	1	51	12	39	0	1310.9122200	1310.9121481

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2891: 49	12 37 1 50 12 38 0		1311.1720700	1311.1718434
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2892: 46	12 34 1 47 12 35 0		1311.9507400	1311.9506112
0.0001288	-0.0004000	0.0000000		
2893: 45	12 33 1 46 12 34 0		1312.2095800	1312.2100889
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2894: 44	12 32 1 45 12 33 0		1312.4692900	1312.4695080
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2895: 43	12 31 1 44 12 32 0		1312.7283600	1312.7288668
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2896: 41	12 29 1 42 12 30 0		1313.2471900	1313.2473971
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2897: 39	12 27 1 40 12 28 0		1313.7658000	1313.7656667
0.0001333	-0.0004000	0.0000000		
2898: 38	12 26 1 39 12 27 0		1314.0249400	1314.0246996
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2899: 33	12 21 1 34 12 22 0		1315.3188200	1315.3187809
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2900: 31	12 19 1 32 12 20 0		1315.8354300	1315.8358780
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2901: 30	12 18 1 31 12 19 0		1316.0940200	1316.0943055
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2902: 29	12 17 1 30 12 18 0		1316.3519400	1316.3526501
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2903: 28	12 16 1 29 12 17 0		1316.6108300	1316.6109104
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2904: 25	12 13 1 26 12 14 0		1317.3848500	1317.3851693
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2905: 23	12 11 1 24 12 12 0		1317.9007000	1317.9008916
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2906: 22	12 10 1 23 12 11 0		1318.1586300	1318.1586131
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2907: 21	12 9 1 22 12 10 0		1318.4161200	1318.4162394
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2908: 20	12 8 1 21 12 9 0		1318.6738100	1318.6737691
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2909: 19	12 7 1 20 12 8 0		1318.9311100	1318.9312006
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2910: 18	12 6 1 19 12 7 0		1319.1888600	1319.1885324
0.0003276	-0.0004000	0.0000000		
2911: 17	12 5 1 18 12 6 0		1319.4455900	1319.4457631
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2912: 14	12 2 1 13 12 1 0		1327.6152100	1327.6151166
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2913: 15	12 3 1 14 12 2 0		1327.8685200	1327.8682098
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2914: 18	12 6 1 17 12 5 0		1328.6267500	1328.6265919
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2915: 19	12 7 1 18 12 6 0		1328.8787700	1328.8790824
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2916: 20	12 8 1 19 12 7 0		1329.1315100	1329.1314190
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2917: 21	12 9 1 20 12 8 0		1329.3833700	1329.3836002
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2918: 22	12 10 1 21 12 9 0		1329.6355700	1329.6356249
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2919: 23	12 11 1 22 12 10 0		1329.8874600	1329.8874916
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2920: 24	12 12 1 23 12 11 0		1330.1392900	1330.1391990
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2921: 25	12 13 1 24 12 12 0		1330.3909000	1330.3907459
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2922: 26	12 14 1 25 12 13 0		1330.6423400	1330.6421308
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2923:	28	12	16	1	27	12	15	0	1331.1446600	1331.1444097
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2924:	29	12	17	1	28	12	16	0	1331.3951800	1331.3953011
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2925:	30	12	18	1	29	12	17	0	1331.6459200	1331.6460252
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2926:	43	12	31	1	42	12	30	0	1334.8900200	1334.8896219
	0.0003981	-0.0004000	0.0000000							
2927:	44	12	32	1	43	12	31	0	1335.1376400	1335.1378660
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2928:	45	12	33	1	44	12	32	0	1335.3858300	1335.3859228
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2929:	46	12	34	1	45	12	33	0	1335.6340400	1335.6337910
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2930:	47	12	35	1	46	12	34	0	1335.8814700	1335.8814694
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2931:	48	12	36	1	47	12	35	0	1336.1292000	1336.1289564
	0.0002436	-0.0004000	0.0000000							
2932:	50	12	38	1	49	12	37	0	1336.6235000	1336.6233511
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2933:	52	12	40	1	51	12	39	0	1337.1166900	1337.1169640
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2934:	53	12	41	1	52	12	40	0	1337.3637100	1337.3634739
	0.0002361	-0.0004000	0.0000000							
2935:	54	12	42	1	53	12	41	0	1337.6098800	1337.6097842
	0.0000958	-0.0004000	0.0000000							
2936:	56	12	44	1	55	12	43	0	1338.1016000	1338.1018005
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2937:	57	12	45	1	56	12	44	0	1338.3476700	1338.3475036
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2938:	58	12	46	1	57	12	45	0	1338.5928600	1338.5930015
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2939:	60	12	48	1	59	12	47	0	1339.0840000	1339.0833759
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2940:	61	12	49	1	60	12	48	0	1339.3287900	1339.3282496
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2941:	75	12	63	1	74	12	62	0	1342.7339800	1342.7336645
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2942:	76	12	64	1	75	12	63	0	1342.9752200	1342.9752190
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2943:	78	12	66	1	77	12	65	0	1343.4577200	1343.4576266
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2945:	80	12	68	1	79	12	67	0	1343.9391400	1343.9390882
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2946:	77	12	66	1	78	12	67	0	1303.8870800	1303.8870374
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2947:	76	12	65	1	77	12	66	0	1304.1477300	1304.1474808
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2950:	72	12	61	1	73	12	62	0	1305.1897100	1305.1891887
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2953:	68	12	57	1	69	12	58	0	1306.2308200	1306.2307059
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2960: 61	12 50	1 62	12 51	0 1308.0521900 1308.0525607
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2961: 60	12 49	1 61	12 50	0 1308.3126500 1308.3127144
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2962: 59	12 48	1 60	12 49	0 1308.5728900 1308.5728351
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2963: 57	12 46	1 58	12 47	0 1309.0928100 1309.0929702
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2964: 56	12 45	1 57	12 46	0 1309.3526600 1309.3529812
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2965: 55	12 44	1 56	12 45	0 1309.6125300 1309.6129523
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2966: 54	12 43	1 55	12 44	0 1309.8724800 1309.8728817
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2967: 53	12 42	1 54	12 43	0 1310.1321400 1310.1327677
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2968: 52	12 41	1 53	12 42	0 1310.3920600 1310.3926085
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2969: 51	12 40	1 52	12 41	0 1310.6519400 1310.6524026
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2971: 49	12 38	1 50	12 39	0 1311.1720700 1311.1718434
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2972: 46	12 35	1 47	12 36	0 1311.9507400 1311.9506112
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2973: 45	12 34	1 46	12 35	0 1312.2095800 1312.2100889
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2975: 43	12 32	1 44	12 33	0 1312.7283600 1312.7288668
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2977: 39	12 28	1 40	12 29	0 1313.7658000 1313.7656667
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2979: 33	12 22	1 34	12 23	0 1315.3188200 1315.3187809
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2981: 30	12 19	1 31	12 20	0 1316.0940200 1316.0943055
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2982: 29	12 18	1 30	12 19	0 1316.3519400 1316.3526501
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2983: 28	12 17	1 29	12 18	0 1316.6108300 1316.6109104
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2984: 25	12 14	1 26	12 15	0 1317.3848500 1317.3851693
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2986: 22	12 11	1 23	12 12	0 1318.1586300 1318.1586131
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2987: 21	12 10	1 22	12 11	0 1318.4161200 1318.4162394
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2997:	21	12	10	1	20	12	9	0	1329.3833700	1329.3836002
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3001:	25	12	14	1	24	12	13	0	1330.3909000	1330.3907459
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3002:	26	12	15	1	25	12	14	0	1330.6423400	1330.6421308
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3003:	28	12	17	1	27	12	16	0	1331.1446600	1331.1444097
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3005:	30	12	19	1	29	12	18	0	1331.6459200	1331.6460252
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3006:	43	12	32	1	42	12	31	0	1334.8900200	1334.8896219
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3011:	48	12	37	1	47	12	36	0	1336.1292000	1336.1289564
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3012:	50	12	39	1	49	12	38	0	1336.6235000	1336.6233511
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3013:	52	12	41	1	51	12	40	0	1337.1166900	1337.1169640
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3014:	53	12	42	1	52	12	41	0	1337.3637100	1337.3634739
0.0002361	-0.0004000	0.0000000								
3015:	54	12	43	1	53	12	42	0	1337.6098800	1337.6097842
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3016:	56	12	45	1	55	12	44	0	1338.1016000	1338.1018005
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3017:	57	12	46	1	56	12	45	0	1338.3476700	1338.3475036
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3018:	58	12	47	1	57	12	46	0	1338.5928600	1338.5930015
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3029: 82	13 69	1 83 13 70	0	1302.3254200 1302.3249411
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3030: 78	13 65	1 79 13 66	0	1303.3667200 1303.3663779
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3036: 69	13 56	1 70 13 57	0	1305.7097500 1305.7094355
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3040: 64	13 51	1 65 13 52	0	1307.0106800 1307.0106669
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3041: 63	13 50	1 64 13 51	0	1307.2708900 1307.2708474
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3055:	44	13	31	1	45	13	32	0	1312.2078400	1312.2074125
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3056:	40	13	27	1	41	13	28	0	1313.2440000	1313.2444092
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3057:	39	13	26	1	40	13	27	0	1313.5033500	1313.5035013
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3058:	38	13	25	1	39	13	26	0	1313.7622800	1313.7625272
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3059:	37	13	24	1	38	13	25	0	1314.0213100	1314.0214855
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3061:	32	13	19	1	33	13	20	0	1315.3147400	1315.3152037
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3064:	28	13	15	1	29	13	16	0	1316.3482700	1316.3487945
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3096:	48	13	35	1 47 13 34 0
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3097:	49	13	36	1 48 13 35 0
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3105:	62	13	49	1 61 13 48 0
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3106:	63	13	50	1 62 13 49 0
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3123:	85	13	73	1	86	13	74	0	1301.5438700	1301.5439289
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3127:	76	13	64	1	77	13	65	0	1303.8873000	1303.8871025
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3128:	75	13	63	1	76	13	64	0	1304.1473200	1304.1474603
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3129:	74	13	62	1	75	13	63	0	1304.4083400	1304.4078128
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3130:	73	13	61	1	74	13	62	0	1304.6682700	1304.6681583
0.0001117	-0.0004000	0.0000000								
3131:	71	13	59	1	72	13	60	0	1305.1897200	1305.1888213
0.0008987	-0.0004000	0.0000000								
3132:	69	13	57	1	70	13	58	0	1305.7097500	1305.7094355
0.0003145	-0.0004000	0.0000000								
3133:	68	13	56	1	69	13	57	0	1305.9707500	1305.9697199
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3136:	64	13	52	1	65	13	53	0	1307.0106800	1307.0106669
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3137:	63	13	51	1	64	13	52	0	1307.2708900	1307.2708474
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3138:	62	13	50	1	63	13	51	0	1307.5310600	1307.5310019
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3143:	54	13	42	1	55	13	43	0	1309.6114800	1309.6110997
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3144:	53	13	41	1	54	13	42	0	1309.8715100	1309.8709442
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3145:	52	13	40	1	53	13	41	0	1310.1309800	1310.1307457
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3146:	51	13	39	1	52	13	40	0	1310.3912700	1310.3905027
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3147:	50	13	38	1	51	13	39	0	1310.6506900	1310.6502134
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3148:	49	13	37	1	50	13	38	0	1310.9101400	1310.9098762
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3152: 40	13 28 1 41	13 29 0	1313.2440000	1313.2444092
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3154: 38	13 26 1 39	13 27 0	1313.7622800	1313.7625272
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3155: 37	13 25 1 38	13 26 0	1314.0213100	1314.0214855
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3156: 34	13 22 1 35	13 23 0	1314.7976300	1314.7979374
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3157: 32	13 20 1 33	13 21 0	1315.3147400	1315.3152037
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3158: 31	13 19 1 32	13 20 0	1315.5734900	1315.5737215
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3159: 29	13 17 1 30	13 18 0	1316.0905300	1316.0905185
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3171: 15	13 3 1 16	13 4 0	1319.6983900	1319.6981872
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3174: 17	13 5 1 16	13 4 0	1328.1141000	1328.1140436
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3178: 24	13 12 1 23	13 11 0	1329.8790800	1329.8796261
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3181: 27	13 15 1 26	13 14 0	1330.6331800	1330.6338930
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3189:	43	13	31	1	42	13	30	0	1334.6305300	1334.6303034
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3190:	44	13	32	1	43	13	31	0	1334.8783500	1334.8785227
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3192:	48	13	36	1	47	13	35	0	1335.8697100	1335.8694648
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3193:	49	13	37	1	48	13	36	0	1336.1169200	1336.1167090
0.0002110	-0.0004000	0.0000000								
3194:	50	13	38	1	49	13	37	0	1336.3638300	1336.3637536
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3195:	53	13	41	1	52	13	40	0	1337.1034400	1337.1036748
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3197:	57	13	45	1	56	13	44	0	1338.0876700	1338.0873491
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3198:	59	13	47	1	58	13	46	0	1338.5779900	1338.5779207
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3199:	60	13	48	1	59	13	47	0	1338.8229500	1338.8228846
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3200:	61	13	49	1	60	13	48	0	1339.0678500	1339.0676318
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3201:	62	13	50	1	61	13	49	0	1339.3123000	1339.3121606
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3203:	65	13	53	1	64	13	52	0	1340.0440100	1340.0444211
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3204:	66	13	54	1	65	13	53	0	1340.2881700	1340.2880605
0.0001095	-0.0004000	0.0000000								
3205:	68	13	56	1	67	13	55	0	1340.7747000	1340.7746582
0.0000418	-0.0004000	0.0000000								
3206:	69	13	57	1	68	13	56	0	1341.0175900	1341.0176133
-0.0000233	-0.0004000	0.0000000								
3207:	70	13	58	1	69	13	57	0	1341.2601600	1341.2603370
-0.0001770	-0.0004000	0.0000000								
3208:	71	13	59	1	70	13	58	0	1341.5027900	1341.5028275
-0.0000375	-0.0004000	0.0000000								
3209:	73	13	61	1	72	13	60	0	1341.9865500	1341.9871027
-0.0005527	-0.0004000	0.0000000								
3210:	74	13	62	1	73	13	61	0	1342.2281200	1342.2288838
-0.0007638	-0.0004000	0.0000000								
3211:	75	13	63	1	74	13	62	0	1342.4708900	1342.4704251
0.0004649	-0.0004000	0.0000000								
3212:	76	13	64	1	75	13	63	0	1342.7120800	1342.7117248
0.0003552	-0.0004000	0.0000000								
3213:	77	13	65	1	76	13	64	0	1342.9523900	1342.9527811
-0.0003911	-0.0004000	0.0000000								
3214:	78	13	66	1	77	13	65	0	1343.1931000	1343.1935924
-0.0004924	-0.0004000	0.0000000								
3215:	81	13	69	1	80	13	68	0	1343.9147300	1343.9145384

0.0001916	-0.0004000	0.0000000		
3216:	82	13 70	1 81 13 69	0
-0.0000118	-0.0004000	0.0000000	1344.1543400	1344.1543518
3217:	84	13 72	1 83 13 71	0
0.0004247	-0.0004000	0.0000000	1344.6336400	1344.6332153
3218:	80	14 66	1 81 14 67	0
-0.0004584	-0.0004000	0.0000000	1302.5639200	1302.5643784
3219:	79	14 65	1 80 14 66	0
0.0001501	-0.0004000	0.0000000	1302.8248300	1302.8246799
3220:	77	14 63	1 78 14 64	0
-0.0000987	-0.0004000	0.0000000	1303.3451900	1303.3452887
3221:	76	14 62	1 77 14 63	0
-0.0002526	-0.0004000	0.0000000	1303.6053400	1303.6055926
3222:	75	14 61	1 76 14 62	0
-0.0008040	-0.0004000	0.0000000	1303.8650900	1303.8658940
3223:	73	14 59	1 74 14 60	0
-0.0006922	-0.0004000	0.0000000	1304.3857900	1304.3864822
3224:	70	14 56	1 71 14 57	0
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3225:	68	14 54	1 69 14 55	0
0.0002994	-0.0004000	0.0000000	1305.6880900	1305.6877906
3226:	67	14 53	1 68 14 54	0
0.0001990	-0.0004000	0.0000000	1305.9482100	1305.9480110
3227:	66	14 52	1 67 14 53	0
-0.0002838	-0.0004000	0.0000000	1306.2079300	1306.2082138
3228:	61	14 47	1 62 14 48	0
-0.0004241	-0.0004000	0.0000000	1307.5084800	1307.5089041
3229:	60	14 46	1 61 14 47	0
-0.0006457	-0.0004000	0.0000000	1307.7683200	1307.7689657
3230:	59	14 45	1 60 14 46	0
-0.0006279	-0.0004000	0.0000000	1308.0283700	1308.0289979
3231:	58	14 44	1 59 14 45	0
-0.0002991	-0.0004000	0.0000000	1308.2887000	1308.2889991
3232:	57	14 43	1 58 14 44	0
-0.0005575	-0.0004000	0.0000000	1308.5484100	1308.5489675
3233:	56	14 42	1 57 14 43	0
0.0002584	-0.0004000	0.0000000	1308.8091600	1308.8089016
3234:	55	14 41	1 56 14 42	0
0.0001504	-0.0004000	0.0000000	1309.0689500	1309.0687996
3235:	54	14 40	1 55 14 41	0
-0.0001198	-0.0004000	0.0000000	1309.3285400	1309.3286598
3236:	53	14 39	1 54 14 40	0
-0.0001407	-0.0004000	0.0000000	1309.5883400	1309.5884807
3237:	52	14 38	1 53 14 39	0
-0.0004605	-0.0004000	0.0000000	1309.8478000	1309.8482605
3238:	51	14 37	1 52 14 38	0
0.0001924	-0.0004000	0.0000000	1310.1081900	1310.1079976
3239:	49	14 35	1 50 14 36	0
0.0000531	-0.0004000	0.0000000	1310.6273900	1310.6273369
3240:	48	14 34	1 49 14 35	0
-0.0000059	-0.0004000	0.0000000	1310.8869300	1310.8869359
3241:	47	14 33	1 48 14 34	0
-0.0004055	-0.0004000	0.0000000	1311.1460800	1311.1464855
3242:	46	14 32	1 47 14 33	0
0.0001159	-0.0004000	0.0000000	1311.4061000	1311.4059841
3243:	45	14 31	1 46 14 32	0
0.0003000	-0.0004000	0.0000000	1311.6657300	1311.6654300
3244:	44	14 30	1 45 14 31	0
-0.0000917	-0.0004000	0.0000000	1311.9247300	1311.9248217
3245:	42	14 28	1 43 14 29	0
-0.0000355	-0.0004000	0.0000000	1312.4434000	1312.4434355
3246:	41	14 27	1 42 14 28	0
0.0002357	-0.0004000	0.0000000	1312.7028900	1312.7026543
3247:	40	14 26	1 41 14 27	0
0.0001177	-0.0004000	0.0000000	1312.9619300	1312.9618123

3248:	39	14	25	1	40	14	26	0	1313.2213300	1313.2209078
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3249:	37	14	23	1	38	14	24	0	1313.7391600	1313.7389047
	0.0002553	-0.0004000	0.0000000							
3250:	36	14	22	1	37	14	23	0	1313.9984100	1313.9978029
	0.0006071	-0.0004000	0.0000000							
3251:	35	14	21	1	36	14	22	0	1314.2568300	1314.2566320
	0.0001980	-0.0004000	0.0000000							
3252:	34	14	20	1	35	14	21	0	1314.5150200	1314.5153904
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3253:	33	14	19	1	34	14	20	0	1314.7745300	1314.7740766
	0.0004534	-0.0004000	0.0000000							
3254:	32	14	18	1	33	14	19	0	1315.0325200	1315.0326889
	-0.0001689	-0.0004000	0.0000000							
3255:	31	14	17	1	32	14	18	0	1315.2909000	1315.2912257
	-0.0003257	-0.0004000	0.0000000							
3256:	30	14	16	1	31	14	17	0	1315.5500400	1315.5496853
	0.0003547	-0.0004000	0.0000000							
3257:	27	14	13	1	28	14	14	0	1316.3243000	1316.3245854
	-0.0002854	-0.0004000	0.0000000							
3258:	25	14	11	1	26	14	12	0	1316.8404900	1316.8407704
	-0.0002804	-0.0004000	0.0000000							
3259:	23	14	9	1	24	14	10	0	1317.3566200	1317.3566083
	0.0000117	-0.0004000	0.0000000							
3260:	15	14	1	1	14	14	0	0	1327.3275800	1327.3280968
	-0.0005168	-0.0004000	0.0000000							
3261:	16	14	2	1	15	14	1	0	1327.5811100	1327.5811573
	-0.0000473	-0.0004000	0.0000000							
3262:	17	14	3	1	16	14	2	0	1327.8342300	1327.8340658
	0.0001642	-0.0004000	0.0000000							
3263:	19	14	5	1	18	14	4	0	1328.3392200	1328.3394210
	-0.0002010	-0.0004000	0.0000000							
3264:	20	14	6	1	19	14	5	0	1328.5919600	1328.5918646
	0.0000954	-0.0004000	0.0000000							
3265:	23	14	9	1	22	14	8	0	1329.3479100	1329.3482410
	-0.0003310	-0.0004000	0.0000000							
3266:	24	14	10	1	23	14	9	0	1329.6002400	1329.6000432
	0.0001968	-0.0004000	0.0000000							
3267:	26	14	12	1	25	14	11	0	1330.1032500	1330.1031534
	0.0000966	-0.0004000	0.0000000							
3268:	29	14	15	1	28	14	14	0	1330.8565700	1330.8565601
	0.0000099	-0.0004000	0.0000000							
3269:	30	14	16	1	29	14	15	0	1331.1072600	1331.1073539
	-0.0000939	-0.0004000	0.0000000							
3270:	31	14	17	1	30	14	16	0	1331.3577600	1331.3579742
	-0.0002142	-0.0004000	0.0000000							
3271:	32	14	18	1	31	14	17	0	1331.6082800	1331.6084194
	-0.0001394	-0.0004000	0.0000000							
3272:	35	14	21	1	34	14	20	0	1332.3587500	1332.3586891
	0.0000609	-0.0004000	0.0000000							
3273:	36	14	22	1	35	14	21	0	1332.6085700	1332.6084185
	0.0001515	-0.0004000	0.0000000							
3274:	37	14	23	1	36	14	22	0	1332.8573900	1332.8579650
	-0.0005750	-0.0004000	0.0000000							
3275:	38	14	24	1	37	14	23	0	1333.1069900	1333.1073270
	-0.0003370	-0.0004000	0.0000000							
3276:	40	14	26	1	39	14	25	0	1333.6053500	1333.6054913
	-0.0001413	-0.0004000	0.0000000							
3277:	42	14	28	1	41	14	27	0	1334.1027400	1334.1028987
	-0.0001587	-0.0004000	0.0000000							
3278:	43	14	29	1	42	14	28	0	1334.3507900	1334.3513146
	-0.0005246	-0.0004000	0.0000000							
3279:	44	14	30	1	43	14	29	0	1334.5994900	1334.5995364
	-0.0000464	-0.0004000	0.0000000							
3280:	45	14	31	1	44	14	30	0	1334.8473200	1334.8475626

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3281: 46	14 32	1 45 14 31	0	1335.0953200 1335.0953916
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3282: 47	14 33	1 46 14 32	0	1335.3424500 1335.3430216
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3283: 49	14 35	1 48 14 34	0	1335.8376500 1335.8376786
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3284: 51	14 37	1 50 14 36	0	1336.3316200 1336.3315205
0.0000995	-0.0004000	0.0000000		
3285: 53	14 39	1 52 14 38	0	1336.8244400 1336.8245341
-0.0000941	-0.0004000	0.0000000		
3286: 54	14 40	1 53 14 39	0	1337.0709400 1337.0707262
0.0002138	-0.0004000	0.0000000		
3287: 55	14 41	1 54 14 40	0	1337.3172100 1337.3167062
0.0005038	-0.0004000	0.0000000		
3288: 56	14 42	1 55 14 41	0	1337.5629600 1337.5624724
0.0004876	-0.0004000	0.0000000		
3289: 58	14 44	1 57 14 43	0	1338.0533300 1338.0533570
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3290: 59	14 45	1 58 14 44	0	1338.2988100 1338.2984719
0.0003381	-0.0004000	0.0000000		
3291: 63	14 49	1 62 14 48	0	1339.2767100 1339.2767092
0.0000008	-0.0004000	0.0000000		
3292: 65	14 51	1 64 14 50	0	1339.7642800 1339.7644702
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3293: 66	14 52	1 65 14 51	0	1340.0083800 1340.0080052
0.0003748	-0.0004000	0.0000000		
3294: 67	14 53	1 66 14 52	0	1340.2517700 1340.2513074
0.0004626	-0.0004000	0.0000000		
3295: 68	14 54	1 67 14 53	0	1340.4945700 1340.4943752
0.0001948	-0.0004000	0.0000000		
3296: 69	14 55	1 68 14 54	0	1340.7370400 1340.7372068
-0.0001668	-0.0004000	0.0000000		
3297: 70	14 56	1 69 14 55	0	1340.9797700 1340.9798003
-0.0000303	-0.0004000	0.0000000		
3298: 72	14 58	1 71 14 57	0	1341.4643200 1341.4642660
0.0000540	-0.0004000	0.0000000		
3299: 74	14 60	1 73 14 59	0	1341.9477800 1341.9477577
0.0000223	-0.0004000	0.0000000		
3300: 75	14 61	1 74 14 60	0	1342.1891600 1342.1891338
0.0000262	-0.0004000	0.0000000		
3301: 76	14 62	1 75 14 61	0	1342.4301800 1342.4302608
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3302: 77	14 63	1 76 14 62	0	1342.6711200 1342.6711370
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3303: 78	14 64	1 77 14 63	0	1342.9122700 1342.9117605
0.0005095	-0.0004000	0.0000000		
3304: 79	14 65	1 78 14 64	0	1343.1520600 1343.1521293
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3305: 80	14 66	1 79 14 65	0	1343.3923000 1343.3922417
0.0000583	-0.0004000	0.0000000		
3306: 80	14 67	1 81 14 68	0	1302.5639200 1302.5643784
-0.0004584	-0.0004000	0.0000000		
3307: 79	14 66	1 80 14 67	0	1302.8248300 1302.8246799
0.0001501	-0.0004000	0.0000000		
3308: 77	14 64	1 78 14 65	0	1303.3451900 1303.3452887
-0.0000987	-0.0004000	0.0000000		
3309: 76	14 63	1 77 14 64	0	1303.6053400 1303.6055926
-0.0002526	-0.0004000	0.0000000		
3310: 75	14 62	1 76 14 63	0	1303.8650900 1303.8658940
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3311: 73	14 60	1 74 14 61	0	1304.3857900 1304.3864822
-0.0006922	-0.0004000	0.0000000		
3312: 70	14 57	1 71 14 58	0	1305.1672400 1305.1673034
-0.0000634	-0.0004000	0.0000000		

3313:	68	14	55	1	69	14	56	0	1305.6880900	1305.6877906
0.0002994	-0.0004000	0.0000000								
3314:	67	14	54	1	68	14	55	0	1305.9482100	1305.9480110
0.0001990	-0.0004000	0.0000000								
3315:	66	14	53	1	67	14	54	0	1306.2079300	1306.2082138
-0.0002838	-0.0004000	0.0000000								
3316:	61	14	48	1	62	14	49	0	1307.5084800	1307.5089041
-0.0004241	-0.0004000	0.0000000								
3317:	60	14	47	1	61	14	48	0	1307.7683200	1307.7689657
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3318:	59	14	46	1	60	14	47	0	1308.0283700	1308.0289979
-0.0006279	-0.0004000	0.0000000								
3319:	58	14	45	1	59	14	46	0	1308.2887000	1308.2889991
-0.0002991	-0.0004000	0.0000000								
3320:	57	14	44	1	58	14	45	0	1308.5484100	1308.5489675
-0.0005575	-0.0004000	0.0000000								
3321:	56	14	43	1	57	14	44	0	1308.8091600	1308.8089016
0.0002584	-0.0004000	0.0000000								
3322:	55	14	42	1	56	14	43	0	1309.0689500	1309.0687996
0.0001504	-0.0004000	0.0000000								
3323:	54	14	41	1	55	14	42	0	1309.3285400	1309.3286598
-0.0001198	-0.0004000	0.0000000								
3324:	53	14	40	1	54	14	41	0	1309.5883400	1309.5884807
-0.0001407	-0.0004000	0.0000000								
3325:	52	14	39	1	53	14	40	0	1309.8478000	1309.8482605
-0.0004605	-0.0004000	0.0000000								
3326:	51	14	38	1	52	14	39	0	1310.1081900	1310.1079976
0.0001924	-0.0004000	0.0000000								
3327:	49	14	36	1	50	14	37	0	1310.6273900	1310.6273369
0.0000531	-0.0004000	0.0000000								
3328:	48	14	35	1	49	14	36	0	1310.8869300	1310.8869359
-0.0000059	-0.0004000	0.0000000								
3329:	47	14	34	1	48	14	35	0	1311.1460800	1311.1464855
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3330:	46	14	33	1	47	14	34	0	1311.4061000	1311.4059841
0.0001159	-0.0004000	0.0000000								
3331:	45	14	32	1	46	14	33	0	1311.6657300	1311.6654300
0.0003000	-0.0004000	0.0000000								
3332:	44	14	31	1	45	14	32	0	1311.9247300	1311.9248217
-0.0000917	-0.0004000	0.0000000								
3333:	42	14	29	1	43	14	30	0	1312.4434000	1312.4434355
-0.0000355	-0.0004000	0.0000000								
3334:	41	14	28	1	42	14	29	0	1312.7028900	1312.7026543
0.0002357	-0.0004000	0.0000000								
3335:	40	14	27	1	41	14	28	0	1312.9619300	1312.9618123
0.0001177	-0.0004000	0.0000000								
3336:	39	14	26	1	40	14	27	0	1313.2213300	1313.2209078
0.0004222	-0.0004000	0.0000000								
3337:	37	14	24	1	38	14	25	0	1313.7391600	1313.7389047
0.0002553	-0.0004000	0.0000000								
3338:	36	14	23	1	37	14	24	0	1313.9984100	1313.9978029
0.0006071	-0.0004000	0.0000000								
3339:	35	14	22	1	36	14	23	0	1314.2568300	1314.2566320
0.0001980	-0.0004000	0.0000000								
3340:	34	14	21	1	35	14	22	0	1314.5150200	1314.5153904
-0.0003704	-0.0004000	0.0000000								
3341:	33	14	20	1	34	14	21	0	1314.7745300	1314.7740766
0.0004534	-0.0004000	0.0000000								
3342:	32	14	19	1	33	14	20	0	1315.0325200	1315.0326889
-0.0001689	-0.0004000	0.0000000								
3343:	31	14	18	1	32	14	19	0	1315.2909000	1315.2912257
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3344:	30	14	17	1	31	14	18	0	1315.5500400	1315.5496853
0.0003547	-0.0004000	0.0000000								
3345:	27	14	14	1	28	14	15	0	1316.3243000	1316.3245854



-0.0002854	-0.0004000	0.0000000		
3346:	25	14	12	1 26 14 13 0
				1316.8404900
1316.8407704				
-0.0002804	-0.0004000	0.0000000		
3347:	23	14	10	1 24 14 11 0
				1317.3566200
1317.3566083				
0.0000117	-0.0004000	0.0000000		
3348:	15	14	2	1 14 14 1 0
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1327.3280968				
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3349:	16	14	3	1 15 14 2 0
				1327.5811100
1327.5811573				
-0.0000473	-0.0004000	0.0000000		
3350:	17	14	4	1 16 14 3 0
				1327.8342300
1327.8340658				
0.0001642	-0.0004000	0.0000000		
3351:	19	14	6	1 18 14 5 0
				1328.3392200
1328.3394210				
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3352:	20	14	7	1 19 14 6 0
				1328.5919600
1328.5918646				
0.0000954	-0.0004000	0.0000000		
3353:	23	14	10	1 22 14 9 0
				1329.3479100
1329.3482410				
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3354:	24	14	11	1 23 14 10 0
				1329.6002400
1329.6000432				
0.0001968	-0.0004000	0.0000000		
3355:	26	14	13	1 25 14 12 0
				1330.1032500
1330.1031534				
0.0000966	-0.0004000	0.0000000		
3356:	29	14	16	1 28 14 15 0
				1330.8565700
1330.8565601				
0.0000099	-0.0004000	0.0000000		
3357:	30	14	17	1 29 14 16 0
				1331.1072600
1331.1073539				
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3358:	31	14	18	1 30 14 17 0
				1331.3577600
1331.3579742				
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3359:	32	14	19	1 31 14 18 0
				1331.6082800
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3360:	35	14	22	1 34 14 21 0
				1332.3587500
1332.3586891				
0.0000609	-0.0004000	0.0000000		
3361:	36	14	23	1 35 14 22 0
				1332.6085700
1332.6084185				
0.0001515	-0.0004000	0.0000000		
3362:	37	14	24	1 36 14 23 0
				1332.8573900
1332.8579650				
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3363:	38	14	25	1 37 14 24 0
				1333.1069900
1333.1073270				
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3364:	40	14	27	1 39 14 26 0
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3365:	42	14	29	1 41 14 28 0
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3366:	43	14	30	1 42 14 29 0
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3367:	44	14	31	1 43 14 30 0
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3368:	45	14	32	1 44 14 31 0
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3369:	46	14	33	1 45 14 32 0
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3370:	47	14	34	1 46 14 33 0
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3371:	49	14	36	1 48 14 35 0
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3372:	51	14	38	1 50 14 37 0
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3373:	53	14	40	1 52 14 39 0
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3374:	54	14	41	1 53 14 40 0
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1337.0707262				
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3375:	55	14	42	1 54 14 41 0
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3376:	56	14	43	1 55 14 42 0
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3377:	58	14	45	1 57 14 44 0
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3379:	63	14	50	1	62	14	49	0	1339.2767100	1339.2767092
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3380:	65	14	52	1	64	14	51	0	1339.7642800	1339.7644702
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3381:	66	14	53	1	65	14	52	0	1340.0083800	1340.0080052
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3382:	67	14	54	1	66	14	53	0	1340.2517700	1340.2513074
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3383:	68	14	55	1	67	14	54	0	1340.4945700	1340.4943752
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3384:	69	14	56	1	68	14	55	0	1340.7370400	1340.7372068
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3385:	70	14	57	1	69	14	56	0	1340.9797700	1340.9798003
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3386:	72	14	59	1	71	14	58	0	1341.4643200	1341.4642660
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3387:	74	14	61	1	73	14	60	0	1341.9477800	1341.9477577
	0.0000223	-0.0004000	0.0000000							
3388:	75	14	62	1	74	14	61	0	1342.1891600	1342.1891338
	0.0000262	-0.0004000	0.0000000							
3389:	76	14	63	1	75	14	62	0	1342.4301800	1342.4302608
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3390:	77	14	64	1	76	14	63	0	1342.6711200	1342.6711370
	-0.0000170	-0.0004000	0.0000000							
3391:	78	14	65	1	77	14	64	0	1342.9122700	1342.9117605
	0.0005095	-0.0004000	0.0000000							
3392:	79	14	66	1	78	14	65	0	1343.1520600	1343.1521293
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3393:	80	14	67	1	79	14	66	0	1343.3923000	1343.3922417
	0.0000583	-0.0004000	0.0000000							
3394:	81	15	66	1	82	15	67	0	1302.0020800	1302.0020288
	0.0000512	-0.0004000	0.0000000							
3395:	80	15	65	1	81	15	66	0	1302.2625900	1302.2622834
	0.0003066	-0.0004000	0.0000000							
3396:	76	15	61	1	77	15	62	0	1303.3037900	1303.3033339
	0.0004561	-0.0004000	0.0000000							
3397:	75	15	60	1	76	15	61	0	1303.5641900	1303.5635964
	0.0005936	-0.0004000	0.0000000							
3398:	73	15	58	1	74	15	59	0	1304.0844700	1304.0841099
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3399:	72	15	57	1	73	15	58	0	1304.3448300	1304.3443576
	0.0004724	-0.0004000	0.0000000							
3400:	70	15	55	1	71	15	56	0	1304.8645600	1304.8648267
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3401:	69	15	54	1	70	15	55	0	1305.1250200	1305.1250448
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3402:	68	15	53	1	69	15	54	0	1305.3853800	1305.3852498
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3403:	67	15	52	1	68	15	53	0	1305.6453700	1305.6454400
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3404:	66	15	51	1	67	15	52	0	1305.9053400	1305.9056138
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3405:	65	15	50	1	66	15	51	0	1306.1657200	1306.1657695
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3406:	64	15	49	1	65	15	50	0	1306.4257400	1306.4259056
	-0.0001656	-0.0004000	0.0000000							
3407:	61	15	46	1	62	15	47	0	1307.2059100	1307.2061790
	-0.0002690	-0.0004000	0.0000000							
3408:	60	15	45	1	61	15	46	0	1307.4657800	1307.4662197
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3409:	57	15	42	1	58	15	43	0	1308.2460400	1308.2461678
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3410:	56	15	41	1	57	15	42	0	1308.5061800	1308.5060869

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3412: 54	15 39	1 55 15 40	0	1309.0259300 1309.0258199
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3413: 53	15 38	1 54 15 39	0	1309.2860800 1309.2856306
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3415: 51	15 36	1 52 15 37	0	1309.8051500 1309.8051318
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3417: 49	15 34	1 50 15 35	0	1310.3244600 1310.3244620
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3418: 48	15 33	1 49 15 34	0	1310.5842200 1310.5840589
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3419: 47	15 32	1 48 15 33	0	1310.8438100 1310.8436080
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3420: 46	15 31	1 47 15 32	0	1311.1026500 1311.1031079
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3422: 44	15 29	1 45 15 30	0	1311.6218400 1311.6219530
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3423: 43	15 28	1 44 15 29	0	1311.8816300 1311.8812950
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3424: 42	15 27	1 43 15 28	0	1312.1406300 1312.1405812
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3425: 41	15 26	1 42 15 27	0	1312.4005700 1312.3998098
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3426: 40	15 25	1 41 15 26	0	1312.6595000 1312.6589792
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3427: 39	15 24	1 40 15 25	0	1312.9184700 1312.9180878
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3428: 38	15 23	1 39 15 24	0	1313.1778900 1313.1771340
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3429: 37	15 22	1 38 15 23	0	1313.4367900 1313.4361161
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3430: 36	15 21	1 37 15 22	0	1313.6952500 1313.6950325
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3433: 33	15 18	1 34 15 19	0	1314.4717200 1314.4713712
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3434: 32	15 17	1 33 15 18	0	1314.7298000 1314.7300085
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3435: 31	15 16	1 32 15 17	0	1314.9888100 1314.9885719
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3437: 29	15 14	1 30 15 15	0	1315.5058500 1315.5054707
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3438: 27	15 12	1 28 15 13	0	1316.0216900 1316.0220546
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3439: 26	15 11	1 27 15 12	0	1316.2799600 1316.2802244
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3450: 32 15 17 1 31 15 16 0	1331.3098100	1331.3094056
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3453: 43 15 28 1 42 15 27 0	1334.0528300	1334.0527221
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3455: 45 15 30 1 44 15 29 0	1334.5493100	1334.5490152
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3456: 47 15 32 1 46 15 31 0	1335.0447300	1335.0445078
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3458: 53 15 38 1 52 15 37 0	1336.5261300	1336.5260450
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3459: 54 15 39 1 53 15 38 0	1336.7722500	1336.7722291
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3467: 65 15 50 1 64 15 49 0	1339.4651200	1339.4656212
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3469: 68 15 53 1 67 15 52 0	1340.1945100	1340.1953362
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3472: 74 15 59 1 73 15 58 0	1341.6482600	1341.6482002
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3479:	80	15	66	1 81 15 67 0
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3480:	76	15	62	1 77 15 63 0
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3481:	75	15	61	1 76 15 62 0
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3482:	73	15	59	1 74 15 60 0
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3483:	72	15	58	1 73 15 59 0
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3485:	69	15	55	1 70 15 56 0
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3486:	68	15	54	1 69 15 55 0
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3487:	67	15	53	1 68 15 54 0
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3491:	61	15	47	1 62 15 48 0
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3492:	60	15	46	1 61 15 47 0
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3493:	57	15	43	1 58 15 44 0
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3494:	56	15	42	1 57 15 43 0
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3495:	55	15	41	1 56 15 42 0
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3496:	54	15	40	1 55 15 41 0
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3500:	50	15	36	1 51 15 37 0
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3502:	48	15	34	1 49 15 35 0
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3503:	47	15	33	1 48 15 34 0
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3504:	46	15	32	1 47 15 33 0
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3505:	45	15	31	1 46 15 32 0
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3506:	44	15	30	1 45 15 31 0
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3507:	43	15	29	1 44 15 30 0
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3509:	41	15	27	1	42	15	28	0	1312.4005700	1312.3998098
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3511:	39	15	25	1	40	15	26	0	1312.9184700	1312.9180878
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3513:	37	15	23	1	38	15	24	0	1313.4367900	1313.4361161
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3514:	36	15	22	1	37	15	23	0	1313.6952500	1313.6950325
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3515:	35	15	21	1	36	15	22	0	1313.9542300	1313.9538816
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3516:	34	15	20	1	35	15	21	0	1314.2128300	1314.2126617
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3517:	33	15	19	1	34	15	20	0	1314.4717200	1314.4713712
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3519:	31	15	17	1	32	15	18	0	1314.9888100	1314.9885719
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3520:	30	15	16	1	31	15	17	0	1315.2469900	1315.2470598
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3521:	29	15	15	1	30	15	16	0	1315.5058500	1315.5054707
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3522:	27	15	13	1	28	15	14	0	1316.0216900	1316.0220546
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3523:	26	15	12	1	27	15	13	0	1316.2799600	1316.2802244
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3524:	24	15	10	1	25	15	11	0	1316.7964400	1316.7963116
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3525:	23	15	9	1	24	15	10	0	1317.0547200	1317.0542258
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3526:	22	15	8	1	23	15	9	0	1317.3120100	1317.3120515
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3527:	21	15	7	1	22	15	8	0	1317.5695600	1317.5697872
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3528:	23	15	9	1	22	15	8	0	1329.0486600	1329.0487210
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3529:	24	15	10	1	23	15	9	0	1329.3010700	1329.3005845
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3530:	25	15	11	1	24	15	10	0	1329.5520500	1329.5522827
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3531:	26	15	12	1	25	15	11	0	1329.8037800	1329.8038140
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3532:	27	15	13	1	26	15	12	0	1330.0552300	1330.0551768
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3533:	30	15	16	1	29	15	15	0	1330.8085700	1330.8082376
0.0003324	-0.0004000	0.0000000								
3534:	32	15	18	1	31	15	17	0	1331.3098100	1331.3094056
0.0004044	-0.0004000	0.0000000								
3535:	34	15	20	1	33	15	19	0	1331.8104000	1331.8098602
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3536:	38	15	24	1	37	15	23	0	1332.8090200	1332.8085763
0.0004437	-0.0004000	0.0000000								
3537:	43	15	29	1	42	15	28	0	1334.0528300	1334.0527221
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3538:	44	15	30	1	43	15	29	0	1334.3013400	1334.3009678
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3539:	45	15	31	1	44	15	30	0	1334.5493100	1334.5490152
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3540:	47	15	33	1	46	15	32	0	1335.0447300	1335.0445078

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3542: 53	15 39	1 52 15 38	0	1336.5261300	1336.5260450
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3543: 54	15 40	1 53 15 39	0	1336.7722500	1336.7722291
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3544: 55	15 41	1 54 15 40	0	1337.0177200	1337.0181975
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3545: 58	15 44	1 57 15 43	0	1337.7548100	1337.7547903
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3546: 59	15 45	1 58 15 44	0	1338.0000600	1337.9998778
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3547: 60	15 46	1 59 15 45	0	1338.2449200	1338.2447407
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3548: 62	15 48	1 61 15 47	0	1338.7342300	1338.7337852
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3549: 63	15 49	1 62 15 48	0	1338.9782400	1338.9779631
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3550: 64	15 50	1 63 15 49	0	1339.2219100	1339.2219091
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3551: 65	15 51	1 64 15 50	0	1339.4651200	1339.4656212
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3552: 66	15 52	1 65 15 51	0	1339.7083000	1339.7090977
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3553: 68	15 54	1 67 15 53	0	1340.1945100	1340.1953362
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3554: 70	15 56	1 69 15 55	0	1340.6800200	1340.6806096
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3555: 73	15 59	1 72 15 58	0	1341.4060900	1341.4066768
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3556: 74	15 60	1 73 15 59	0	1341.6482600	1341.6482002
0.0000598	-0.0004000	0.0000000			
3557: 75	15 61	1 74 15 60	0	1341.8890900	1341.8894708
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3558: 76	15 62	1 75 15 61	0	1342.1304600	1342.1304867
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3559: 77	15 63	1 76 15 62	0	1342.3706600	1342.3712459
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3560: 78	15 64	1 77 15 63	0	1342.6118000	1342.6117464
0.0000536	-0.0004000	0.0000000			
3561: 79	15 65	1 78 15 64	0	1342.8520900	1342.8519864
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3562: 64	16 48	1 65 16 49	0	1306.1024700	1306.1029779
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3563: 63	16 47	1 64 16 48	0	1306.3627100	1306.3630793
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3564: 62	16 46	1 63 16 47	0	1306.6231600	1306.6231589
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3565: 60	16 44	1 61 16 45	0	1307.1429800	1307.1432464
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3566: 59	16 43	1 60 16 44	0	1307.4030300	1307.4032509
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3567: 56	16 40	1 57 16 41	0	1308.1825700	1308.1830885
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3568: 55	16 39	1 56 16 40	0	1308.4432500	1308.4429703
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3569: 54	16 38	1 55 16 39	0	1308.7029000	1308.7028172
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3570: 51	16 35	1 52 16 36	0	1309.4819500	1309.4821331
-0.0001831	-0.0004000	0.0000000			
3571: 50	16 34	1 51 16 35	0	1309.7413200	1309.7418246
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3572: 48	16 32	1 49 16 33	0	1310.2610200	1310.2610773
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3573:	47	16	31	1	48	16	32	0	1310.5209300	1310.5206351
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3574:	45	16	29	1	46	16	30	0	1311.0394100	1311.0396056
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3575:	44	16	28	1	45	16	29	0	1311.2989900	1311.2990150
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3576:	43	16	27	1	44	16	28	0	1311.5587600	1311.5583716
	0.0003884	-0.0004000	0.0000000							
3577:	42	16	26	1	43	16	27	0	1311.8173700	1311.8176739
	-0.0003039	-0.0004000	0.0000000							
3578:	38	16	22	1	39	16	23	0	1312.8542600	1312.8543065
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3579:	37	16	21	1	38	16	22	0	1313.1135300	1313.1133124
	0.0002176	-0.0004000	0.0000000							
3580:	36	16	20	1	37	16	21	0	1313.3718600	1313.3722540
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3581:	34	16	18	1	35	16	19	0	1313.8900100	1313.8899382
	0.0000718	-0.0004000	0.0000000							
3582:	33	16	17	1	34	16	18	0	1314.1483500	1314.1486775
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3583:	32	16	16	1	33	16	17	0	1314.4073000	1314.4073460
	-0.0000460	-0.0004000	0.0000000							
3584:	30	16	14	1	31	16	15	0	1314.9244300	1314.9244643
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3585:	29	16	13	1	30	16	14	0	1315.1826100	1315.1829109
	-0.0003009	-0.0004000	0.0000000							
3586:	26	16	10	1	27	16	11	0	1315.9576300	1315.9577803
	-0.0001503	-0.0004000	0.0000000							
3587:	18	16	2	1	17	16	1	0	1327.4674700	1327.4673692
	0.0001008	-0.0004000	0.0000000							
3588:	19	16	3	1	18	16	2	0	1327.7201700	1327.7201064
	0.0000636	-0.0004000	0.0000000							
3589:	20	16	4	1	19	16	3	0	1327.9730100	1327.9726860
	0.0003240	-0.0004000	0.0000000							
3590:	21	16	5	1	20	16	4	0	1328.2245600	1328.2251062
	-0.0005462	-0.0004000	0.0000000							
3591:	22	16	6	1	21	16	5	0	1328.4768800	1328.4773655
	-0.0004855	-0.0004000	0.0000000							
3592:	23	16	7	1	22	16	6	0	1328.7292600	1328.7294621
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3593:	24	16	8	1	23	16	7	0	1328.9811600	1328.9813944
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3594:	26	16	10	1	25	16	9	0	1329.4845000	1329.4847591
	-0.0002591	-0.0004000	0.0000000							
3595:	27	16	11	1	26	16	10	0	1329.7359400	1329.7361883
	-0.0002483	-0.0004000	0.0000000							
3596:	28	16	12	1	27	16	11	0	1329.9869300	1329.9874463
	-0.0005163	-0.0004000	0.0000000							
3597:	29	16	13	1	28	16	12	0	1330.2386800	1330.2385315
	0.0001485	-0.0004000	0.0000000							
3598:	30	16	14	1	29	16	13	0	1330.4897900	1330.4894422
	0.0003478	-0.0004000	0.0000000							
3599:	31	16	15	1	30	16	14	0	1330.7397400	1330.7401768
	-0.0004368	-0.0004000	0.0000000							
3600:	32	16	16	1	31	16	15	0	1330.9910500	1330.9907334
	0.0003166	-0.0004000	0.0000000							
3601:	33	16	17	1	32	16	16	0	1331.2408700	1331.2411104
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3602:	34	16	18	1	33	16	17	0	1331.4910900	1331.4913061
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3603:	36	16	20	1	35	16	19	0	1331.9913100	1331.9911465
	0.0001635	-0.0004000	0.0000000							
3604:	40	16	24	1	39	16	23	0	1332.9883400	1332.9885754
	-0.0002354	-0.0004000	0.0000000							
3605:	42	16	26	1	41	16	25	0	1333.4864100	1333.4861359





3638:	21	16	6	1	22	16	7	0	1317.2471200	1317.2475640
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3639:	18	16	3	1	17	16	2	0	1327.4674700	1327.4673692
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3640:	19	16	4	1	18	16	3	0	1327.7201700	1327.7201064
0.0000636	-0.0004000	0.0000000								
3641:	20	16	5	1	19	16	4	0	1327.9730100	1327.9726860
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3642:	21	16	6	1	20	16	5	0	1328.2245600	1328.2251062
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3643:	22	16	7	1	21	16	6	0	1328.4768800	1328.4773655
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3644:	23	16	8	1	22	16	7	0	1328.7292600	1328.7294621
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3645:	24	16	9	1	23	16	8	0	1328.9811600	1328.9813944
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3646:	26	16	11	1	25	16	10	0	1329.4845000	1329.4847591
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3647:	27	16	12	1	26	16	11	0	1329.7359400	1329.7361883
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3648:	28	16	13	1	27	16	12	0	1329.9869300	1329.9874463
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3649:	29	16	14	1	28	16	13	0	1330.2386800	1330.2385315
0.0001485	-0.0004000	0.0000000								
3650:	30	16	15	1	29	16	14	0	1330.4897900	1330.4894422
0.0003478	-0.0004000	0.0000000								
3651:	31	16	16	1	30	16	15	0	1330.7397400	1330.7401768
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3652:	32	16	17	1	31	16	16	0	1330.9910500	1330.9907334
0.0003166	-0.0004000	0.0000000								
3653:	33	16	18	1	32	16	17	0	1331.2408700	1331.2411104
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3654:	34	16	19	1	33	16	18	0	1331.4910900	1331.4913061
-0.0002161	-0.0004000	0.0000000								
3655:	36	16	21	1	35	16	20	0	1331.9913100	1331.9911465
0.0001635	-0.0004000	0.0000000								
3656:	40	16	25	1	39	16	24	0	1332.9883400	1332.9885754
-0.0002354	-0.0004000	0.0000000								
3657:	42	16	27	1	41	16	26	0	1333.4864100	1333.4861359
0.0002741	-0.0004000	0.0000000								
3658:	43	16	28	1	42	16	27	0	1333.7349200	1333.7346215
0.0002985	-0.0004000	0.0000000								
3659:	46	16	31	1	45	16	30	0	1334.4789700	1334.4788788
0.0000912	-0.0004000	0.0000000								
3660:	47	16	32	1	46	16	31	0	1334.7265700	1334.7265587
0.0000113	-0.0004000	0.0000000								
3661:	49	16	34	1	48	16	33	0	1335.2210600	1335.2212991
-0.0002391	-0.0004000	0.0000000								
3662:	50	16	35	1	49	16	34	0	1335.4686000	1335.4683560
0.0002440	-0.0004000	0.0000000								
3663:	53	16	38	1	52	16	37	0	1336.2089400	1336.2082514
0.0006886	-0.0004000	0.0000000								
3664:	59	16	44	1	58	16	43	0	1337.6830200	1337.6821395
0.0008805	-0.0004000	0.0000000								
3665:	60	16	45	1	59	16	44	0	1337.9278000	1337.9270006
0.0007994	-0.0004000	0.0000000								
3666:	76	17	59	1	77	17	60	0	1302.6380100	1302.6378323
0.0001777	-0.0004000	0.0000000								
3667:	75	17	58	1	76	17	59	0	1302.8982900	1302.8980532
0.0002368	-0.0004000	0.0000000								
3668:	74	17	57	1	75	17	58	0	1303.1587000	1303.1582725
0.0004275	-0.0004000	0.0000000								
3669:	72	17	55	1	73	17	56	0	1303.6786500	1303.6786998
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3670:	67	17	50	1	68	17	51	0	1304.9794400	1304.9796293

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3673: 63	17	46	1	64 17 47 0
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3674: 62	17	45	1	63 17 46 0
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3675: 61	17	44	1	62 17 45 0
0.0004341	-0.0004000	0.0000000	1306.5406900	1306.5402559
3676: 60	17	43	1	61 17 44 0
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3677: 58	17	41	1	59 17 42 0
0.0004112	-0.0004000	0.0000000	1307.3206800	1307.3202688
3678: 57	17	40	1	58 17 41 0
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3679: 56	17	39	1	57 17 40 0
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3680: 55	17	38	1	56 17 39 0
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3681: 53	17	36	1	54 17 37 0
0.0001448	-0.0004000	0.0000000	1308.6198400	1308.6196952
3682: 52	17	35	1	53 17 36 0
0.0003633	-0.0004000	0.0000000	1308.8798400	1308.8794767
3683: 51	17	34	1	52 17 35 0
0.0001001	-0.0004000	0.0000000	1309.1393200	1309.1392199
3684: 48	17	31	1	49 17 32 0
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3685: 44	17	27	1	45 17 28 0
0.0002087	-0.0004000	0.0000000	1310.9564200	1310.9562113
3686: 43	17	26	1	44 17 27 0
0.0001609	-0.0004000	0.0000000	1311.2157500	1311.2155891
3687: 42	17	25	1	43 17 26 0
0.0002762	-0.0004000	0.0000000	1311.4751900	1311.4749138
3688: 41	17	24	1	42 17 25 0
0.0001361	-0.0004000	0.0000000	1311.7343200	1311.7341839
3689: 39	17	22	1	40 17 23 0
0.0004763	-0.0004000	0.0000000	1312.2530300	1312.2525537
3690: 30	17	13	1	31 17 14 0
0.0005686	-0.0004000	0.0000000	1314.5826500	1314.5820814
3691: 29	17	12	1	30 17 13 0
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3692: 28	17	11	1	29 17 12 0
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3693: 27	17	10	1	28 17 11 0
0.0000976	-0.0004000	0.0000000	1315.3574100	1315.3573124
3694: 26	17	9	1	27 17 10 0
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3695: 25	17	8	1	26 17 9 0
0.0001703	-0.0004000	0.0000000	1315.8739100	1315.8737397
3696: 19	17	2	1	18 17 1 0
0.0001327	-0.0004000	0.0000000	1327.3810900	1327.3809573
3697: 20	17	3	1	19 17 2 0
-0.0003334	-0.0004000	0.0000000	1327.6332800	1327.6336134
3698: 21	17	4	1	20 17 3 0
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3699: 22	17	5	1	21 17 4 0
0.0005648	-0.0004000	0.0000000	1328.1390100	1328.1384452
3700: 23	17	6	1	22 17 5 0
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3701: 24	17	7	1	23 17 6 0
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3702: 25	17	8	1	24 17 7 0
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3703:	26	17	9	1	25	17	8	0	1329.1465600	1329.1461385
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3704:	32	17	15	1	31	17	14	0	1330.6522700	1330.6525438
	-0.0002738	-0.0004000	0.0000000							
3705:	33	17	16	1	32	17	15	0	1330.9025300	1330.9029899
	-0.0004599	-0.0004000	0.0000000							
3706:	34	17	17	1	33	17	16	0	1331.1530100	1331.1532536
	-0.0002436	-0.0004000	0.0000000							
3707:	42	17	25	1	41	17	24	0	1333.1485500	1333.1485863
	-0.0000363	-0.0004000	0.0000000							
3708:	48	17	31	1	47	17	30	0	1334.6365200	1334.6367996
	-0.0002796	-0.0004000	0.0000000							
3709:	49	17	32	1	48	17	31	0	1334.8838700	1334.8841125
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3710:	50	17	33	1	49	17	32	0	1335.1307400	1335.1312141
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3711:	59	17	42	1	58	17	41	0	1337.3453600	1337.3453041
	0.0000559	-0.0004000	0.0000000							
3712:	60	17	43	1	59	17	42	0	1337.5904200	1337.5901876
	0.0002324	-0.0004000	0.0000000							
3713:	62	17	45	1	61	17	44	0	1338.0796000	1338.0792553
	0.0003447	-0.0004000	0.0000000							
3714:	63	17	46	1	62	17	45	0	1338.3234300	1338.3234358
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3715:	64	17	47	1	63	17	46	0	1338.5676600	1338.5673779
	0.0002821	-0.0004000	0.0000000							
3716:	65	17	48	1	64	17	47	0	1338.8118300	1338.8110797
	0.0007503	-0.0004000	0.0000000							
3717:	76	17	60	1	77	17	61	0	1302.6380100	1302.6378323
	0.0001777	-0.0004000	0.0000000							
3718:	75	17	59	1	76	17	60	0	1302.8982900	1302.8980532
	0.0002368	-0.0004000	0.0000000							
3719:	74	17	58	1	75	17	59	0	1303.1587000	1303.1582725
	0.0004275	-0.0004000	0.0000000							
3720:	72	17	56	1	73	17	57	0	1303.6786500	1303.6786998
	-0.0000498	-0.0004000	0.0000000							
3721:	67	17	51	1	68	17	52	0	1304.9794400	1304.9796293
	-0.0001893	-0.0004000	0.0000000							
3722:	66	17	50	1	67	17	51	0	1305.2398900	1305.2397787
	0.0001113	-0.0004000	0.0000000							
3723:	64	17	48	1	65	17	49	0	1305.7596600	1305.7600283
	-0.0003683	-0.0004000	0.0000000							
3724:	63	17	47	1	64	17	48	0	1306.0194600	1306.0201254
	-0.0006654	-0.0004000	0.0000000							
3725:	62	17	46	1	63	17	47	0	1306.2796900	1306.2802018
	-0.0005118	-0.0004000	0.0000000							
3726:	61	17	45	1	62	17	46	0	1306.5406900	1306.5402559
	0.0004341	-0.0004000	0.0000000							
3727:	60	17	44	1	61	17	45	0	1306.8006700	1306.8002862
	0.0003838	-0.0004000	0.0000000							
3728:	58	17	42	1	59	17	43	0	1307.3206800	1307.3202688
	0.0004112	-0.0004000	0.0000000							
3729:	57	17	41	1	58	17	42	0	1307.5802900	1307.5802179
	0.0000721	-0.0004000	0.0000000							
3730:	56	17	40	1	57	17	41	0	1307.8396600	1307.8401367
	-0.0004767	-0.0004000	0.0000000							
3731:	55	17	39	1	56	17	40	0	1308.0998100	1308.1000236
	-0.0002136	-0.0004000	0.0000000							
3732:	53	17	37	1	54	17	38	0	1308.6198400	1308.6196952
	0.0001448	-0.0004000	0.0000000							
3733:	52	17	36	1	53	17	37	0	1308.8798400	1308.8794767
	0.0003633	-0.0004000	0.0000000							
3734:	51	17	35	1	52	17	36	0	1309.1393200	1309.1392199
	0.0001001	-0.0004000	0.0000000							
3735:	48	17	32	1	49	17	33	0	1309.9182500	1309.9182029



3768:	62	18	44	1	63	18	45	0	1305.9176900	1305.9174747
	0.0002153	-0.0004000	0.0000000							
3769:	61	18	43	1	62	18	44	0	1306.1774300	1306.1775334
	-0.0001034	-0.0004000	0.0000000							
3770:	60	18	42	1	61	18	43	0	1306.4374600	1306.4375693
	-0.0001093	-0.0004000	0.0000000							
3771:	59	18	41	1	60	18	42	0	1306.6973800	1306.6975808
	-0.0002008	-0.0004000	0.0000000							
3772:	48	18	30	1	49	18	31	0	1309.5550800	1309.5556438
	-0.0005638	-0.0004000	0.0000000							
3773:	47	18	29	1	48	18	30	0	1309.8144800	1309.8152383
	-0.0007583	-0.0004000	0.0000000							
3774:	46	18	28	1	47	18	29	0	1310.0747000	1310.0747876
	-0.0000876	-0.0004000	0.0000000							
3775:	45	18	27	1	46	18	28	0	1310.3344700	1310.3342900
	0.0001800	-0.0004000	0.0000000							
3776:	44	18	26	1	45	18	27	0	1310.5935700	1310.5937440
	-0.0001740	-0.0004000	0.0000000							
3777:	40	18	22	1	41	18	23	0	1311.6311400	1311.6310426
	0.0000974	-0.0004000	0.0000000							
3778:	39	18	21	1	40	18	22	0	1311.8901900	1311.8902297
	-0.0000397	-0.0004000	0.0000000							
3779:	22	18	4	1	23	18	5	0	1316.2864600	1316.2861586
	0.0003014	-0.0004000	0.0000000							
3780:	21	18	3	1	22	18	4	0	1316.5439300	1316.5440455
	-0.0001155	-0.0004000	0.0000000							
3781:	20	18	2	1	21	18	3	0	1316.8015900	1316.8018445
	-0.0002545	-0.0004000	0.0000000							
3782:	19	18	1	1	20	18	2	0	1317.0592900	1317.0595538
	-0.0002638	-0.0004000	0.0000000							
3783:	18	18	0	1	19	18	1	0	1317.3166300	1317.3171718
	-0.0005418	-0.0004000	0.0000000							
3784:	28	18	10	1	27	18	9	0	1329.2918600	1329.2911010
	0.0007590	-0.0004000	0.0000000							
3785:	29	18	11	1	28	18	10	0	1329.5426800	1329.5423377
	0.0003423	-0.0004000	0.0000000							
3786:	30	18	12	1	29	18	11	0	1329.7934900	1329.7933986
	0.0000914	-0.0004000	0.0000000							
3787:	33	18	15	1	32	18	14	0	1330.5456500	1330.5455091
	0.0001409	-0.0004000	0.0000000							
3788:	34	18	16	1	33	18	15	0	1330.7960200	1330.7958491
	0.0001709	-0.0004000	0.0000000							
3789:	35	18	17	1	34	18	16	0	1331.0461600	1331.0460043
	0.0001557	-0.0004000	0.0000000							
3790:	36	18	18	1	35	18	17	0	1331.2962200	1331.2959730
	0.0002470	-0.0004000	0.0000000							
3791:	39	18	21	1	38	18	20	0	1332.0449800	1332.0447408
	0.0002392	-0.0004000	0.0000000							
3792:	40	18	22	1	39	18	21	0	1332.2940000	1332.2939446
	0.0000554	-0.0004000	0.0000000							
3793:	41	18	23	1	40	18	22	0	1332.5432300	1332.5429525
	0.0002775	-0.0004000	0.0000000							
3794:	44	18	26	1	43	18	25	0	1333.2882600	1333.2887826
	-0.0005226	-0.0004000	0.0000000							
3795:	45	18	27	1	44	18	26	0	1333.5365600	1333.5369885
	-0.0004285	-0.0004000	0.0000000							
3796:	46	18	28	1	45	18	27	0	1333.7846900	1333.7849891
	-0.0002991	-0.0004000	0.0000000							
3797:	47	18	29	1	46	18	28	0	1334.0326700	1334.0327827
	-0.0001127	-0.0004000	0.0000000							
3798:	52	18	34	1	51	18	33	0	1335.2686100	1335.2685767
	0.0000333	-0.0004000	0.0000000							
3799:	53	18	35	1	52	18	34	0	1335.5151200	1335.5150873
	0.0000327	-0.0004000	0.0000000							
3800:	61	18	43	1	60	18	42	0	1337.4788800	1337.4790668

-0.0001868	-0.0004000	0.0000000		
3801: 64	18 46	1 63 18 45	0	1338.2119300 1338.2117132
0.0002168	-0.0004000	0.0000000		
3802: 66	18 48	1 65 18 47	0	1338.6987600 1338.6989352
-0.0001752	-0.0004000	0.0000000		
3803: 68	18 50	1 67 18 49	0	1339.1850600 1339.1851709
-0.0001109	-0.0004000	0.0000000		
3804: 69	18 51	1 68 18 50	0	1339.4278800 1339.4279137
-0.0000337	-0.0004000	0.0000000		
3805: 70	18 52	1 69 18 51	0	1339.6707100 1339.6704038
0.0003062	-0.0004000	0.0000000		
3806: 72	18 54	1 71 18 53	0	1340.1543200 1340.1546172
-0.0002972	-0.0004000	0.0000000		
3807: 73	18 55	1 72 18 54	0	1340.3962200 1340.3963364
-0.0001164	-0.0004000	0.0000000		
3808: 62	18 45	1 63 18 46	0	1305.9176900 1305.9174747
0.0002153	-0.0004000	0.0000000		
3809: 61	18 44	1 62 18 45	0	1306.1774300 1306.1775334
-0.0001034	-0.0004000	0.0000000		
3810: 60	18 43	1 61 18 44	0	1306.4374600 1306.4375693
-0.0001093	-0.0004000	0.0000000		
3811: 59	18 42	1 60 18 43	0	1306.6973800 1306.6975808
-0.0002008	-0.0004000	0.0000000		
3812: 48	18 31	1 49 18 32	0	1309.5550800 1309.5556438
-0.0005638	-0.0004000	0.0000000		
3813: 47	18 30	1 48 18 31	0	1309.8144800 1309.8152383
-0.0007583	-0.0004000	0.0000000		
3814: 46	18 29	1 47 18 30	0	1310.0747000 1310.0747876
-0.0000876	-0.0004000	0.0000000		
3815: 45	18 28	1 46 18 29	0	1310.3344700 1310.3342900
0.0001800	-0.0004000	0.0000000		
3816: 44	18 27	1 45 18 28	0	1310.5935700 1310.5937440
-0.0001740	-0.0004000	0.0000000		
3817: 40	18 23	1 41 18 24	0	1311.6311400 1311.6310426
0.0000974	-0.0004000	0.0000000		
3818: 39	18 22	1 40 18 23	0	1311.8901900 1311.8902297
-0.0000397	-0.0004000	0.0000000		
3819: 22	18 5	1 23 18 6	0	1316.2864600 1316.2861586
0.0003014	-0.0004000	0.0000000		
3820: 21	18 4	1 22 18 5	0	1316.5439300 1316.5440455
-0.0001155	-0.0004000	0.0000000		
3821: 20	18 3	1 21 18 4	0	1316.8015900 1316.8018445
-0.0002545	-0.0004000	0.0000000		
3822: 19	18 2	1 20 18 3	0	1317.0592900 1317.0595538
-0.0002638	-0.0004000	0.0000000		
3823: 18	18 1	1 19 18 2	0	1317.3166300 1317.3171718
-0.0005418	-0.0004000	0.0000000		
3824: 28	18 11	1 27 18 10	0	1329.2918600 1329.2911010
0.0007590	-0.0004000	0.0000000		
3825: 29	18 12	1 28 18 11	0	1329.5426800 1329.5423377
0.0003423	-0.0004000	0.0000000		
3826: 30	18 13	1 29 18 12	0	1329.7934900 1329.7933986
0.0000914	-0.0004000	0.0000000		
3827: 33	18 16	1 32 18 15	0	1330.5456500 1330.5455091
0.0001409	-0.0004000	0.0000000		
3828: 34	18 17	1 33 18 16	0	1330.7960200 1330.7958491
0.0001709	-0.0004000	0.0000000		
3829: 35	18 18	1 34 18 17	0	1331.0461600 1331.0460043
0.0001557	-0.0004000	0.0000000		
3830: 36	18 19	1 35 18 18	0	1331.2962200 1331.2959730
0.0002470	-0.0004000	0.0000000		
3831: 39	18 22	1 38 18 21	0	1332.0449800 1332.0447408
0.0002392	-0.0004000	0.0000000		
3832: 40	18 23	1 39 18 22	0	1332.2940000 1332.2939446
0.0000554	-0.0004000	0.0000000		

3833:	41	18	24	1	40	18	23	0	1332.5432300	1332.5429525
	0.0002775	-0.0004000	0.0000000							
3834:	44	18	27	1	43	18	26	0	1333.2882600	1333.2887826
	-0.0005226	-0.0004000	0.0000000							
3835:	45	18	28	1	44	18	27	0	1333.5365600	1333.5369885
	-0.0004285	-0.0004000	0.0000000							
3836:	46	18	29	1	45	18	28	0	1333.7846900	1333.7849891
	-0.0002991	-0.0004000	0.0000000							
3837:	47	18	30	1	46	18	29	0	1334.0326700	1334.0327827
	-0.0001127	-0.0004000	0.0000000							
3838:	52	18	35	1	51	18	34	0	1335.2686100	1335.2685767
	0.0000333	-0.0004000	0.0000000							
3839:	53	18	36	1	52	18	35	0	1335.5151200	1335.5150873
	0.0000327	-0.0004000	0.0000000							
3840:	61	18	44	1	60	18	43	0	1337.4788800	1337.4790668
	-0.0001868	-0.0004000	0.0000000							
3841:	64	18	47	1	63	18	46	0	1338.2119300	1338.2117132
	0.0002168	-0.0004000	0.0000000							
3842:	66	18	49	1	65	18	48	0	1338.6987600	1338.6989352
	-0.0001752	-0.0004000	0.0000000							
3843:	68	18	51	1	67	18	50	0	1339.1850600	1339.1851709
	-0.0001109	-0.0004000	0.0000000							
3844:	69	18	52	1	68	18	51	0	1339.4278800	1339.4279137
	-0.0000337	-0.0004000	0.0000000							
3845:	70	18	53	1	69	18	52	0	1339.6707100	1339.6704038
	0.0003062	-0.0004000	0.0000000							
3846:	72	18	55	1	71	18	54	0	1340.1543200	1340.1546172
	-0.0002972	-0.0004000	0.0000000							
3847:	73	18	56	1	72	18	55	0	1340.3962200	1340.3963364
	-0.0001164	-0.0004000	0.0000000							

NORMALIZED DIAGONAL:

1	5.94235E-002	2	3.07000E-001	3	1.65755E-001	4	
1.11053E-002	5	6.14779E-003	6	9.43071E-003			
7	9.99722E-001	8	3.69991E-002	9	1.00000E+000	10	
6.65823E-001	11	1.63893E-002	12	4.48588E-001			
13	1.00000E+000	14	5.84178E-001	15	1.00000E+000	16	
3.44381E-002	17	2.35777E-002	18	1.42777E-001			
19	8.79036E-002	20	5.58509E-002	21	5.40924E-002	22	
8.79147E-001	23	1.00000E+000	24	5.11776E-002			
25	2.28713E-001	26	3.09478E-002	27	1.00000E+000		

MARQUARDT PARAMETER = 0, TRUST EXPANSION = 1.00

NEW PARAMETER (EST. ERROR) -- CHANGE

THIS ITERATION

1	10000	A	41624.719( 41)	0.000
2	20000	B	3997.4064( 77)	-0.0000
3	30000	C	3641.0583( 62)	-0.0000
4	200	-DJ	-2.50187(103)E-03	
0.00000E-03				
5	1100	-DJK	0.038844( 85)	-0.000000
6	2000	-DK	-1.65474( 86)	0.00000
7	40100	-delj	-0.33728( 35)E-03	
-0.00000E-03				
8	41000	-delk	-0.018390(294)	-0.000000
9	300	HJ	0.697799655( 1)E-09	
0.000000000E-09				
10	1200	HJK	0.0472( 64)E-06	
0.00000E-06				
11	2100	HKJ	-0.010867(267)E-03	
0.000000E-03				



12	3000	HK	0.29964(294)E-03										
-0.00000E-03													
13	4000	-LK	-0.056115839( 0)E-06										
0.000000000E-06													
14	11	E	39739665.71( 67)	-0.00									
15	10011	A	41304.876( 45)	0.000									
16	20011	B	3996.5222( 77)	-0.0000									
17	30011	C	3638.0062( 63)	-0.0000									
18	211	-DJ	-2.51154(102)E-03										
-0.00000E-03													
19	1111	-DJK	0.039118( 85)	-0.000000									
20	2011	-DK	-1.63802( 89)	0.00000									
21	40111	-delj	-0.34140( 35)E-03										
-0.00000E-03													
22	41011	-delk	-0.018322(287)	-0.000000									
23	311	HJ	0.697799655( 0)E-09										
0.000000000E-09													
24	1211	HJK	0.0463( 64)E-06										
0.0000E-06													
25	2111	HKJ	-0.010847(267)E-03										
0.000000E-03													
26	3011	HK	0.29675(301)E-03										
-0.00000E-03													
27	4011	-LK	-0.056115839( 0)E-06										
0.000000000E-06													
MICROWAVE AVG =		-0.165567 MHz,	IR AVG =	-0.00000									
MICROWAVE RMS =		0.555087 MHz,	IR RMS =	0.00033									
END OF ITERATION		1 OLD,	NEW RMS ERROR=	0.81942 0.81942									
1	2	-0.373102	1	3	0.016461	1	4	0.195922	1	5	0.087325	1	6
-0.452083	1	7	0.279725	1	8	0.086115	1	9	0.000000				
1	10	-0.117349	1	11	-0.018267	1	12	0.319349	1	13	-0.000000	1	14
-0.019659	1	15	0.907037	1	16	-0.369965	1	17	0.015334				
1	18	0.195205	1	19	0.086662	1	20	-0.431090	1	21	0.277731	1	22
0.086286	1	23	0.000000	1	24	-0.114976	1	25	-0.018563				
1	26	0.310345	1	27	0.000000	2	1	-0.373102	2	3	0.781828	2	4
-0.690881	2	5	-0.565323	2	6	0.410132	2	7	-0.424576				
2	8	-0.175639	2	9	0.000000	2	10	0.523849	2	11	0.266432	2	12
-0.307667	2	13	0.000000	2	14	0.035805	2	15	-0.340646				
2	16	0.991510	2	17	0.779114	2	18	-0.689715	2	19	-0.562114	2	20
0.391409	2	21	-0.413844	2	22	-0.174587	2	23	0.000000				
2	24	0.515770	2	25	0.266125	2	26	-0.299251	2	27	0.000000	3	1
0.016461	3	2	0.781828	3	4	-0.515650	3	5	-0.537013				
3	6	0.234921	3	7	-0.162596	3	8	0.069771	3	9	0.000000	3	10
0.487361	3	11	0.236309	3	12	-0.179506	3	13	0.000000				
3	14	0.031379	3	15	0.012492	3	16	0.774209	3	17	0.993848	3	18
-0.513396	3	19	-0.533866	3	20	0.224499	3	21	-0.150115				
3	22	0.071080	3	23	0.000000	3	24	0.479085	3	25	0.236249	3	26
-0.174955	3	27	0.000000	4	1	0.195922	4	2	-0.690881				
4	3	-0.515650	4	5	0.249802	4	6	-0.206045	4	7	0.634084	4	8
0.674959	4	9	-0.000000	4	10	-0.571139	4	11	-0.002921				
4	12	0.127716	4	13	-0.000000	4	14	-0.019737	4	15	0.173156	4	16
-0.678571	4	17	-0.519475	4	18	0.995931	4	19	0.247074				
4	20	-0.193357	4	21	0.618504	4	22	0.667604	4	23	0.000000	4	24
-0.563562	4	25	-0.001814	4	26	0.121751	4	27	0.000000				
5	1	0.087325	5	2	-0.565323	5	3	-0.537013	5	4	0.249802	5	6
-0.536587	5	7	0.020974	5	8	0.069386	5	9	0.000000				
5	10	-0.481261	5	11	-0.819877	5	12	0.501689	5	13	-0.000000	5	14
-0.023857	5	15	0.096907	5	16	-0.567537	5	17	-0.532732				

5 18 0.256330 5 19 0.997000 5 20 -0.518211 5 21 0.025219 5 22  
0.074555 5 23 0.000000 5 24 -0.480576 5 25 -0.817260  
5 26 0.490787 5 27 0.000000 6 1 -0.452083 6 2 0.410132 6 3  
0.234921 6 4 -0.206045 6 5 -0.536587 6 7 -0.131284  
6 8 -0.078703 6 9 -0.000000 6 10 0.349147 6 11 0.370630 6 12  
-0.958870 6 13 0.000000 6 14 0.036165 6 15 -0.502104  
6 16 0.415943 6 17 0.232732 6 18 -0.212435 6 19 -0.529805 6 20  
0.987249 6 21 -0.138507 6 22 -0.081357 6 23 0.000000  
6 24 0.348370 6 25 0.362608 6 26 -0.948787 6 27 0.000000 7 1  
0.279725 7 2 -0.424576 7 3 -0.162596 7 4 0.634084  
7 5 0.020974 7 6 -0.131284 7 8 0.301109 7 9 0.000000 7 10  
-0.460753 7 11 0.166424 7 12 0.054908 7 13 -0.000000  
7 14 -0.025429 7 15 0.249569 7 16 -0.411889 7 17 -0.166222 7 18  
0.620721 7 19 0.019225 7 20 -0.122371 7 21 0.984945  
7 22 0.286031 7 23 0.000000 7 24 -0.451809 7 25 0.166355 7 26  
0.051448 7 27 0.000000 8 1 0.086115 8 2 -0.175639  
8 3 0.069771 8 4 0.674959 8 5 0.069386 8 6 -0.078703 8 7  
0.301109 8 9 -0.000000 8 10 -0.090978 8 11 -0.100928  
8 12 0.069638 8 13 -0.000000 8 14 0.013666 8 15 0.072954 8 16  
-0.174317 8 17 0.062525 8 18 0.680712 8 19 0.068348  
8 20 -0.071552 8 21 0.304915 8 22 0.997948 8 23 0.000000 8 24  
-0.094544 8 25 -0.097734 8 26 0.064375 8 27 0.000000  
9 1 0.000000 9 2 0.000000 9 3 0.000000 9 4 -0.000000 9 5  
0.000000 9 6 -0.000000 9 7 0.000000 9 8 -0.000000  
9 10 -0.000000 9 11 -0.000000 9 12 0.000000 9 13 -0.000000 9 14  
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0.334426 10 21 -0.449211 10 22 -0.085127 10 23 0.000000  
10 24 0.993028 10 25 -0.022682 10 26 -0.219951 10 27 0.000000 11 1  
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-0.000000 11 10 -0.021102 11 12 -0.428579 11 13 0.000000  
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11 22 -0.108668 11 23 0.000000 11 24 -0.019914 11 25 0.998140 11 26  
-0.422893 11 27 0.000000 12 1 0.319349 12 2 -0.307667  
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12 11 -0.428579 12 13 -0.000000 12 14 -0.027726 12 15 0.386166 12 16  
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-0.000000 13 23 0.000000 13 24 0.000000 13 25 0.000000  
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14 7 -0.025429 14 8 0.013666 14 9 0.000000 14 10 0.018717 14 11  
0.024673 14 12 -0.027726 14 13 -0.000000 14 15 -0.289072  
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0.097833 14 21 -0.009172 14 22 0.015194 14 23 0.000000  
14 24 -0.025079 14 25 0.004262 14 26 -0.055468 14 27 0.000000 15 1  
0.907037 15 2 -0.340646 15 3 0.012492 15 4 0.173156  
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0.000000 17 14 -0.016308 17 15 0.024179 17 16 0.766515  
17 18 -0.518302 17 19 -0.531789 17 20 0.219507 17 21 -0.141081 17 22  
0.065169 17 23 0.000000 17 24 0.481376 17 25 0.233397  
17 26 -0.171698 17 27 0.000000 18 1 0.195205 18 2 -0.689715 18 3  
-0.513396 18 4 0.995931 18 5 0.256330 18 6 -0.212435  
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-0.200405 18 21 0.614370 18 22 0.676753 18 23 0.000000  
18 24 -0.566537 18 25 -0.009539 18 26 0.129320 18 27 0.000000 19 1  
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0.000000 19 10 -0.478479 19 11 -0.817527 19 12 0.497586  
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-0.531789 19 18 0.256382 19 20 -0.511086 19 21 0.025750  
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0.487688 19 27 0.000000 20 1 -0.431090 20 2 0.391409  
20 3 0.224499 20 4 -0.193357 20 5 -0.518211 20 6 0.987249 20 7  
-0.122371 20 8 -0.071552 20 9 -0.000000 20 10 0.334426  
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-0.539208 20 16 0.400053 20 17 0.219507 20 18 -0.200405  
20 19 -0.511086 20 21 -0.133053 20 22 -0.074539 20 23 0.000000 20 24  
0.334132 20 25 0.354332 20 26 -0.960682 20 27 0.000000  
21 1 0.277731 21 2 -0.413844 21 3 -0.150115 21 4 0.618504 21 5  
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21 9 0.000000 21 10 -0.449211 21 11 0.157007 21 12 0.064008 21 13  
-0.000000 21 14 -0.009172 21 15 0.254885 21 16 -0.420877  
21 17 -0.141081 21 18 0.614370 21 19 0.025750 21 20 -0.133053 21 22  
0.293562 21 23 0.000000 21 24 -0.448084 21 25 0.157678  
21 26 0.062068 21 27 0.000000 22 1 0.086286 22 2 -0.174587 22 3  
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-0.108668 22 12 0.073003 22 13 -0.000000 22 14 0.015194  
22 15 0.073936 22 16 -0.175274 22 17 0.065169 22 18 0.676753 22 19  
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22 24 -0.089614 22 25 -0.105415 22 26 0.067928 22 27 0.000000 23 1  
0.000000 23 2 0.000000 23 3 0.000000 23 4 0.000000  
23 5 0.000000 23 6 0.000000 23 7 0.000000 23 8 0.000000 23 9  
0.000000 23 10 0.000000 23 11 0.000000 23 12 0.000000  
23 13 0.000000 23 14 0.000000 23 15 0.000000 23 16 0.000000 23 17  
0.000000 23 18 0.000000 23 19 0.000000 23 20 0.000000  
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0.000000 23 27 0.000000 24 1 -0.114976 24 2 0.515770  
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-0.451809 24 8 -0.094544 24 9 -0.000000 24 10 0.993028  
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-0.100623 24 16 0.517345 24 17 0.481376 24 18 -0.566537  
24 19 -0.484698 24 20 0.334132 24 21 -0.448084 24 22 -0.089614 24 23  
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25 26 -0.416947 25 27 0.000000 26 1 0.310345 26 2 -0.299251 26 3  
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nscl -predict delta A,B,C from OPC1-JMS 200, 287-89 (200Thu Sep 23  
17:59:23 2004