Billet/Bloom# i	Initial position [m]	Weight [kg]	Density [kg/(mm^3)]	Transformation Temp. [K]	Specific heat coefficient model parameters [J/(kg*K)]								Thermal conductivity model parameters [W/(m*K)]				Heat transfer coefficient model parameters [W/(m^2*K)]				emissivity				Atmosphere temperature limit								Heating speed limit	Goal center temperature	Surface Temperature limit		Lot #	Lot size
					Tb≤Transformation Temp.				Tb>Transformation Temp.																Uppler				Lower						Upper	Lower		
					asb	bsb	csb	dsb	asa	bsa	csa	dsa	ac	bc	cc	dc	at	bt	ct	dt	ae	be	ce	de	Zone1	Zone2	Zone3	Zone4	Zone1	Zone2	Zone3	Zone4						
1	-400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
2	-800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
3	-1200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
4	-1600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
5	-2000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
6	-2400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
7	-2800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
8	-3200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
9	-3600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
10	-4000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
11	-4400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
12	-4800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
13	-5200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
14	-5600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
15	-6000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
16	-6400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
17	-6800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
18	-7200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
19	-7600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
20	-8000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
21	-8400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
22	-8800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
23	-9200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
24	-9600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
25	-10000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
26	-10400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
27	-10800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
28	-11200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
29	-11600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
30	-12000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
31	-12400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
32	-12800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
33	-13200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
34	-13600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
35	-14000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
36	-14400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
37	-14800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
38	-15200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
39	-15600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
40	-16000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
41	-16400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
42	-16800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
43	-17200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
44	-17600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
45	-18000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
46	-18400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
47	-18800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
48	-19200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
49	-19600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
50	-20000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
51	-20400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
52	-20800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
53	-21200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
54	-21600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
55	-22000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
56	-22400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
57	-22800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
58	-23200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
59	-23600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
60	-24000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
61	-24400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
62	-24800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
63	-25200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
64	-25600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
65	-26000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
66	-26400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
67	-26800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
68	-27200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
69	-27600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
70	-28000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
71	-28400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
72	-28800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
73	-29200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
74	-29600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
75	-30000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
76	-30400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
77	-30800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
78	-31200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
79	-31600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
80	-32000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
81	-32400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
82	-32800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
83	-33200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259

100	-40000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
101	-40400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
102	-40800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
103	-41200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
104	-41600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
105	-42000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
106	-42400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
107	-42800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
108	-43200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
109	-43600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
110	-44000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
111	-44400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
112	-44800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
113	-45200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
114	-45600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
115	-46000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
116	-46400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
117	-46800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
118	-47200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
119	-47600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
120	-48000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
121	-48400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
122	-48800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
123	-49200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
124	-49600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
125	-50000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
126	-50400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
127	-50800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
128	-51200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
129	-51600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
130	-52000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
131	-52400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
132	-52800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
133	-53200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
134	-53600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
135	-54000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
136	-54400	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
137	-54800	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
138	-55200	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
139	-55600	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140
140	-56000	2110	0.0000078	1023	1.1E-06	-0.0013	0.8539	312.823	-7E-06	0.0296	-41.319	19799	0	-4E-05	0.02259	54.3889	0	0	0	1744	0	0	0	0.95	1373	1473	1473	1323	-	-	-	-	-	1133			1	140