

without springback

```

*KEYWORD                118500000
$-----$
$  LS-Dyna3D - Metal Forming 22:24:50 01-02-2009 by HyperForm Version 7.0  $
$-----$
*CONTROL_TERMINATION
$  ENDTIM      ENDCYC      DTMIN      ENDENG      ENDMAS
  0.0125204    0          0.0        0.0         0.0
*CONTROL_TIMESTEP
$  DTINIT      TSSFAC      ISDO      TSLIMIT     DT2MS      LCTM      ERODE      MSIST
  0.0          0.90         0          0.0        4.000E-07  0          0          0
*CONTROL_SHELL
$  WRPANG      ITRIST      IRNXX     ISTUPD     THEORY     BWC       MITER
  20.0         1          -1         1          2          1          1
*CONTROL_HOURLASS
$  IHQ         QH
  0           0.1
*INTERFACE_SPRINGBACK_NASTRAN
$  PSID
  1
*INTERFACE_SPRINGBACK_DYNA3D
$  PSID
  1
*CONTROL_CONTACT
$  SLSFAC      RWPNAL      ISLCHK     SHLTHK     PENOPT     THKCHG     ORIEN
  0.01         1.0         2          1          1          1          1
$  USRSTR      USRFRC      NSBCS     INTERM     XPENE     SSTHK      ECDD      TIEDPRJ
  0           0          10         0          4.0       0          0          0
*CONTROL_ADAPTIVE
$  ADPFREQ     ADPTOL     ADPOPT     MAXLVL     TBIRTH     TDEATH     LCADP     IOFLAG
  6.0000E-04  5.0        2          3          0.0       0.0        0          0
$  ADPSIZE     ADPASS     IREFLAG     ADPENE     ADPTH
  0.0         1          0          5.0       0.0
$DATABASE_OPTION -- Control Cards for ASCII output
*DATABASE_GLSTAT
2.8143E-04
*DATABASE_MATSUM
2.8143E-04
*DATABASE_RCFORC
2.8143E-04
*DATABASE_BNDOUT
2.8143E-04
*DATABASE_BINARY_D3PLOT
$  DT/CYCL     LCDD      BEAM      NPLTC
  6.2602E-04  0          0          0
*DATABASE_EXTENT_BINARY
$  NEIPH      NEIPS     MAXINT     STRFLG     SIGFLG     EPSFLG     RLTLFLG     ENGFLG
  0          0          3          1          1          1          1          1
$  CMPFLG     IEVERP     BEAMIP     DCOMP      SHGE       STSSZ
  0          0          0          1          1          1
*MAT_RIGID
$HMNAME MATS      9          binder_mat
$  ID        RHO      E          NU          N          COUPLE     M          ALIAS
  97.8000E-09 210000.0  0.3        0.0        0.0        0.0        0.0
$  CMO        CON1     CON2
  1.0         4.0     7.0
$  A1        A2      A3          V1          V2          V3          SYSTEM
  0.0         0.0     0.0        0.0        0.0        0.0
*MAT_RIGID
$HMNAME MATS      8          die_mat
$  ID        RHO      E          NU          N          COUPLE     M          ALIAS
  87.8000E-09 210000.0  0.3        0.0        0.0        0.0        0.0
$  CMO        CON1     CON2
  1.0         7.0     7.0

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without springback
$      A1      A2      A3      V1      V2      V3      SYSTEM
      0.0      0.0      0.0      0.0      0.0      0.0
*MAT_RIGID
$HMNAME MATS      10      punch_mat
$      ID      RHO      E      NU      N      COUPLE      M      ALIAS
      107.8000E-09 210000.0      0.3      0.0      0.0      0.0
$      CMO      CON1      CON2
      1.0      4.0      7.0
$      A1      A2      A3      V1      V2      V3      SYSTEM
      0.0      0.0      0.0      0.0      0.0      0.0
*MAT_POWER_LAW_PLASTICITY
$HMNAME MATS      5      sheet
$      ID      RHO      E      NU      K      N      SRC      SRP
      57.8000E-09 210000.0      0.3      0.0      0.0      0.0
$      SIGY      VP
      0.0      0

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\$ Sets Defined In HyperMesh

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*SET_PART_LIST
$HMSET
$HMNAME SETS      1      Part_Set_Dynain
      1      0.0      0.0      0.0      0.0
      7
*PART
$HMNAME COMPS      2      die
$HMCOLOR COMPS      2      7
$      ID      SID      MID      EOSID      HGID      GRSV      ADPOPT
      2      2      8      0      0      0      0
*PART
$HMNAME COMPS      6      Punch
$HMCOLOR COMPS      6      5
$      ID      SID      MID      EOSID      HGID      GRSV      ADPOPT
      6      2      10      0      0      0      0
*PART
$HMNAME COMPS      7      blank
$HMCOLOR COMPS      7      1
$      ID      SID      MID      EOSID      HGID      GRSV      ADPOPT
      7      1      5      0      0      0      0
*SECTION_SHELL
$HMNAME PROPS      1      sheet
$      ID      ELFORM      SHRF      NIP      PROPT      QR      ICOMP
      1      2      1.0      3      0.0      0.0      0
$      T1      T2      T3      T4      NLOC
      1.0      1.0      1.0      1.0      0.0
$HMNAME PROPS      2      tool_sec
$      ID      ELFORM      SHRF      NIP      PROPT      QR      ICOMP
      2      2      1.0      3      0.0      0.0      0
$      T1      T2      T3      T4      NLOC
      0.1      0.1      0.1      0.1      0.0
*BOUNDARY_PRESCRIBED_MOTION_RIGID
$HMNAME LOADCOLS      1      Loadcol_PrcrbRgb-Punch
$HMCOLOR LOADCOLS      1      12
$      PID      DOF      VAD      LCID      SF      VID      TDEATH      TBIRTH
      6      3      0      2      1.0      0      0.0      0.0
*CONTACT_FORMING_ONE_WAY_SURFACE_TO_SURFACE_TITLE
$HMNAME GROUPS      8      Punch_to_blank
$      CID      NAME
      8
$      SSID      MSID      SSTYPE      MSTYPE      SBOXID      MBOXID      Punch_to_blank
      SPR      MPR

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without springback

\$	7	6	3	3	VDC	PENCHK	BT	DT
	FS	FD	DC	VC	20.0	0	0.0	1.0E+20
\$	0.125	0.0	0.0	0.0	SFST	SFMT	FSF	VSF
	SFS	SFM	SST	MST	1.0	1.0	1.0	1.0
\$	1.0	1.0			PENTOL	DEPTH	BSORT	FRCFRQ
	SOFT	SOFSC	LCID2	MAXPAR	0.0	2		1
\$	0	0.10	0	1.0250				
	PENMAX	THKOPT	SHLTHK	SNLOG				
\$	0.0	0	0	1				

*CONTACT_FORMING_ONE_WAY_SURFACE_TO_SURFACE_TITLE

\$HMNAME GROUPS 7 die_to_blank

\$	CID	NAME					die_to_blank	
\$	7							
\$	SSID	MSID	SSTYPE	MSTYPE	SBOXID	MBOXID	SPR	MPR
\$	7	2	3	3				
\$	FS	FD	DC	VC	VDC	PENCHK	BT	DT
	0.125	0.0	0.0	0.0	20.0	0	0.0	1.0E+20
\$	SFS	SFM	SST	MST	SFST	SFMT	FSF	VSF
	1.0	1.0			1.0	1.0	1.0	1.0
\$	SOFT	SOFSC	LCID2	MAXPAR	PENTOL	DEPTH	BSORT	FRCFRQ
	0	0.10	0	1.0250	0.0	2		1
\$	PENMAX	THKOPT	SHLTHK	SNLOG				
\$	0.0	0	0	1				

*DEFINE_CURVE

\$HMNAME CURVES 1 SSC

\$HMCOLOR CURVES 1 1 1

\$HMCURVE 1 1 1

\$	ID	SIDR	SCALEX	SCALEY	OFFA	OFFO	DATTYP
	1	0	1.0	1.0	0.0	0.0	0
		0.0		185.0			
		0.05	293.188134661177				
		0.1	339.127251023815				
		0.15	369.268152772127				
		0.2	392.264484099529				
		0.25	411.083543374608				
		0.3	427.128109004052				
		0.35	441.18118088409				
		0.4	453.727693723629				
		0.45	465.09033801563				
		0.5	475.495477219326				
		0.55	485.108466435246				
		0.6	494.054036698796				
		0.65	502.428763571579				
		0.7	510.309058890008				
		0.75	517.756494042264				
		0.8	524.821462040719				
		0.85	531.545766910722				
		0.9	537.964498431196				
		0.95	544.107417718663				
		1.0		550.0			

*DEFINE_CURVE

\$HMNAME CURVES 2 PrcrbRgb_curve-Punch

\$HMCOLOR CURVES 2 1 12

\$HMCURVE 1 1 1

\$	ID	SIDR	SCALEX	SCALEY	OFFA	OFFO	DATTYP
	2	0	1.0	1.0	0.0	0.0	0
		0.0		0.0			
		0.002		-5000.0			
		0.0105204		-5000.0			
		0.0125204		0.0			

*NODE

		without	springback
15	100.5	-100.00000017	50.512357515686
16	100.5	-100.0000001711	45.678946419086
17	100.5	-100.0000001721	40.845535322485
18	100.5	-100.0000001732	36.012124225884
19	100.5	-100.0000001742	31.178713129284
20	100.5	-100.0000001752	26.345302032683
21	100.5	-100.0000001763	21.511890936082
22	100.5	-100.0000001773	16.678479839482
23	100.5	-100.0000001784	11.845068742881
24	100.5	-100.0000001794	7.0116576462803
25	100.5	-95.00000017107	7.0116576465182
26	100.5	-90.00000016271	7.0116576467561
27	100.5	-85.00000015436	7.0116576469941
28	100.5	-80.00000014601	7.011657647232
29	100.5	-75.00000013766	7.0116576474699
30	100.5	-70.0000001293	7.0116576477079
31	100.5	-65.00000012095	7.0116576479458
32	100.5	-60.0000001126	7.0116576481837
33	100.5	-55.00000010425	7.0116576484217
34	100.5	-50.0000000959	7.0116576486596
35	100.5	-45.00000008754	7.0116576488975
36	100.5	-40.00000007919	7.0116576491355
37	100.5	-35.00000007084	7.0116576493734
38	100.5	-30.00000006249	7.0116576496114
39	100.5	-25.00000005413	7.0116576498493
40	100.5	-20.00000004578	7.0116576500872
41	100.5	-15.00000003743	7.0116576503252
42	100.5	-10.00000002908	7.0116576505631
43	100.5	-5.000000020724	7.011657650801
44	100.5	-1.23721882E-08	7.011657651039
45	100.5	-1.10996946E-08	11.845068747748
46	100.5	-9.82720092E-09	16.678479844458
47	100.5	-8.55470729E-09	21.511890941167
48	100.5	-7.28221367E-09	26.345302037877
49	100.5	-6.00972004E-09	31.178713134586
50	100.5	-4.73722641E-09	36.012124231295
51	100.5	-3.46473278E-09	40.845535328005
52	100.5	-2.19223916E-09	45.678946424714
53	100.5	-9.19744281E-10	50.512357519841
54	100.5	-5.000000031151	50.512357519633
55	100.5	-10.0000000372	50.512357519425
56	100.5	-15.00000004324	50.512357519218
57	100.5	-20.00000004929	50.51235751901
58	100.5	-25.00000005534	50.512357518802
59	100.5	-30.00000006138	50.512357518594
60	100.5	-35.00000006743	50.512357518387
61	100.5	-40.00000007348	50.512357518179
62	100.5	-45.00000007952	50.512357517971
63	100.5	-50.00000008557	50.512357517764
64	100.5	-55.00000009394	50.512357517556
65	100.5	-60.0000001024	50.512357517348
66	100.5	-65.00000011085	50.51235751714
67	100.5	-70.00000011931	50.512357516933
68	100.5	-75.00000012777	50.512357516725
69	100.5	-80.00000013622	50.512357516517
70	100.5	-85.00000014468	50.512357516309
71	100.5	-90.00000015314	50.512357516102
72	100.5	-95.00000016159	50.512357515894
73	100.5	-95.00000017001	11.845068743124
74	100.5	-95.00000016896	16.67847983973
75	100.5	-95.00000016791	21.511890936336
76	100.5	-95.00000016686	26.345302032943
77	100.5	-95.0000001658	31.178713129549

		without	springback
78	100.5	-95.00000016475	36.012124226155
79	100.5	-95.0000001637	40.845535322761
80	100.5	-95.00000016264	45.678946419367
81	100.5	-90.00000016165	11.845068743368
82	100.5	-90.00000016059	16.678479839979
83	100.5	-90.00000015952	21.511890936591
84	100.5	-90.00000015846	26.345302033202
85	100.5	-90.00000015739	31.178713129814
86	100.5	-90.00000015633	36.012124226425
87	100.5	-90.00000015526	40.845535323037
88	100.5	-90.0000001542	45.678946419648
89	100.5	-85.00000015329	11.845068743611
90	100.5	-85.00000015221	16.678479840228
91	100.5	-85.00000015113	21.511890936845
92	100.5	-85.00000015006	26.345302033462
93	100.5	-85.00000014898	31.178713130079
94	100.5	-85.00000014791	36.012124226696
95	100.5	-85.00000014683	40.845535323313
96	100.5	-85.00000014576	45.67894641993
97	100.5	-80.00000014492	11.845068743854
98	100.5	-80.00000014384	16.678479840477
99	100.5	-80.00000014275	21.511890937099
100	100.5	-80.00000014166	26.345302033722
101	100.5	-80.00000014057	31.178713130344
102	100.5	-80.00000013948	36.012124226966
103	100.5	-80.0000001384	40.845535323589
104	100.5	-80.00000013731	45.678946420211
105	100.5	-75.00000013656	11.845068744098
106	100.5	-75.00000013546	16.678479840726
107	100.5	-75.00000013436	21.511890937354
108	100.5	-75.00000013326	26.345302033981
109	100.5	-75.00000013216	31.178713130609
110	100.5	-75.00000013106	36.012124227237
111	100.5	-75.00000012996	40.845535323865
112	100.5	-75.00000012886	45.678946420493
113	100.5	-70.00000012819	11.845068744341
114	100.5	-70.00000012708	16.678479840974
115	100.5	-70.00000012597	21.511890937608
116	100.5	-70.00000012486	26.345302034241
117	100.5	-70.00000012375	31.178713130874
118	100.5	-70.00000012264	36.012124227508
119	100.5	-70.00000012153	40.845535324141
120	100.5	-70.00000012042	45.678946420774
121	100.5	-65.00000011983	11.845068744584
122	100.5	-65.00000011871	16.678479841223
123	100.5	-65.00000011759	21.511890937862
124	100.5	-65.00000011646	26.345302034501
125	100.5	-65.00000011534	31.178713131114
126	100.5	-65.00000011422	36.012124227778
127	100.5	-65.0000001131	40.845535324417
128	100.5	-65.00000011198	45.678946421056
129	100.5	-60.00000011147	11.845068744828
130	100.5	-60.00000011033	16.678479841472
131	100.5	-60.0000001092	21.511890938116
132	100.5	-60.00000010806	26.34530203476
133	100.5	-60.00000010693	31.178713131405
134	100.5	-60.0000001058	36.012124228049
135	100.5	-60.00000010466	40.845535324693
136	100.5	-60.00000010353	45.678946421337
137	100.5	-55.0000001031	11.845068745071
138	100.5	-55.00000010196	16.678479841721
139	100.5	-55.00000010081	21.51189093837
140	100.5	-55.00000009967	26.34530203502

			without springback
141	100.5	-55.00000009852	31.17871313167
142	100.5	-55.00000009738	36.012124228319
143	100.5	-55.00000009623	40.845535324969
144	100.5	-55.00000009509	45.678946421618
145	100.5	-50.00000009474	11.845068745315
146	100.5	-50.00000009358	16.67847984197
147	100.5	-50.00000009242	21.511890938625
148	100.5	-50.00000009127	26.34530203528
149	100.5	-50.00000009011	31.178713131935
150	100.5	-50.00000008895	36.01212422859
151	100.5	-50.0000000878	40.845535325245
152	100.5	-50.00000008664	45.6789464219
153	100.5	-45.00000008638	11.845068745558
154	100.5	-45.00000008521	16.678479842218
155	100.5	-45.00000008404	21.511890938879
156	100.5	-45.00000008287	26.345302035539
157	100.5	-45.0000000817	31.1787131322
158	100.5	-45.00000008053	36.01212422886
159	100.5	-45.00000007936	40.845535325521
160	100.5	-45.0000000782	45.678946422181
161	100.5	-40.00000007801	11.845068745801
162	100.5	-40.00000007683	16.678479842467
163	100.5	-40.00000007565	21.511890939133
164	100.5	-40.00000007447	26.345302035799
165	100.5	-40.00000007329	31.178713132465
166	100.5	-40.00000007211	36.012124229131
167	100.5	-40.00000007093	40.845535325797
168	100.5	-40.00000006975	45.678946422463
169	100.5	-35.00000006965	11.845068746045
170	100.5	-35.00000006846	16.678479842716
171	100.5	-35.00000006726	21.511890939388
172	100.5	-35.00000006607	26.345302036059
173	100.5	-35.00000006488	31.17871313273
174	100.5	-35.00000006369	36.012124229402
175	100.5	-35.0000000625	40.845535326073
176	100.5	-35.00000006131	45.678946422744
177	100.5	-30.00000006128	11.845068746288
178	100.5	-30.00000006008	16.678479842965
179	100.5	-30.00000005888	21.511890939642
180	100.5	-30.00000005767	26.345302036318
181	100.5	-30.00000005647	31.178713132995
182	100.5	-30.00000005527	36.012124229672
183	100.5	-30.00000005406	40.845535326349
184	100.5	-30.00000005286	45.678946423026
185	100.5	-25.00000005292	11.845068746532
186	100.5	-25.0000000517	16.678479843214
187	100.5	-25.00000005049	21.511890939896
188	100.5	-25.00000004928	26.345302036578
189	100.5	-25.00000004806	31.17871313326
190	100.5	-25.00000004685	36.012124229943
191	100.5	-25.00000004563	40.845535326625
192	100.5	-25.00000004442	45.678946423307
193	100.5	-20.00000004456	11.845068746775
194	100.5	-20.00000004333	16.678479843462
195	100.5	-20.0000000421	21.51189094015
196	100.5	-20.00000004088	26.345302036838
197	100.5	-20.00000003965	31.178713133526
198	100.5	-20.00000003842	36.012124230213
199	100.5	-20.0000000372	40.845535326901
200	100.5	-20.00000003597	45.678946423588
201	100.5	-15.00000003619	11.845068747018
202	100.5	-15.00000003495	16.678479843711
203	100.5	-15.00000003372	21.511890940404

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204	100.5	-15.00000003248	26.345302037098
205	100.5	-15.00000003124	31.178713133791
206	100.5	-15.00000003	36.012124230484
207	100.5	-15.00000002876	40.845535327177
208	100.5	-15.00000002753	45.67894642387
209	100.5	-10.00000002783	11.845068747262
210	100.5	-10.00000002658	16.67847984396
211	100.5	-10.00000002533	21.511890940659
212	100.5	-10.00000002408	26.345302037357
213	100.5	-10.00000002283	31.178713134056
214	100.5	-10.00000002158	36.012124230754
215	100.5	-10.00000002033	40.845535327453
216	100.5	-10.00000001908	45.678946424151
217	100.5	-5.000000019464	11.845068747505
218	100.5	-5.000000018203	16.678479844209
219	100.5	-5.000000016942	21.511890940913
220	100.5	-5.000000015681	26.345302037617
221	100.5	-5.00000001442	31.178713134321
222	100.5	-5.000000013159	36.012124231025
223	100.5	-5.000000011898	40.845535327729
224	100.5	-5.000000010637	45.678946424433
225	100.45693171914	-100.0000000888	6.4642792655682
226	100.3285467371	-100.0000000141	5.9296333117651
227	100.11861060721	-99.99999995703	5.4228631762727
228	99.831384006251	-99.9999999155	4.9541677905937
229	99.645187625945	-99.99999989975	4.7197190981378
230	99.292161617405	-99.99999988459	4.3666633302146
231	98.892394779835	-99.99999988286	4.0673679663782
232	98.454098521209	-99.99999989473	3.8280123848244
233	97.986280721081	-99.99999991998	3.6534959627544
234	97.498350323391	-99.99999995908	3.5473183968462
235	97.00026540633	-100.0000000116	3.5116577399074
236	96.999087901451	-95.00000014082	3.5116578487099
237	96.999111258707	-90.00000013381	3.5116578427005
238	96.999134615972	-85.0000001268	3.5116578368471
239	96.999157973245	-80.00000011979	3.5116578311495
240	96.999181330526	-75.00000011278	3.5116578256078
241	96.999204687816	-70.00000010577	3.511657820222
242	96.999228045113	-65.00000009876	3.5116578149921
243	96.999251402419	-60.00000009175	3.511657809918
244	96.999274759733	-55.00000008474	3.5116578049998
245	96.999298117056	-50.00000007772	3.5116578002374
246	96.999321474386	-45.00000007072	3.511657795631
247	96.999344831725	-40.0000000637	3.5116577911804
248	96.999368189072	-35.00000005669	3.5116577868857
249	96.999391546427	-30.00000004968	3.5116577827469
250	96.99941490379	-25.00000004267	3.5116577787639
251	96.999438261162	-20.00000003566	3.5116577749368
252	96.999461618542	-15.00000002865	3.5116577712656
253	96.99948497593	-10.00000002164	3.5116577677503
254	96.999508333326	-5.000000019442	3.5116577643908
255	96.99953169073	-1.92400739E-08	3.5116577611872
256	97.546702658135	5.511228223E-08	3.5546190745087
257	98.081207684981	1.132709791E-07	3.6828456240796
258	98.588004050711	1.547845169E-07	3.8926445342864
259	99.057280586848	1.802788473E-07	4.1801216065326
260	99.291859148259	1.871092710E-07	4.3664012426094
261	99.644969198608	1.877619665E-07	4.7194670331423
262	99.944301135562	1.747614558E-07	5.1192806397053
263	100.18367220326	1.483197417E-07	5.5576180100181
264	100.35819863583	1.087779109E-07	6.0255025147977
265	100.46437242105	5.486472205E-08	6.5135374528562
266	97.546706778201	-4.999999947286	3.5546197352181

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267	97.546706778274	-9.99999994749	3.5546197352296
268	97.546706778347	-14.99999994769	3.5546197352412
269	97.54670677842	-19.9999999479	3.5546197352527
270	97.546706778493	-24.9999999481	3.5546197352642
271	97.546706778566	-29.99999994831	3.5546197352758
272	97.546706778639	-34.99999994851	3.5546197352873
273	97.546706778712	-39.99999994871	3.5546197352988
274	97.546706778785	-44.99999994892	3.5546197353103
275	97.546706778858	-49.99999994912	3.5546197353219
276	97.546706778931	-54.99999994932	3.5546197353334
277	97.546706779004	-59.99999994953	3.5546197353449
278	97.546706779077	-64.99999994973	3.5546197353565
279	97.54670677915	-69.99999994994	3.554619735368
280	97.546706779224	-74.99999995014	3.5546197353795
281	97.546706779296	-79.99999995034	3.5546197353911
282	97.54670677937	-84.99999995055	3.5546197354026
283	97.546706779443	-89.99999995075	3.5546197354141
284	97.546706779516	-94.99999995096	3.5546197354257
285	98.081218179412	-4.999999891331	3.682849051037
286	98.081218179484	-9.99999989154	3.6828490510604
287	98.081218179556	-14.99999989175	3.6828490510837
288	98.081218179628	-19.99999989196	3.6828490511071
289	98.0812181797	-24.99999989217	3.6828490511305
290	98.081218179772	-29.99999989238	3.6828490511539
291	98.081218179844	-34.99999989258	3.6828490511773
292	98.081218179916	-39.99999989279	3.6828490512007
293	98.081218179988	-44.999999893	3.6828490512241
294	98.08121818006	-49.99999989321	3.6828490512475
295	98.081218180132	-54.99999989342	3.6828490512708
296	98.081218180204	-59.99999989363	3.6828490512942
297	98.081218180276	-64.99999989384	3.6828490513176
298	98.081218180348	-69.99999989405	3.682849051341
299	98.08121818042	-74.99999989426	3.6828490513644
300	98.081218180493	-79.99999989447	3.6828490513878
301	98.081218180565	-84.99999989468	3.6828490514112
302	98.081218180637	-89.99999989488	3.6828490514346
303	98.081218180709	-94.99999989509	3.682849051458
304	98.588004060026	-4.999999852027	3.8926445665304
305	98.588004060095	-9.999999852241	3.8926445665656
306	98.588004060164	-14.99999985245	3.8926445666008
307	98.588004060233	-19.99999985267	3.892644566636
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311	98.58800406051	-39.99999985352	3.8926445667768
312	98.588004060579	-44.99999985374	3.892644566812
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314	98.588004060717	-54.99999985417	3.8926445668824
315	98.588004060786	-59.99999985438	3.8926445669176
316	98.588004060856	-64.99999985459	3.8926445669528
317	98.588004060925	-69.99999985481	3.892644566988
318	98.588004060994	-74.99999985502	3.8926445670232
319	98.588004061063	-79.99999985524	3.8926445670584
320	98.588004061132	-84.99999985545	3.8926445670936
321	98.588004061201	-89.99999985566	3.8926445671288
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323	99.057280596343	-4.999999828766	4.1801216502251
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325	99.057280596472	-14.9999998292	4.1801216503184
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327	99.0572805966	-24.99999982964	4.1801216504118
328	99.057280596664	-29.99999982986	4.1801216504584
329	99.057280596729	-34.99999983008	4.1801216505051

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330	99.057280596793	-39.9999998303	4.1801216505518
331	99.057280596857	-44.99999983052	4.1801216505984
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335	99.057280597114	-64.9999998314	4.1801216507851
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337	99.057280597243	-74.99999983183	4.1801216508784
338	99.057280597307	-79.99999983205	4.1801216509251
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364	99.831384012071	-19.99999983256	4.9541678577236
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384	100.11861061094	-24.99999985901	5.422863252632
385	100.11861061098	-29.99999985924	5.4228632527077
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388	100.1186106111	-44.99999985995	5.4228632529346
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390	100.11861061118	-54.99999986042	5.4228632530859
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392	100.11861061125	-64.99999986088	5.4228632532371

			without springback
393	100.11861061129	-69.99999986112	5.4228632533128
394	100.11861061133	-74.99999986135	5.4228632533884
395	100.11861061137	-79.99999986159	5.422863253464
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399	100.32854673866	-4.999999899999	5.9296333954204
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401	100.32854673872	-14.99999990048	5.9296333955854
402	100.32854673874	-19.99999990072	5.9296333956679
403	100.32854673877	-24.99999990096	5.9296333957504
404	100.3285467388	-29.9999999012	5.9296333958329
405	100.32854673882	-34.99999990143	5.9296333959154
406	100.32854673885	-39.99999990167	5.9296333959979
407	100.32854673888	-44.99999990191	5.9296333960804
408	100.3285467389	-49.99999990215	5.9296333961629
409	100.32854673893	-54.99999990239	5.9296333962454
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411	100.32854673898	-64.99999990287	5.9296333964104
412	100.32854673901	-69.99999990311	5.9296333964929
413	100.32854673904	-74.99999990335	5.9296333965754
414	100.32854673906	-79.99999990359	5.9296333966579
415	100.32854673909	-84.99999990383	5.9296333967404
416	100.32854673912	-89.99999990406	5.9296333968228
417	100.32854673915	-94.9999999043	5.9296333969053
418	100.45693171941	-4.999999959267	6.4642793560154
419	100.45693171942	-9.999999959511	6.4642793561028
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421	100.45693171945	-19.99999996	6.4642793562778
422	100.45693171946	-24.99999996024	6.4642793563652
423	100.45693171948	-29.99999996049	6.4642793564527
424	100.45693171949	-34.99999996073	6.4642793565402
425	100.4569317195	-39.99999996098	6.4642793566276
426	100.45693171952	-44.99999996122	6.4642793567151
427	100.45693171953	-49.99999996146	6.4642793568026
428	100.45693171954	-54.99999996171	6.46427935689
429	100.45693171956	-59.99999996195	6.4642793569775
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431	100.45693171959	-69.99999996244	6.4642793571524
432	100.4569317196	-74.99999996269	6.4642793572399
433	100.45693171961	-79.99999996293	6.4642793573273
434	100.45693171963	-84.99999996318	6.4642793574148
435	100.45693171964	-89.99999996342	6.4642793575022
436	100.45693171966	-94.99999996366	6.4642793575897
437	92.052868806751	-100.0000000157	3.5116577394179
438	87.105472207172	-100.0000000198	3.5116577389285
439	82.158075607594	-100.000000024	3.511657738439
440	77.210679008015	-100.0000000281	3.5116577379495
441	72.263282408436	-100.0000000323	3.51165773746
442	67.315885808858	-100.0000000364	3.5116577369706
443	62.368489209279	-100.0000000406	3.5116577364811
444	57.4210926097	-100.0000000447	3.5116577359916
445	52.473696010122	-100.0000000488	3.5116577355021
446	47.526299410543	-100.000000053	3.5116577350126
447	42.578902810964	-100.0000000571	3.5116577345232
448	37.631506211386	-100.0000000613	3.5116577340337
449	32.68410934047	-100.0000000654	3.5116577335442
450	27.736676784544	-100.0000000696	3.5116577330548
451	22.789244228619	-100.0000000737	3.5116577325653
452	17.841811672693	-100.0000000778	3.5116577320758
453	12.894379116768	-100.000000082	3.5116577315863
454	7.9469465608424	-100.0000000861	3.5116577310968
455	2.9997300143351	-100.0000000903	3.5116577306074

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456	2.9997300146579	-95.0000001955	3.5116577306074
457	2.9997300149807	-90.00000018761	3.5116577306074
458	2.9997300153035	-85.00000017972	3.5116577306074
459	2.9997300156263	-80.00000017183	3.5116577306074
460	2.9997300159491	-75.00000016393	3.5116577306075
461	2.9997300162719	-70.00000015604	3.5116577306075
462	2.9997300165947	-65.00000014815	3.5116577306075
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464	2.9997300172403	-55.00000013236	3.5116577306075
465	2.9997300175631	-50.00000012447	3.5116577306076
466	2.9997300178859	-45.00000011657	3.5116577306076
467	2.9997300182087	-40.00000010868	3.5116577306076
468	2.9997300185315	-35.00000010079	3.5116577306076
469	2.9997300188543	-30.0000000929	3.5116577306076
470	2.9997300191771	-25.000000085	3.5116577306076
471	2.9997300194999	-20.00000007711	3.5116577306076
472	2.9997300198227	-15.00000006922	3.5116577306077
473	2.9997300201455	-10.00000006132	3.5116577306077
474	2.9997300204683	-5.00000005343	3.5116577306077
475	2.9997300207911	-5.38480042E-08	3.5116577306077
476	7.9470880034195	-5.20265342E-08	3.5116577322172
477	12.894445986048	-5.02050642E-08	3.5116577338266
478	17.841803968676	-4.83835942E-08	3.5116577354361
479	22.789161951305	-4.65621242E-08	3.5116577370455
480	27.736519933933	-4.47406542E-08	3.511657738655
481	32.683877916562	-4.29191841E-08	3.5116577402644
482	37.63123589919	-4.10977141E-08	3.5116577418739
483	42.578593881818	-3.92762441E-08	3.5116577434833
484	47.525951864447	-3.74547741E-08	3.5116577450928
485	52.473321167811	-3.56332999E-08	3.5116577467022
486	57.420701882922	-3.38118215E-08	3.5116577483117
487	62.368082598034	-3.19903431E-08	3.5116577499211
488	67.315463313145	-3.01688647E-08	3.5116577515306
489	72.262844028257	-2.83473863E-08	3.51165775314
490	77.210224743368	-2.65259080E-08	3.5116577547495
491	82.15760545848	-2.47044296E-08	3.511657756359
492	87.104986173591	-2.28829512E-08	3.5116577579684
493	92.052366888702	-2.10614728E-08	3.5116577595779
494	7.9469060871406	-95.00000019141	3.5116577306074
495	12.894298167121	-95.00000018731	3.5116577306074
496	17.841690247102	-95.00000018321	3.5116577306074
497	22.789082327082	-95.00000017912	3.5116577306074
498	27.736474407063	-95.00000017502	3.5116577306074
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500	37.631258567024	-95.00000016682	3.5116577306074
501	42.578650647005	-95.00000016273	3.5116577306074
502	47.526042726986	-95.00000015863	3.5116577306074
503	52.473434806966	-95.00000015453	3.5116577306074
504	57.420826886947	-95.00000015044	3.5116577306074
505	62.368218966928	-95.00000014634	3.5116577306074
506	67.315611046908	-95.00000014224	3.5116577306074
507	72.263003126889	-95.00000013814	3.5116577306074
508	77.21039520687	-95.00000013405	3.5116577306074
509	82.15778728685	-95.00000012995	3.5116577306074
510	87.105179366831	-95.00000012585	3.5116577306074
511	92.052571446812	-95.00000012175	3.5116577306074
512	7.9469060875667	-90.00000018357	3.5116577306074
513	12.894298167498	-90.00000017952	3.5116577306074
514	17.841690247429	-90.00000017548	3.5116577306074
515	22.78908232736	-90.00000017144	3.5116577306074
516	27.736474407291	-90.00000016739	3.5116577306074
517	32.683866487222	-90.00000016335	3.5116577306074
518	37.631258567153	-90.0000001593	3.5116577306074

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519	42.578650647084	-90.00000015526	3.5116577306074
520	47.526042727015	-90.00000015121	3.5116577306074
521	52.473434806946	-90.00000014717	3.5116577306074
522	57.420826886877	-90.00000014312	3.5116577306074
523	62.368218966808	-90.00000013908	3.5116577306074
524	67.315611046739	-90.00000013503	3.5116577306074
525	72.26300312667	-90.00000013099	3.5116577306074
526	77.210395206601	-90.00000012694	3.5116577306074
527	82.157787286532	-90.0000001229	3.5116577306074
528	87.105179366463	-90.00000011886	3.5116577306074
529	92.052571446394	-90.00000011481	3.5116577306074
530	7.9469060879929	-85.00000017573	3.5116577306074
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784	17.841690252331	-15.00000005946	3.5116577306077
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786	27.736474410704	-15.00000005296	3.5116577306077
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808	47.526042727478	-10.00000003253	3.5116577306077
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829	62.368218964768	-5.000000015672	3.5116577306077
830	67.315611043854	-5.000000012525	3.5116577306077
831	72.263003122942	-5.000000009379	3.5116577306077
832	77.210395202028	-5.000000006232	3.5116577306077
833	82.157787281115	-5.000000003086	3.5116577306077

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834	87.105179360202	-4.999999999939	3.5116577306077
835	92.052571439289	-4.999999996793	3.5116577306077
836	2.4524463089801	-100.000000121	3.554784550643
837	1.9181797905882	-99.9999999502	3.683100769962
838	1.4105342125331	-99.99999990406	3.8934661821844
839	0.942999096569	-99.99999987425	4.1800125712634
840	0.7079389688336	-99.99999986456	4.3666781896806
841	0.3547677223125	-99.99999985902	4.7198837062835
842	0.0556913055894	-99.9999998667	5.1194144771411
843	-0.183691139211	-99.99999988769	5.5577880494829
844	-0.358226625115	-99.99999992186	6.0257305203991
845	-0.464354223592	-99.99999996919	6.5135463038743
846		-0.5 -100.0000000298	7.0116577287137
847		-0.5 -95.00000002948	7.0116577288084
848		-0.5 -90.00000002911	7.0116577289031
849		-0.5 -85.00000002874	7.0116577289978
850		-0.5 -80.00000002838	7.0116577290925
851		-0.5 -75.00000002801	7.0116577291872
852		-0.5 -70.00000002764	7.0116577292819
853		-0.5 -65.00000002727	7.0116577293766
854		-0.5 -60.0000000269	7.0116577294713
855		-0.5 -55.00000002654	7.011657729566
856		-0.5 -50.00000002617	7.0116577296607
857		-0.5 -45.0000000258	7.0116577297554
858		-0.5 -40.00000002543	7.0116577298501
859		-0.5 -35.00000002507	7.0116577299448
860		-0.5 -30.0000000247	7.0116577300395
861		-0.5 -25.00000002433	7.0116577301342
862		-0.5 -20.00000002396	7.0116577302289
863		-0.5 -15.0000000236	7.0116577303236
864		-0.5 -10.00000002323	7.0116577304184
865		-0.5 -5.000000022861	7.0116577305131
866		-0.5 -2.24934395E-08	7.0116577306078
867	-0.456879559986	4.641378041E-08	6.4640851723413
868	-0.32874724788	9.909962412E-08	5.9303823593234
869	-0.118390879543	1.360795027E-07	5.4225588693738
870	0.1683491810854	1.568608764E-07	4.9546537302378
871	0.3547677249001	1.615196132E-07	4.7198837061813
872	0.7079389721065	1.586509329E-07	4.366678189447
873	1.1077795123311	1.425614646E-07	4.0673442845039
874	1.5458090027702	1.134786061E-07	3.8281263167862
875	2.0137533137238	7.083167873E-08	3.6535378591154
876	2.5017189796268	1.533896515E-08	3.5473366611339
877	-0.456901062564	-4.999999952179	6.4640857740843
878	-0.456901062551	-9.999999952492	6.4640857740048
879	-0.456901062539	-14.9999999528	6.4640857739252
880	-0.456901062526	-19.99999995312	6.4640857738456
881	-0.456901062514	-24.99999995343	6.4640857737661
882	-0.456901062501	-29.99999995374	6.4640857736865
883	-0.456901062488	-34.99999995405	6.464085773607
884	-0.456901062476	-39.99999995437	6.4640857735274
885	-0.456901062463	-44.99999995468	6.4640857734478
886	-0.45690106245	-49.99999995499	6.4640857733683
887	-0.456901062438	-54.9999999553	6.4640857732887
888	-0.456901062425	-59.99999995562	6.4640857732091
889	-0.456901062413	-64.99999995593	6.4640857731296
890	-0.4569010624	-69.99999995624	6.46408577305
891	-0.456901062388	-74.99999995655	6.4640857729704
892	-0.456901062375	-79.99999995686	6.4640857728909
893	-0.456901062362	-84.99999995718	6.4640857728113
894	-0.45690106235	-89.99999995749	6.4640857727318
895	-0.456901062337	-94.9999999578	6.4640857726522
896	-0.328795995533	-4.999999897717	5.930400491715

		without	springback
897	-0.328795995512	-9.99999897975	5.930400491652
898	-0.328795995492	-14.9999989823	5.9304004915891
899	-0.328795995472	-19.9999989849	5.9304004915261
900	-0.328795995451	-24.9999989875	5.9304004914631
901	-0.328795995431	-29.99999899	5.9304004914002
902	-0.32879599541	-34.9999989926	5.9304004913372
903	-0.32879599539	-39.9999989952	5.9304004912742
904	-0.328795995369	-44.9999989978	5.9304004912113
905	-0.328795995349	-49.9999990003	5.9304004911483
906	-0.328795995329	-54.9999990029	5.9304004910854
907	-0.328795995308	-59.9999990055	5.9304004910224
908	-0.328795995288	-64.9999990081	5.9304004909594
909	-0.328795995267	-69.9999990106	5.9304004908965
910	-0.328795995247	-74.9999990132	5.9304004908335
911	-0.328795995226	-79.9999990158	5.9304004907705
912	-0.328795995206	-84.9999990184	5.9304004907076
913	-0.328795995186	-89.9999990209	5.9304004906446
914	-0.328795995165	-94.9999990235	5.9304004905816
915	-0.118466490489	-4.99999858933	5.4225804056561
916	-0.118466490466	-9.99999859135	5.4225804056097
917	-0.118466490442	-14.9999985934	5.4225804055633
918	-0.118466490418	-19.9999985954	5.4225804055168
919	-0.118466490395	-24.9999985974	5.4225804054704
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921	-0.118466490348	-34.9999986014	5.4225804053776
922	-0.118466490324	-39.9999986035	5.4225804053311
923	-0.1184664903	-44.9999986055	5.4225804052847
924	-0.118466490277	-49.9999986075	5.4225804052383
925	-0.118466490253	-54.9999986095	5.4225804051918
926	-0.118466490229	-59.9999986115	5.4225804051454
927	-0.118466490206	-64.9999986136	5.422580405099
928	-0.118466490182	-69.9999986156	5.4225804050526
929	-0.118466490158	-74.9999986176	5.4225804050061
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931	-0.118466490111	-84.9999986216	5.4225804049133
932	-0.118466490087	-89.9999986236	5.4225804048668
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934	0.168245965956	-4.99999836364	4.9546771548086
935	0.1682459657178	-9.9999983651	4.954677154778
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937	0.1682459657622	-19.999998368	4.9546771547168
938	0.1682459657845	-24.9999983695	4.9546771546861
939	0.1682459658067	-29.999998371	4.9546771546555
940	0.1682459658289	-34.9999983724	4.9546771546249
941	0.1682459658512	-39.9999983739	4.9546771545943
942	0.1682459658734	-44.9999983754	4.9546771545636
943	0.1682459658956	-49.9999983768	4.954677154533
944	0.1682459659178	-54.9999983783	4.9546771545024
945	0.1682459659401	-59.9999983798	4.9546771544718
946	0.1682459659623	-64.9999983813	4.9546771544412
947	0.1682459659845	-69.9999983827	4.9546771544106
948	0.1682459660068	-74.9999983842	4.9546771543799
949	0.168245966029	-79.9999983857	4.9546771543493
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958	0.5247883007336	-29.9999983014	4.5371220079167
959	0.5247883007502	-34.9999983024	4.5371220079001

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960	0.5247883007668	-39.99999983033	4.5371220078834
961	0.5247883007835	-44.99999983042	4.5371220078667
962	0.5247883008001	-49.99999983051	4.5371220078501
963	0.5247883008168	-54.9999998306	4.5371220078334
964	0.5247883008334	-59.9999998307	4.5371220078167
965	0.52478830085	-64.99999983079	4.5371220078001
966	0.5247883008667	-69.99999983088	4.5371220077834
967	0.5247883008833	-74.99999983097	4.5371220077667
968	0.5247883009	-79.99999983106	4.53712200775
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971	0.5247883009499	-94.99999983134	4.5371220077
972	0.9428495946311	-4.999999839072	4.1800270695676
973	0.9428495946388	-9.999999839108	4.180027069562
974	0.9428495946464	-14.99999983914	4.1800270695564
975	0.9428495946541	-19.99999983918	4.1800270695508
976	0.9428495946618	-24.99999983922	4.1800270695452
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979	0.9428495946848	-39.99999983932	4.1800270695284
980	0.9428495946924	-44.99999983936	4.1800270695228
981	0.9428495947001	-49.9999998394	4.1800270695172
982	0.9428495947078	-54.99999983943	4.1800270695116
983	0.9428495947154	-59.99999983947	4.180027069506
984	0.9428495947231	-64.99999983951	4.1800270695004
985	0.9428495947307	-69.99999983954	4.1800270694948
986	0.9428495947384	-74.99999983958	4.1800270694893
987	0.9428495947461	-79.99999983962	4.1800270694837
988	0.9428495947537	-84.99999983965	4.1800270694781
989	0.9428495947614	-89.99999983969	4.1800270694725
990	0.9428495947691	-94.99999983972	4.1800270694669
991	1.4103646839097	-4.999999864205	3.8934756391784
992	1.4103646839053	-9.999999864186	3.8934756391806
993	1.4103646839009	-14.99999986417	3.8934756391828
994	1.4103646838966	-19.99999986415	3.893475639185
995	1.4103646838922	-24.99999986413	3.8934756391872
996	1.4103646838878	-29.99999986411	3.8934756391894
997	1.4103646838834	-34.99999986409	3.8934756391916
998	1.4103646838791	-39.99999986408	3.8934756391938
999	1.4103646838747	-44.99999986406	3.893475639196
1000	1.4103646838703	-49.99999986404	3.8934756391982
1001	1.410364683866	-54.99999986402	3.8934756392004
1002	1.4103646838616	-59.999999864	3.8934756392026
1003	1.4103646838572	-64.99999986398	3.8934756392048
1004	1.4103646838528	-69.99999986396	3.893475639207
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1006	1.4103646838441	-79.99999986393	3.8934756392114
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1008	1.4103646838354	-89.99999986389	3.8934756392158
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1010	1.9179936617388	-4.999999905625	3.6831051496543
1011	1.9179936617207	-9.999999905551	3.6831051496602
1012	1.9179936617026	-14.99999990548	3.683105149666
1013	1.9179936616845	-19.9999999054	3.6831051496719
1014	1.9179936616664	-24.99999990533	3.6831051496778
1015	1.9179936616482	-29.99999990526	3.6831051496836
1016	1.9179936616301	-34.99999990518	3.6831051496895
1017	1.917993661612	-39.99999990511	3.6831051496954
1018	1.9179936615939	-44.99999990503	3.6831051497013
1019	1.9179936615758	-49.99999990496	3.6831051497071
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1022	1.9179936615214	-64.99999990474	3.6831051497247

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1023	1.9179936615033	-69.99999990466	3.6831051497306
1024	1.9179936614852	-74.99999990459	3.6831051497365
1025	1.9179936614671	-79.99999990452	3.6831051497424
1026	1.9179936614449	-84.99999990444	3.6831051497482
1027	1.9179936614309	-89.99999990437	3.6831051497541
1028	1.9179936614128	-94.99999990429	3.68310514976
1029	2.4522447296772	-4.999999962836	3.5547857104108
1030	2.4522447296443	-9.999999962707	3.554785710416
1031	2.4522447296115	-14.99999996258	3.5547857104211
1032	2.4522447295787	-19.99999996245	3.5547857104263
1033	2.4522447295458	-24.99999996232	3.5547857104315
1034	2.452244729513	-29.99999996219	3.5547857104367
1035	2.4522447294802	-34.99999996206	3.5547857104419
1036	2.4522447294473	-39.99999996193	3.5547857104471
1037	2.4522447294145	-44.9999999618	3.5547857104522
1038	2.4522447293816	-49.99999996167	3.5547857104574
1039	2.4522447293488	-54.99999996154	3.5547857104626
1040	2.452244729316	-59.99999996142	3.5547857104678
1041	2.4522447292831	-64.99999996129	3.554785710473
1042	2.4522447292503	-69.99999996116	3.5547857104782
1043	2.4522447292174	-74.99999996103	3.5547857104834
1044	2.4522447291846	-79.9999999609	3.5547857104886
1045	2.4522447291518	-84.99999996077	3.5547857104937
1046	2.4522447291189	-89.99999996064	3.5547857104989
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1048	100.5	-120.0000001702	50.512357514855
1049	100.5	-120.0000001711	45.678946419086
1050	100.5	-120.0000001721	40.845535322485
1051	100.5	-120.0000001732	36.012124225884
1052	100.5	-120.0000001742	31.178713129284
1053	100.5	-120.0000001752	26.345302032683
1054	100.5	-120.0000001763	21.511890936082
1055	100.5	-120.0000001773	16.678479839482
1056	100.5	-120.0000001784	11.845068742881
1057	100.5	-120.0000001794	7.0116576462803
1058	100.5	-115.0000001794	7.0116576462803
1059	100.5	-110.0000001794	7.0116576462803
1060	100.5	-105.0000001794	7.0116576462803
1061	100.5	-105.000000152	50.512357515479
1062	100.5	-110.000000158	50.512357515271
1063	100.5	-115.000000164	50.512357515063
1064	100.5	-105.0000001711	45.678946419086
1065	100.5	-110.0000001711	45.678946419086
1066	100.5	-115.0000001711	45.678946419086
1067	100.5	-105.0000001721	40.845535322485
1068	100.5	-110.0000001721	40.845535322485
1069	100.5	-115.0000001721	40.845535322485
1070	100.5	-105.0000001732	36.012124225884
1071	100.5	-110.0000001732	36.012124225884
1072	100.5	-115.0000001732	36.012124225884
1073	100.5	-105.0000001742	31.178713129284
1074	100.5	-110.0000001742	31.178713129284
1075	100.5	-115.0000001742	31.178713129284
1076	100.5	-105.0000001752	26.345302032683
1077	100.5	-110.0000001752	26.345302032683
1078	100.5	-115.0000001752	26.345302032683
1079	100.5	-105.0000001763	21.511890936082
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1084	100.5	-115.0000001773	16.678479839482
1085	100.5	-105.0000001784	11.845068742881

			without	springback
1086	100.5	-110.0000001784	11.845068742881	
1087	100.5	-115.0000001784	11.845068742881	
1088	100.4643819136	-120.0000000963	6.5136034710503	
1089	100.35823622306	-120.0000000264	6.0256305159649	
1090	100.18375523531	-119.9999999711	5.5577998206619	
1091	99.944445391238	-119.9999999288	5.1195050980579	
1092	99.645187625945	-119.9999998998	4.7197190981378	
1093	99.292161617432	-119.9999998846	4.3666633302382	
1094	98.892394779826	-119.9999998829	4.0673679663726	
1095	98.4540985212	-119.9999998947	3.8280123848201	
1096	97.986283910707	-119.99999992	3.6534968995382	
1097	97.498354006442	-119.9999999591	3.5473189266605	
1098	97.00026540633	-120.0000000116	3.5116577399074	
1099	97.00026540633	-115.0000000116	3.5116577399074	
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1101	97.00026540633	-105.0000000116	3.5116577399074	
1102	100.4643819136	-105.0000000963	6.5136034710503	
1103	100.4643819136	-110.0000000963	6.5136034710503	
1104	100.4643819136	-115.0000000963	6.5136034710503	
1105	100.35823622306	-105.0000000264	6.0256305159649	
1106	100.35823622306	-110.0000000264	6.0256305159649	
1107	100.35823622306	-115.0000000264	6.0256305159649	
1108	100.1837552353	-104.9999999711	5.5577998206456	
1109	100.1837552353	-109.9999999711	5.5577998206456	
1110	100.1837552353	-114.9999999711	5.5577998206456	
1111	99.944445391238	-104.9999999288	5.1195050980579	
1112	99.944445391238	-109.9999999288	5.1195050980579	
1113	99.944445391238	-114.9999999288	5.1195050980579	
1114	99.645187625945	-104.9999998998	4.7197190981378	
1115	99.645187625945	-109.9999998998	4.7197190981378	
1116	99.645187625945	-114.9999998998	4.7197190981378	
1117	99.292161617397	-104.9999998846	4.3666633302078	
1118	99.292161617397	-109.9999998846	4.3666633302078	
1119	99.292161617397	-114.9999998846	4.3666633302078	
1120	98.892394779826	-104.9999998829	4.0673679663726	
1121	98.892394779826	-109.9999998829	4.0673679663726	
1122	98.892394779826	-114.9999998829	4.0673679663726	
1123	98.4540985212	-104.9999998947	3.8280123848201	
1124	98.4540985212	-109.9999998947	3.8280123848201	
1125	98.4540985212	-114.9999998947	3.8280123848201	
1126	97.986289835335	-104.99999992	3.6534986395933	
1127	97.986289835335	-109.99999992	3.6534986395933	
1128	97.986289835335	-114.99999992	3.6534986395933	
1129	97.498354006442	-104.9999999591	3.5473189266605	
1130	97.498354006442	-109.9999999591	3.5473189266605	
1131	97.498354006442	-114.9999999591	3.5473189266605	
1132	92.052868806751	-120.0000000157	3.5116577394179	
1133	87.105472207172	-120.0000000198	3.5116577389285	
1134	82.158075607594	-120.000000024	3.511657738439	
1135	77.210679008015	-120.0000000281	3.5116577379495	
1136	72.263282408436	-120.0000000323	3.51165773746	
1137	67.315885808858	-120.0000000364	3.5116577369706	
1138	62.368489209279	-120.0000000406	3.5116577364811	
1139	57.4210926097	-120.0000000447	3.5116577359916	
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1142	42.578902810964	-120.0000000571	3.5116577345232	
1143	37.631506211386	-120.0000000613	3.5116577340337	
1144	32.684109611807	-120.0000000654	3.5116577335442	
1145	27.736713012228	-120.0000000696	3.5116577330548	
1146	22.78931641265	-120.0000000737	3.5116577325653	
1147	17.841919813071	-120.0000000778	3.5116577320758	
1148	12.894523213492	-120.000000082	3.5116577315863	

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1150	2.9997300143351	-120.0000000903	3.5116577306074
1151	2.9997300143351	-115.0000000903	3.5116577306074
1152	2.9997300143351	-110.0000000903	3.5116577306074
1153	2.9997300143351	-105.0000000903	3.5116577306074
1154	92.052868806751	-105.0000000157	3.5116577394179
1155	92.052868806751	-110.0000000157	3.5116577394179
1156	92.052868806751	-115.0000000157	3.5116577394179
1157	87.105472207172	-105.0000000198	3.5116577389285
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1159	87.105472207172	-115.0000000198	3.5116577389285
1160	82.158075607594	-105.000000024	3.511657738439
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1163	77.210679008015	-105.0000000281	3.5116577379495
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1166	72.263282408436	-105.0000000323	3.51165773746
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1172	62.368489209279	-105.0000000406	3.5116577364811
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1174	62.368489209279	-115.0000000406	3.5116577364811
1175	57.4210926097	-105.0000000447	3.5116577359916
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1178	52.473696010122	-105.0000000488	3.5116577355021
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1181	47.526299410543	-105.000000053	3.5116577350126
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1183	47.526299410543	-115.000000053	3.5116577350126
1184	42.578902810964	-105.0000000571	3.5116577345232
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1187	37.631506211386	-105.0000000613	3.5116577340337
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1190	32.684109611807	-105.0000000654	3.5116577335442
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1193	27.736713012228	-105.0000000696	3.5116577330548
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1195	27.736713012228	-115.0000000696	3.5116577330548
1196	22.78931641265	-105.0000000737	3.5116577325653
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1198	22.78931641265	-115.0000000737	3.5116577325653
1199	17.841919813071	-105.0000000778	3.5116577320758
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1202	12.894523213492	-105.000000082	3.5116577315863
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1205	7.9471266139138	-105.0000000861	3.5116577310968
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1208	2.501718969637	-120.0000000185	3.54733666185
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1213	0.3547677223125	-119.999999859	4.7198837062835
1214	0.0556913036203	-119.9999998667	5.1194144802048
1215	-0.183691143672	-119.9999998877	5.5577880592518
1216	-0.358226628131	-119.9999999219	6.0257305306698
1217	-0.464353334575	-119.9999999692	6.5135401224796
1218		-0.5 -120.0000000298	7.0116577287137
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1222	2.501718969637	-105.0000000185	3.54733666185
1223	2.501718969637	-110.0000000185	3.54733666185
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1225	2.0137533044368	-104.9999999603	3.6535378605186
1226	2.0137533044368	-109.9999999603	3.6535378605186
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1228	1.5458089943313	-104.999999915	3.8281263188117
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1231	1.1077795083772	-104.9999998833	4.0673442847912
1232	1.1077795083772	-109.9999998833	4.0673442847912
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1243	-0.183691143672	-104.9999998877	5.5577880592518
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1261	100.5	19.999999995263	36.012124230794
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1263	100.5	19.999999997808	45.678946424046
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1273	100.5	14.999999990173	16.678479844291
1274	100.5	4.9999999914453	21.511890940916

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1275	100.5	9.9999999914453	21.511890940916
1276	100.5	14.999999991445	21.511890940916
1277	100.5	4.9999999927178	26.345302037542
1278	100.5	9.9999999927178	26.345302037542
1279	100.5	14.999999992718	26.345302037542
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1281	100.5	9.9999999939903	31.178713134168
1282	100.5	14.99999999399	31.178713134168
1283	100.5	4.9999999952628	36.012124230794
1284	100.5	9.9999999952628	36.012124230794
1285	100.5	14.999999995263	36.012124230794
1286	100.5	4.9999999965353	40.84553532742
1287	100.5	9.9999999965353	40.84553532742
1288	100.5	14.999999996535	40.84553532742
1289	100.5	4.9999999978078	45.678946424046
1290	100.5	9.9999999978078	45.678946424046
1291	100.5	14.999999997808	45.678946424046
1292	96.99953169073	4.9999999807599	3.5116577611872
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1296	97.497693715694	20.000000049048	3.5472240069646
1297	97.985708014062	20.000000103988	3.6533278148645
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1306	97.497693715694	5.0000000490478	3.5472240069646
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1309	97.98571389889	5.000000103989	3.6533295421341
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1312	98.453613071489	5.0000001450566	3.8277907069687
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1315	98.892001966703	5.0000001729327	4.067115531482
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1317	98.892001966703	15.000000172933	4.067115531482
1318	99.291859148251	5.0000001871093	4.3664012426025
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1321	99.644969198608	5.000000187762	4.7194670331423
1322	99.644969198608	10.000000187762	4.7194670331423
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1324	99.944301135562	5.0000001747615	5.1192806397053
1325	99.944301135562	10.000000174762	5.1192806397053
1326	99.944301135562	15.000000174762	5.1192806397053
1327	100.18367220326	5.0000001483197	5.5576180100181
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1335	100.46437242105	15.000000054865	6.5135374528562
1336	2.9997300207911	4.999999946152	3.5116577306077
1337	2.9997300207911	9.999999946152	3.5116577306077

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1338	2.9997300207911	14.999999946152	3.5116577306077
1339	2.9997300207911	19.999999946152	3.5116577306077
1340	7.9470880034195	19.999999947974	3.5116577322172
1341	12.894445986048	19.999999949795	3.5116577338266
1342	17.841803968676	19.999999951616	3.5116577354361
1343	22.789161951305	19.999999953438	3.5116577370455
1344	27.736519933933	19.999999955259	3.511657738655
1345	32.683877916562	19.999999957081	3.5116577402644
1346	37.63123589919	19.999999958902	3.5116577418739
1347	42.578593881818	19.999999960724	3.5116577434833
1348	47.525951864447	19.999999962545	3.5116577450928
1349	52.473309847075	19.999999964367	3.5116577467022
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1351	62.368025812332	19.99999996801	3.5116577499211
1352	67.31538379496	19.999999969831	3.5116577515306
1353	72.262741777589	19.999999971653	3.51165775314
1354	77.210099760217	19.999999973474	3.5116577547494
1355	82.157457742845	19.999999975296	3.5116577563589
1356	87.104815725474	19.999999977117	3.5116577579684
1357	92.052173708102	19.999999978938	3.5116577595778
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1363	12.894445986048	14.999999949795	3.5116577338266
1364	17.841803968676	4.9999999516164	3.5116577354361
1365	17.841803968676	9.9999999516164	3.5116577354361
1366	17.841803968676	14.999999951616	3.5116577354361
1367	22.789161951305	4.9999999534379	3.5116577370455
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1369	22.789161951305	14.999999953438	3.5116577370455
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1373	32.683877916562	4.9999999570808	3.5116577402644
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1375	32.683877916562	14.999999957081	3.5116577402644
1376	37.63123589919	4.9999999589023	3.5116577418739
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1379	42.578593881818	4.9999999607238	3.5116577434833
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1382	47.525951864447	4.9999999625452	3.5116577450928
1383	47.525951864447	9.9999999625452	3.5116577450928
1384	47.525951864447	14.999999962545	3.5116577450928
1385	52.473309847075	4.9999999643667	3.5116577467022
1386	52.473309847075	9.9999999643667	3.5116577467022
1387	52.473309847075	14.999999964367	3.5116577467022
1388	57.420667829703	4.9999999661882	3.5116577483117
1389	57.420667829703	9.9999999661882	3.5116577483117
1390	57.420667829703	14.999999966188	3.5116577483117
1391	62.368025812332	4.9999999680096	3.5116577499211
1392	62.368025812332	9.9999999680096	3.5116577499211
1393	62.368025812332	14.99999996801	3.5116577499211
1394	67.31538379496	4.9999999698311	3.5116577515306
1395	67.31538379496	9.9999999698311	3.5116577515306
1396	67.31538379496	14.999999969831	3.5116577515306
1397	72.262741777589	4.9999999716526	3.51165775314
1398	72.262741777589	9.9999999716526	3.51165775314
1399	72.262741777589	14.999999971653	3.51165775314
1400	77.210099760217	4.999999973474	3.5116577547494

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1401	77.210099760217	9.999999973474	3.5116577547494
1402	77.210099760217	14.999999973474	3.5116577547494
1403	82.157457742845	4.9999999752955	3.5116577563589
1404	82.157457742845	9.9999999752955	3.5116577563589
1405	82.157457742845	14.999999975296	3.5116577563589
1406	87.104815725474	4.999999977117	3.5116577579684
1407	87.104815725474	9.999999977117	3.5116577579684
1408	87.104815725474	14.999999977117	3.5116577579684
1409	92.052173708102	4.9999999789385	3.5116577595778
1410	92.052173708102	9.9999999789385	3.5116577595778
1411	92.052173708102	14.999999978938	3.5116577595778
1412		-0.5 4.9999999775066	7.0116577306078
1413		-0.5 9.9999999775066	7.0116577306078
1414		-0.5 14.999999977507	7.0116577306078
1415		-0.5 19.999999977507	7.0116577306078
1416	-0.464353334271	20.000000040773	6.5135401238177
1417	-0.358226627386	20.000000090724	6.025730531516
1418	-0.183691142374	20.00000012756	5.5577880596885
1419	0.0556913055442	20.000000151215	5.1194144803253
1420	0.3547677249001	20.00000016152	4.7198837061813
1421	0.7079389721065	20.000000158651	4.366678189447
1422	1.1077795123311	20.000000142562	4.0673442845039
1423	1.5456307004491	20.000000113493	3.8282077740014
1424	2.0137533096926	20.000000070832	3.6535378602994
1425	2.5017189755048	20.000000015339	3.547336661727
1426	-0.464352834601	5.0000000407735	6.5135366496124
1427	-0.464352834601	10.000000040774	6.5135366496124
1428	-0.464352834601	15.000000040774	6.5135366496124
1429	-0.358226627386	5.0000000907235	6.025730531516
1430	-0.358226627386	10.000000090724	6.025730531516
1431	-0.358226627386	15.000000090724	6.025730531516
1432	-0.183691142374	5.0000001275601	5.5577880596885
1433	-0.183691142374	10.00000012756	5.5577880596885
1434	-0.183691142374	15.00000012756	5.5577880596885
1435	0.0556913017555	5.0000001512154	5.1194144862202
1436	0.0556913017555	10.000000151215	5.1194144862202
1437	0.0556913017555	15.000000151215	5.1194144862202
1438	0.3547677249001	5.0000001615196	4.7198837061813
1439	0.3547677249001	10.00000016152	4.7198837061813
1440	0.3547677249001	15.00000016152	4.7198837061813
1441	0.7079389721065	5.0000001586509	4.366678189447
1442	0.7079389721065	10.000000158651	4.366678189447
1443	0.7079389721065	15.000000158651	4.366678189447
1444	1.1077795123311	5.0000001425615	4.0673442845039
1445	1.1077795123311	10.000000142562	4.0673442845039
1446	1.1077795123311	15.000000142562	4.0673442845039
1447	1.5458089989483	5.0000001134786	3.8281263185321
1448	1.5458089989483	10.000000113479	3.8281263185321
1449	1.5458089989483	15.000000113479	3.8281263185321
1450	2.0137533096926	5.0000000708317	3.6535378602994
1451	2.0137533096926	10.000000070832	3.6535378602994
1452	2.0137533096926	15.000000070832	3.6535378602994
1453	2.5017189755048	5.000000015339	3.547336661727
1454	2.5017189755048	10.000000015339	3.547336661727
1455	2.5017189755048	15.000000015339	3.547336661727
1456	103.99930020994	20.000000000002	54.011657730608
1457	108.64937018894	20.000000000002	54.011657730608
1458	113.29944016795	20.000000000002	54.011657730608
1459	117.94951014696	20.000000000002	54.011657730608
1460	122.59958012596	20.000000000002	54.011657730608
1461	127.24965010497	20.000000000002	54.011657730608
1462	131.89972008398	20.000000000002	54.011657730608
1463	136.54979006298	20.000000000002	54.011657730608

			without springback	
1464	141.19986004199	20.000000000002	54.011657730608	
1465	145.84993002099	20.000000000002	54.011657730608	
1466		150.5	20.000000000002	54.011657730608
1467		150.5	14.999999993955	54.011657730608
1468		150.5	9.9999999879089	54.011657730608
1469		150.5	4.9999999818626	54.011657730608
1470		150.5	-2.41837647E-08	54.011657730608
1471		150.5	-5.00000003023	54.011657730318
1472		150.5	-10.00000003628	54.011657730027
1473		150.5	-15.00000004232	54.011657729736
1474		150.5	-20.00000004837	54.011657729445
1475		150.5	-25.00000005442	54.011657729154
1476		150.5	-30.00000006046	54.011657728864
1477		150.5	-35.00000006651	54.011657728573
1478		150.5	-40.00000007255	54.011657728282
1479		150.5	-45.0000000786	54.011657727991
1480		150.5	-50.00000008465	54.0116577277
1481		150.5	-55.00000009069	54.01165772741
1482		150.5	-60.00000009674	54.011657727119
1483		150.5	-65.00000010278	54.011657726828
1484		150.5	-70.00000010883	54.011657726537
1485		150.5	-75.00000011488	54.011657726246
1486		150.5	-80.00000012092	54.011657725956
1487		150.5	-85.00000012697	54.011657725665
1488		150.5	-90.00000013302	54.011657725374
1489		150.5	-95.00000013906	54.011657725083
1490		150.5	-100.0000001451	54.011657724792
1491		150.5	-105.0000001512	54.011657724792
1492		150.5	-110.0000001572	54.011657724792
1493		150.5	-115.0000001632	54.011657724792
1494		150.5	-120.0000001693	54.011657724792
1495	145.84993002099	-120.0000001693	54.011657724792	
1496	141.19986004199	-120.0000001693	54.011657724792	
1497	136.54979006298	-120.0000001693	54.011657724792	
1498	131.89972008398	-120.0000001693	54.011657724792	
1499	127.24965010497	-120.0000001693	54.011657724792	
1500	122.59958012596	-120.0000001693	54.011657724792	
1501	117.94951014696	-120.0000001693	54.011657724792	
1502	113.29944016795	-120.0000001693	54.011657724792	
1503	108.64937018894	-120.0000001693	54.011657724792	
1504	103.99930020994	-120.0000001693	54.011657724792	
1505	103.99930020994	-115.0000001632	54.011657725	
1506	103.99930020994	-110.0000001572	54.011657725208	
1507	103.99930020994	-105.0000001512	54.011657725416	
1508	103.99930020994	-100.0000001451	54.011657725623	
1509	103.99930020994	-95.00000013906	54.011657725831	
1510	103.99930020994	-90.00000013302	54.011657726039	
1511	103.99930020994	-85.00000012697	54.011657726246	
1512	103.99930020994	-80.00000012092	54.011657726454	
1513	103.99930020994	-75.00000011488	54.011657726662	
1514	103.99930020994	-70.00000010883	54.01165772687	
1515	103.99930020994	-65.00000010278	54.011657727077	
1516	103.99930020994	-60.00000009674	54.011657727285	
1517	103.99930020994	-55.00000009069	54.011657727493	
1518	103.99930020994	-50.00000008465	54.0116577277	
1519	103.99930020994	-45.0000000786	54.011657727908	
1520	103.99930020994	-40.00000007255	54.011657728116	
1521	103.99930020994	-35.00000006651	54.011657728324	
1522	103.99930020994	-30.00000006046	54.011657728531	
1523	103.99930020994	-25.00000005442	54.011657728739	
1524	103.99930020994	-20.00000004837	54.011657728947	
1525	103.99930020994	-15.00000004232	54.011657729154	
1526	103.99930020994	-10.00000003628	54.011657729362	

		without	springback
1527	103.99930020994	-5.00000003023	54.01165772957
1528	103.99930020994	-2.41837554E-08	54.011657729778
1529	103.99930020994	4.9999999818626	54.011657729985
1530	103.99930020994	9.9999999879088	54.011657730193
1531	103.99930020994	14.999999993955	54.011657730401
1532	108.64937018894	14.999999993955	54.011657730608
1533	113.29944016795	14.999999993955	54.011657730608
1534	117.94951014696	14.999999993955	54.011657730608
1535	122.59958012596	14.999999993955	54.011657730608
1536	127.24965010497	14.999999993955	54.011657730608
1537	131.89972008398	14.999999993955	54.011657730608
1538	136.54979006298	14.999999993955	54.011657730608
1539	141.19986004199	14.999999993955	54.011657730608
1540	145.84993002099	14.999999993955	54.011657730608
1541	108.64937018894	9.9999999879089	54.011657730608
1542	113.29944016795	9.9999999879089	54.011657730608
1543	117.94951014696	9.9999999879089	54.011657730608
1544	122.59958012596	9.9999999879089	54.011657730608
1545	127.24965010497	9.9999999879089	54.011657730608
1546	131.89972008398	9.9999999879089	54.011657730608
1547	136.54979006298	9.9999999879089	54.011657730608
1548	141.19986004199	9.9999999879089	54.011657730608
1549	145.84993002099	9.9999999879089	54.011657730608
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1554	127.24965010497	4.9999999818626	54.011657730608
1555	131.89972008398	4.9999999818626	54.011657730608
1556	136.54979006298	4.9999999818626	54.011657730608
1557	141.19986004199	4.9999999818626	54.011657730608
1558	145.84993002099	4.9999999818626	54.011657730608
1559	108.64937018894	-2.41837647E-08	54.011657730608
1560	113.29944016795	-2.41837647E-08	54.011657730608
1561	117.94951014696	-2.41837647E-08	54.011657730608
1562	122.59958012596	-2.41837647E-08	54.011657730608
1563	127.24965010497	-2.41837647E-08	54.011657730608
1564	131.89972008398	-2.41837647E-08	54.011657730608
1565	136.54979006298	-2.41837647E-08	54.011657730608
1566	141.19986004199	-2.41837647E-08	54.011657730608
1567	145.84993002099	-2.41837647E-08	54.011657730608
1568	108.64937018894	-5.00000003023	54.011657730318
1569	113.29944016795	-5.00000003023	54.011657730318
1570	117.94951014696	-5.00000003023	54.011657730318
1571	122.59958012596	-5.00000003023	54.011657730318
1572	127.24965010497	-5.00000003023	54.011657730318
1573	131.89972008398	-5.00000003023	54.011657730318
1574	136.54979006298	-5.00000003023	54.011657730318
1575	141.19986004199	-5.00000003023	54.011657730318
1576	145.84993002099	-5.00000003023	54.011657730318
1577	108.64937018894	-10.00000003628	54.011657730027
1578	113.29944016795	-10.00000003628	54.011657730027
1579	117.94951014696	-10.00000003628	54.011657730027
1580	122.59958012596	-10.00000003628	54.011657730027
1581	127.24965010497	-10.00000003628	54.011657730027
1582	131.89972008398	-10.00000003628	54.011657730027
1583	136.54979006298	-10.00000003628	54.011657730027
1584	141.19986004199	-10.00000003628	54.011657730027
1585	145.84993002099	-10.00000003628	54.011657730027
1586	108.64937018894	-15.00000004232	54.011657729736
1587	113.29944016795	-15.00000004232	54.011657729736
1588	117.94951014696	-15.00000004232	54.011657729736
1589	122.59958012596	-15.00000004232	54.011657729736

without springback			
1590	127.24965010497	-15.00000004232	54.011657729736
1591	131.89972008398	-15.00000004232	54.011657729736
1592	136.54979006298	-15.00000004232	54.011657729736
1593	141.19986004199	-15.00000004232	54.011657729736
1594	145.84993002099	-15.00000004232	54.011657729736
1595	108.64937018894	-20.00000004837	54.011657729445
1596	113.29944016795	-20.00000004837	54.011657729445
1597	117.94951014696	-20.00000004837	54.011657729445
1598	122.59958012596	-20.00000004837	54.011657729445
1599	127.24965010497	-20.00000004837	54.011657729445
1600	131.89972008398	-20.00000004837	54.011657729445
1601	136.54979006298	-20.00000004837	54.011657729445
1602	141.19986004199	-20.00000004837	54.011657729445
1603	145.84993002099	-20.00000004837	54.011657729445
1604	108.64937018894	-25.00000005442	54.011657729154
1605	113.29944016795	-25.00000005442	54.011657729154
1606	117.94951014696	-25.00000005442	54.011657729154
1607	122.59958012596	-25.00000005442	54.011657729154
1608	127.24965010497	-25.00000005442	54.011657729154
1609	131.89972008398	-25.00000005442	54.011657729154
1610	136.54979006298	-25.00000005442	54.011657729154
1611	141.19986004199	-25.00000005442	54.011657729154
1612	145.84993002099	-25.00000005442	54.011657729154
1613	108.64937018894	-30.00000006046	54.011657728864
1614	113.29944016795	-30.00000006046	54.011657728864
1615	117.94951014696	-30.00000006046	54.011657728864
1616	122.59958012596	-30.00000006046	54.011657728864
1617	127.24965010497	-30.00000006046	54.011657728864
1618	131.89972008398	-30.00000006046	54.011657728864
1619	136.54979006298	-30.00000006046	54.011657728864
1620	141.19986004199	-30.00000006046	54.011657728864
1621	145.84993002099	-30.00000006046	54.011657728864
1622	108.64937018894	-35.00000006651	54.011657728573
1623	113.29944016795	-35.00000006651	54.011657728573
1624	117.94951014696	-35.00000006651	54.011657728573
1625	122.59958012596	-35.00000006651	54.011657728573
1626	127.24965010497	-35.00000006651	54.011657728573
1627	131.89972008398	-35.00000006651	54.011657728573
1628	136.54979006298	-35.00000006651	54.011657728573
1629	141.19986004199	-35.00000006651	54.011657728573
1630	145.84993002099	-35.00000006651	54.011657728573
1631	108.64937018894	-40.00000007255	54.011657728282
1632	113.29944016795	-40.00000007255	54.011657728282
1633	117.94951014696	-40.00000007255	54.011657728282
1634	122.59958012596	-40.00000007255	54.011657728282
1635	127.24965010497	-40.00000007255	54.011657728282
1636	131.89972008398	-40.00000007255	54.011657728282
1637	136.54979006298	-40.00000007255	54.011657728282
1638	141.19986004199	-40.00000007255	54.011657728282
1639	145.84993002099	-40.00000007255	54.011657728282
1640	108.64937018894	-45.0000000786	54.011657727991
1641	113.29944016795	-45.0000000786	54.011657727991
1642	117.94951014696	-45.0000000786	54.011657727991
1643	122.59958012596	-45.0000000786	54.011657727991
1644	127.24965010497	-45.0000000786	54.011657727991
1645	131.89972008398	-45.0000000786	54.011657727991
1646	136.54979006298	-45.0000000786	54.011657727991
1647	141.19986004199	-45.0000000786	54.011657727991
1648	145.84993002099	-45.0000000786	54.011657727991
1649	108.64937018894	-50.00000008465	54.0116577277
1650	113.29944016795	-50.00000008465	54.0116577277
1651	117.94951014696	-50.00000008465	54.0116577277
1652	122.59958012596	-50.00000008465	54.0116577277

			without	springback
1653	127.24965010497	-50.00000008465		54.0116577277
1654	131.89972008398	-50.00000008465		54.0116577277
1655	136.54979006298	-50.00000008465		54.0116577277
1656	141.19986004199	-50.00000008465		54.0116577277
1657	145.84993002099	-50.00000008465		54.0116577277
1658	108.64937018894	-55.00000009069		54.01165772741
1659	113.29944016795	-55.00000009069		54.01165772741
1660	117.94951014696	-55.00000009069		54.01165772741
1661	122.59958012596	-55.00000009069		54.01165772741
1662	127.24965010497	-55.00000009069		54.01165772741
1663	131.89972008398	-55.00000009069		54.01165772741
1664	136.54979006298	-55.00000009069		54.01165772741
1665	141.19986004199	-55.00000009069		54.01165772741
1666	145.84993002099	-55.00000009069		54.01165772741
1667	108.64937018894	-60.00000009674		54.011657727119
1668	113.29944016795	-60.00000009674		54.011657727119
1669	117.94951014696	-60.00000009674		54.011657727119
1670	122.59958012596	-60.00000009674		54.011657727119
1671	127.24965010497	-60.00000009674		54.011657727119
1672	131.89972008398	-60.00000009674		54.011657727119
1673	136.54979006298	-60.00000009674		54.011657727119
1674	141.19986004199	-60.00000009674		54.011657727119
1675	145.84993002099	-60.00000009674		54.011657727119
1676	108.64937018894	-65.00000010278		54.011657726828
1677	113.29944016795	-65.00000010278		54.011657726828
1678	117.94951014696	-65.00000010278		54.011657726828
1679	122.59958012596	-65.00000010278		54.011657726828
1680	127.24965010497	-65.00000010278		54.011657726828
1681	131.89972008398	-65.00000010278		54.011657726828
1682	136.54979006298	-65.00000010278		54.011657726828
1683	141.19986004199	-65.00000010278		54.011657726828
1684	145.84993002099	-65.00000010278		54.011657726828
1685	108.64937018894	-70.00000010883		54.011657726537
1686	113.29944016795	-70.00000010883		54.011657726537
1687	117.94951014696	-70.00000010883		54.011657726537
1688	122.59958012596	-70.00000010883		54.011657726537
1689	127.24965010497	-70.00000010883		54.011657726537
1690	131.89972008398	-70.00000010883		54.011657726537
1691	136.54979006298	-70.00000010883		54.011657726537
1692	141.19986004199	-70.00000010883		54.011657726537
1693	145.84993002099	-70.00000010883		54.011657726537
1694	108.64937018894	-75.00000011488		54.011657726246
1695	113.29944016795	-75.00000011488		54.011657726246
1696	117.94951014696	-75.00000011488		54.011657726246
1697	122.59958012596	-75.00000011488		54.011657726246
1698	127.24965010497	-75.00000011488		54.011657726246
1699	131.89972008398	-75.00000011488		54.011657726246
1700	136.54979006298	-75.00000011488		54.011657726246
1701	141.19986004199	-75.00000011488		54.011657726246
1702	145.84993002099	-75.00000011488		54.011657726246
1703	108.64937018894	-80.00000012092		54.011657725956
1704	113.29944016795	-80.00000012092		54.011657725956
1705	117.94951014696	-80.00000012092		54.011657725956
1706	122.59958012596	-80.00000012092		54.011657725956
1707	127.24965010497	-80.00000012092		54.011657725956
1708	131.89972008398	-80.00000012092		54.011657725956
1709	136.54979006298	-80.00000012092		54.011657725956
1710	141.19986004199	-80.00000012092		54.011657725956
1711	145.84993002099	-80.00000012092		54.011657725956
1712	108.64937018894	-85.00000012697		54.011657725665
1713	113.29944016795	-85.00000012697		54.011657725665
1714	117.94951014696	-85.00000012697		54.011657725665
1715	122.59958012596	-85.00000012697		54.011657725665

			without springback
1716	127.24965010497	-85.00000012697	54.011657725665
1717	131.89972008398	-85.00000012697	54.011657725665
1718	136.54979006298	-85.00000012697	54.011657725665
1719	141.19986004199	-85.00000012697	54.011657725665
1720	145.84993002099	-85.00000012697	54.011657725665
1721	108.64937018894	-90.00000013302	54.011657725374
1722	113.29944016795	-90.00000013302	54.011657725374
1723	117.94951014696	-90.00000013302	54.011657725374
1724	122.59958012596	-90.00000013302	54.011657725374
1725	127.24965010497	-90.00000013302	54.011657725374
1726	131.89972008398	-90.00000013302	54.011657725374
1727	136.54979006298	-90.00000013302	54.011657725374
1728	141.19986004199	-90.00000013302	54.011657725374
1729	145.84993002099	-90.00000013302	54.011657725374
1730	108.64937018894	-95.00000013906	54.011657725083
1731	113.29944016795	-95.00000013906	54.011657725083
1732	117.94951014696	-95.00000013906	54.011657725083
1733	122.59958012596	-95.00000013906	54.011657725083
1734	127.24965010497	-95.00000013906	54.011657725083
1735	131.89972008398	-95.00000013906	54.011657725083
1736	136.54979006298	-95.00000013906	54.011657725083
1737	141.19986004199	-95.00000013906	54.011657725083
1738	145.84993002099	-95.00000013906	54.011657725083
1739	108.64937018894	-100.0000001451	54.011657724792
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1741	117.94951014696	-100.0000001451	54.011657724792
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1747	145.84993002099	-100.0000001451	54.011657724792
1748	108.64937018894	-105.0000001512	54.011657724792
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1754	136.54979006298	-105.0000001512	54.011657724792
1755	141.19986004199	-105.0000001512	54.011657724792
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1774	145.84993002099	-115.0000001632	54.011657724792
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1778	-2.411508479547	20.000000177781	53.63042285064

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1780	-1.525126195903	20.000000175015	52.986531619032
1781	-1.168453652527	20.000000173221	52.568924439852
1782	-0.881234964294	20.000000171207	52.100149335387
1783	-0.671242860052	20.000000169029	51.593034955515
1784	-0.542960734981	20.000000166732	51.0583570743
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1787	-0.5	10.000000152454	50.512357604658
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1792	-0.5	-14.99999986524	50.512357603673
1793	-0.5	-19.99999987192	50.512357603469
1794	-0.5	-24.9999998786	50.51235760327
1795	-0.5	-29.99999988528	50.512357603076
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1815	-0.671242860052	-119.999999998	51.593034950757
1816	-0.881234964294	-119.9999999958	52.100149330629
1817	-1.168453652527	-119.9999999938	52.568924435093
1818	-1.525126195903	-119.999999992	52.986531614273
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1823	-3.999300209937	-119.9999999876	54.011657810176
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1842	-3.999300209937	-24.99999987427	54.011657813405
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1906	-2.411508479547	10.00000016585	53.6304228503
1907	-2.411508479547	5.0000001598835	53.63042285013
1908	-2.411508479547	1.539175282E-07	53.630422849961
1909	-2.411508479547	-4.999999852048	53.630422849791
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1913	-2.411508479547	-24.99999987591	53.630422849111
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1916	-2.411508479547	-39.99999989381	53.630422848601
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1918	-2.411508479547	-49.99999990574	53.630422848261
1919	-2.411508479547	-54.99999991171	53.630422848091
1920	-2.411508479547	-59.99999991767	53.630422847921
1921	-2.411508479547	-64.99999992364	53.630422847751
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1933	-1.942733375083	10.000000164616	53.343204162068
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1943	-1.942733375083	-39.99999989504	53.343204160369
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1969	-1.525126195903	-34.99999989061	52.986531617162
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1987	-1.168453652527	10.000000161289	52.568924439512
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2002	-1.168453652527	-64.9999999282	52.568924436963
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2016	-0.881234964294	1.473434506E-07	52.100149334708
2017	-0.881234964294	-4.999999858622	52.100149334538
2018	-0.881234964294	-9.999999864588	52.100149334368
2019	-0.881234964294	-14.99999987055	52.100149334198
2020	-0.881234964294	-19.99999987652	52.100149334028
2021	-0.881234964294	-24.99999988249	52.100149333858
2022	-0.881234964294	-29.99999988845	52.100149333688
2023	-0.881234964294	-34.99999989442	52.100149333518
2024	-0.881234964294	-39.99999990038	52.100149333348
2025	-0.881234964294	-44.99999990635	52.100149333178
2026	-0.881234964294	-49.99999991232	52.100149333008
2027	-0.881234964294	-54.99999991828	52.100149332838
2028	-0.881234964294	-59.99999992425	52.100149332668
2029	-0.881234964294	-64.99999993021	52.100149332498
2030	-0.881234964294	-69.99999993618	52.100149332328

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2031	-0.881234964294	-74.99999994215	52.100149332158
2032	-0.881234964294	-79.99999994811	52.100149331988
2033	-0.881234964294	-84.99999995408	52.100149331818
2034	-0.881234964294	-89.99999996004	52.100149331648
2035	-0.881234964294	-94.99999996601	52.100149331478
2036	-0.881234964294	-99.99999997198	52.100149331308
2037	-0.881234964294	-104.9999999779	52.100149331139
2038	-0.881234964294	-109.9999999839	52.100149330969
2039	-0.881234964294	-114.9999999899	52.100149330799
2040	-0.671242860052	15.000000163063	51.593034955345
2041	-0.671242860052	10.000000157097	51.593034955176
2042	-0.671242860052	5.0000001511309	51.593034955006
2043	-0.671242860052	1.451648826E-07	51.593034954836
2044	-0.671242860052	-4.999999860801	51.593034954666
2045	-0.671242860052	-9.999999866767	51.593034954496
2046	-0.671242860052	-14.99999987273	51.593034954326
2047	-0.671242860052	-19.9999998787	51.593034954156
2048	-0.671242860052	-24.99999988466	51.593034953986
2049	-0.671242860052	-29.99999989063	51.593034953816
2050	-0.671242860052	-34.9999998966	51.593034953646
2051	-0.671242860052	-39.99999990256	51.593034953476
2052	-0.671242860052	-44.99999990853	51.593034953306
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2056	-0.671242860052	-64.99999993239	51.593034952626
2057	-0.671242860052	-69.99999993836	51.593034952456
2058	-0.671242860052	-74.99999994432	51.593034952286
2059	-0.671242860052	-79.99999995029	51.593034952116
2060	-0.671242860052	-84.99999995626	51.593034951946
2061	-0.671242860052	-89.99999996222	51.593034951776
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2064	-0.671242860052	-104.9999999801	51.593034951266
2065	-0.671242860052	-109.9999999861	51.593034951097
2066	-0.671242860052	-114.999999992	51.593034950927
2067	-0.542960734981	15.000000160766	51.058357074131
2068	-0.542960734981	10.0000001548	51.058357073961
2069	-0.542960734981	5.0000001488339	51.058357073791
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2073	-0.542960734981	-14.99999987503	51.058357073111
2074	-0.542960734981	-19.999999881	51.058357072941
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2076	-0.542960734981	-29.99999989293	51.058357072601
2077	-0.542960734981	-34.99999989889	51.058357072431
2078	-0.542960734981	-39.99999990486	51.058357072261
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2080	-0.542960734981	-49.99999991679	51.058357071921
2081	-0.542960734981	-54.99999992276	51.058357071751
2082	-0.542960734981	-59.99999992872	51.058357071581
2083	-0.542960734981	-64.99999993469	51.058357071411
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2086	-0.542960734981	-79.99999995259	51.058357070902
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2088	-0.542960734981	-89.99999996452	51.058357070562
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2090	-0.542960734981	-99.99999997645	51.058357070222
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2094	103.45330074063	-120.0000001693	53.968696989812
2095	102.91862285942	-120.0000001693	53.84041486474
2096	102.41150847955	-120.0000001694	53.630422760498
2097	101.94273337508	-120.0000001695	53.343204072266
2098	101.5251261959	-120.0000001696	52.986531528889
2099	101.16845365253	-120.0000001697	52.56892434971
2100	100.88123496429	-120.0000001698	52.100149245245
2101	100.67124286005	-120.0000001699	51.593034865373
2102	100.54296073498	-120.0000001701	51.058356984158
2103	100.54296073498	19.999999999224	51.058356989974
2104	100.67124286005	19.999999999365	51.593034871189
2105	100.88123496429	19.999999999498	52.100149251061
2106	101.16845365253	19.999999999622	52.568924355526
2107	101.5251261959	19.999999999732	52.986531534706
2108	101.94273337508	19.999999999826	53.343204078082
2109	102.41150847955	19.999999999901	53.630422766314
2110	102.91862285942	19.999999999956	53.840414870556
2111	103.45330074063	19.999999999999	53.968696995628
2112	103.45330074063	14.999999993944	53.96869699542
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2125	103.45330074063	-50.00000008466	53.96869699272
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2156	102.91862285942	-70.00000010888	53.840414866818

			without springback
2157	102.91862285942	-75.00000011492	53.84041486661
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2159	102.91862285942	-85.00000012702	53.840414866194
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2162	102.91862285942	-100.0000001452	53.840414865571
2163	102.91862285942	-105.0000001512	53.840414865364
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2193	101.94273337508	14.999999993779	53.343204077874
2194	101.94273337508	9.9999999877329	53.343204077666
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2215	101.94273337508	-95.00000013924	53.343204073304
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2221	101.5251261959	9.999999987639	52.98653153429
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2225	101.5251261959	-10.00000003655	52.986531533459
2226	101.5251261959	-15.00000004259	52.986531533252
2227	101.5251261959	-20.00000004864	52.986531533044
2228	101.5251261959	-25.00000005468	52.986531532836
2229	101.5251261959	-30.00000006073	52.986531532628
2230	101.5251261959	-35.00000006678	52.986531532421
2231	101.5251261959	-40.00000007282	52.986531532213
2232	101.5251261959	-45.00000007887	52.986531532005
2233	101.5251261959	-50.00000008492	52.986531531797
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2235	101.5251261959	-60.00000009701	52.986531531382
2236	101.5251261959	-65.00000010306	52.986531531174
2237	101.5251261959	-70.0000001091	52.986531530967
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2246	101.5251261959	-115.0000001635	52.986531529097
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2249	101.16845365253	4.9999999814827	52.568924354902
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2253	101.16845365253	-15.0000000427	52.568924354072
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2266	101.16845365253	-80.0000001213	52.568924351371
2267	101.16845365253	-85.00000012735	52.568924351164
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2269	101.16845365253	-95.00000013944	52.568924350748
2270	101.16845365253	-100.0000001455	52.56892435054
2271	101.16845365253	-105.0000001515	52.568924350333
2272	101.16845365253	-110.0000001576	52.568924350125
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2274	100.88123496429	14.999999993452	52.100149250853
2275	100.88123496429	9.9999999874056	52.100149250646
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2280	100.88123496429	-15.00000004283	52.100149249607
2281	100.88123496429	-20.00000004887	52.100149249399
2282	100.88123496429	-25.00000005492	52.100149249192

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2286	100.88123496429	-45.0000000791	52.100149248361
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2288	100.88123496429	-55.0000000912	52.100149247945
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2290	100.88123496429	-65.00000010329	52.10014924753
2291	100.88123496429	-70.00000010934	52.100149247322
2292	100.88123496429	-75.00000011538	52.100149247114
2293	100.88123496429	-80.00000012143	52.100149246907
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2298	100.88123496429	-105.0000001517	52.100149245868
2299	100.88123496429	-110.0000001577	52.10014924566
2300	100.88123496429	-115.0000001638	52.100149245453
2301	100.67124286005	14.999999993318	51.593034870981
2302	100.67124286005	9.9999999872721	51.593034870774
2303	100.67124286005	4.9999999812258	51.593034870566
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2305	100.67124286005	-5.000000030867	51.59303487015
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2307	100.67124286005	-15.00000004296	51.593034869735
2308	100.67124286005	-20.000000049	51.593034869527
2309	100.67124286005	-25.00000005505	51.59303486932
2310	100.67124286005	-30.0000000611	51.593034869112
2311	100.67124286005	-35.00000006714	51.593034868904
2312	100.67124286005	-40.00000007319	51.593034868696
2313	100.67124286005	-45.00000007924	51.593034868489
2314	100.67124286005	-50.00000008528	51.593034868281
2315	100.67124286005	-55.00000009133	51.593034868073
2316	100.67124286005	-60.00000009738	51.593034867866
2317	100.67124286005	-65.00000010342	51.593034867658
2318	100.67124286005	-70.00000010947	51.59303486745
2319	100.67124286005	-75.00000011552	51.593034867242
2320	100.67124286005	-80.00000012156	51.593034867035
2321	100.67124286005	-85.00000012761	51.593034866827
2322	100.67124286005	-90.00000013365	51.593034866619
2323	100.67124286005	-95.0000001397	51.593034866412
2324	100.67124286005	-100.0000001457	51.593034866204
2325	100.67124286005	-105.0000001518	51.593034865996
2326	100.67124286005	-110.0000001578	51.593034865788
2327	100.67124286005	-115.0000001639	51.593034865581
2328	100.54296073498	14.999999993178	51.058356989766
2329	100.54296073498	9.9999999871314	51.058356989559
2330	100.54296073498	4.999999981085	51.058356989351
2331	100.54296073498	-2.49612824E-08	51.058356989143
2332	100.54296073498	-5.000000031008	51.058356988936
2333	100.54296073498	-10.00000003705	51.058356988728
2334	100.54296073498	-15.0000000431	51.05835698852
2335	100.54296073498	-20.00000004915	51.058356988312
2336	100.54296073498	-25.00000005519	51.058356988105
2337	100.54296073498	-30.00000006124	51.058356987897
2338	100.54296073498	-35.00000006728	51.058356987689
2339	100.54296073498	-40.00000007333	51.058356987482
2340	100.54296073498	-45.00000007938	51.058356987274
2341	100.54296073498	-50.00000008542	51.058356987066
2342	100.54296073498	-55.00000009147	51.058356986858
2343	100.54296073498	-60.00000009752	51.058356986651
2344	100.54296073498	-65.00000010356	51.058356986443
2345	100.54296073498	-70.00000010961	51.058356986235

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2346	100.54296073498	-75.00000011566	51.058356986028
2347	100.54296073498	-80.0000001217	51.05835698582
2348	100.54296073498	-85.00000012775	51.058356985612
2349	100.54296073498	-90.0000001338	51.058356985404
2350	100.54296073498	-95.00000013984	51.058356985197
2351	100.54296073498	-100.0000001459	51.058356984989
2352	100.54296073498	-105.0000001519	51.058356984781
2353	100.54296073498	-110.000000158	51.058356984574
2354	100.54296073498	-115.000000164	51.058356984366
2355	-8.649370188943	-119.9999999876	54.011657810176
2356	-13.29944016795	-119.9999999876	54.011657810176
2357	-17.94951014696	-119.9999999876	54.011657810176
2358	-22.59958012596	-119.9999999876	54.011657810176
2359	-27.24965010497	-119.9999999876	54.011657810176
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2361	-36.54979006298	-119.9999999876	54.011657810176
2362	-41.19986004199	-119.9999999876	54.011657810176
2363	-45.84993002099	-119.9999999876	54.011657810176
2364	-50.5	-119.9999999876	54.011657810176
2365	-50.5	-114.9999999817	54.011657810176
2366	-50.5	-109.9999999757	54.011657810176
2367	-50.5	-104.9999999697	54.011657810176
2368	-50.5	-99.99999996376	54.011657810176
2369	-50.5	-94.9999999578	54.011657810414
2370	-50.5	-89.99999995183	54.011657810652
2371	-50.5	-84.99999994587	54.01165781089
2372	-50.5	-79.9999999399	54.011657811128
2373	-50.5	-74.99999993393	54.011657811366
2374	-50.5	-69.99999992797	54.011657811604
2375	-50.5	-64.999999922	54.011657811842
2376	-50.5	-59.99999991604	54.01165781208
2377	-50.5	-54.99999991007	54.011657812318
2378	-50.5	-49.9999999041	54.011657812556
2379	-50.5	-44.99999989814	54.011657812793
2380	-50.5	-39.99999989217	54.011657813031
2381	-50.5	-34.99999988621	54.011657813269
2382	-50.5	-29.99999988024	54.011657813507
2383	-50.5	-24.99999987427	54.011657813745
2384	-50.5	-19.99999986831	54.011657813983
2385	-50.5	-14.99999986234	54.011657814221
2386	-50.5	-9.999999856377	54.011657814459
2387	-50.5	-4.999999850411	54.011657814697
2388	-50.5	1.555553318E-07	54.011657814935
2389	-50.5	5.0000001615213	54.011657814935
2390	-50.5	10.000000167487	54.011657814935
2391	-50.5	15.000000173453	54.011657814935
2392	-50.5	20.000000179419	54.011657814935
2393	-45.84993002099	20.000000179419	54.011657814935
2394	-41.19986004199	20.000000179419	54.011657814935
2395	-36.54979006298	20.000000179419	54.011657814935
2396	-31.89972008397	20.000000179419	54.011657814935
2397	-27.24965010497	20.000000179419	54.011657814935
2398	-22.59958012596	20.000000179419	54.011657814935
2399	-17.94951014696	20.000000179419	54.011657814935
2400	-13.29944016795	20.000000179419	54.011657814935
2401	-8.649370188943	20.000000179419	54.011657814935
2402	-8.649370188943	15.000000173453	54.011657814935
2403	-13.29944016795	15.000000173453	54.011657814935
2404	-17.94951014696	15.000000173453	54.011657814935
2405	-22.59958012596	15.000000173453	54.011657814935
2406	-27.24965010497	15.000000173453	54.011657814935
2407	-31.89972008397	15.000000173453	54.011657814935
2408	-36.54979006298	15.000000173453	54.011657814935

without springback

2409	-41.19986004199	15.000000173453	54.011657814935
2410	-45.84993002099	15.000000173453	54.011657814935
2411	-8.649370188943	10.000000167487	54.011657814935
2412	-13.29944016795	10.000000167487	54.011657814935
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2414	-22.59958012596	10.000000167487	54.011657814935
2415	-27.24965010497	10.000000167487	54.011657814935
2416	-31.89972008397	10.000000167487	54.011657814935
2417	-36.54979006298	10.000000167487	54.011657814935
2418	-41.19986004199	10.000000167487	54.011657814935
2419	-45.84993002099	10.000000167487	54.011657814935
2420	-8.649370188943	5.0000001615213	54.011657814935
2421	-13.29944016795	5.0000001615213	54.011657814935
2422	-17.94951014696	5.0000001615213	54.011657814935
2423	-22.59958012596	5.0000001615213	54.011657814935
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2425	-31.89972008397	5.0000001615213	54.011657814935
2426	-36.54979006298	5.0000001615213	54.011657814935
2427	-41.19986004199	5.0000001615213	54.011657814935
2428	-45.84993002099	5.0000001615213	54.011657814935
2429	-8.649370188943	1.555553279E-07	54.011657814935
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2434	-31.89972008397	1.555553279E-07	54.011657814935
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2438	-8.649370188943	-4.999999850411	54.011657814697
2439	-13.29944016795	-4.999999850411	54.011657814697
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2443	-31.89972008397	-4.999999850411	54.011657814697
2444	-36.54979006298	-4.999999850411	54.011657814697
2445	-41.19986004199	-4.999999850411	54.011657814697
2446	-45.84993002099	-4.999999850411	54.011657814697
2447	-8.649370188943	-9.999999856377	54.011657814459
2448	-13.29944016795	-9.999999856377	54.011657814459
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2451	-27.24965010497	-9.999999856377	54.011657814459
2452	-31.89972008397	-9.999999856377	54.011657814459
2453	-36.54979006298	-9.999999856377	54.011657814459
2454	-41.19986004199	-9.999999856377	54.011657814459
2455	-45.84993002099	-9.999999856377	54.011657814459
2456	-8.649370188943	-14.99999986234	54.011657814221
2457	-13.29944016795	-14.99999986234	54.011657814221
2458	-17.94951014696	-14.99999986234	54.011657814221
2459	-22.59958012596	-14.99999986234	54.011657814221
2460	-27.24965010497	-14.99999986234	54.011657814221
2461	-31.89972008397	-14.99999986234	54.011657814221
2462	-36.54979006298	-14.99999986234	54.011657814221
2463	-41.19986004199	-14.99999986234	54.011657814221
2464	-45.84993002099	-14.99999986234	54.011657814221
2465	-8.649370188943	-19.99999986831	54.011657813983
2466	-13.29944016795	-19.99999986831	54.011657813983
2467	-17.94951014696	-19.99999986831	54.011657813983
2468	-22.59958012596	-19.99999986831	54.011657813983
2469	-27.24965010497	-19.99999986831	54.011657813983
2470	-31.89972008397	-19.99999986831	54.011657813983
2471	-36.54979006298	-19.99999986831	54.011657813983

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2472	-41.19986004199	-19.99999986831	54.011657813983
2473	-45.84993002099	-19.99999986831	54.011657813983
2474	-8.649370188943	-24.99999987427	54.011657813745
2475	-13.29944016795	-24.99999987427	54.011657813745
2476	-17.94951014696	-24.99999987427	54.011657813745
2477	-22.59958012596	-24.99999987427	54.011657813745
2478	-27.24965010497	-24.99999987427	54.011657813745
2479	-31.89972008397	-24.99999987427	54.011657813745
2480	-36.54979006298	-24.99999987427	54.011657813745
2481	-41.19986004199	-24.99999987427	54.011657813745
2482	-45.84993002099	-24.99999987427	54.011657813745
2483	-8.649370188943	-29.99999988024	54.011657813507
2484	-13.29944016795	-29.99999988024	54.011657813507
2485	-17.94951014696	-29.99999988024	54.011657813507
2486	-22.59958012596	-29.99999988024	54.011657813507
2487	-27.24965010497	-29.99999988024	54.011657813507
2488	-31.89972008397	-29.99999988024	54.011657813507
2489	-36.54979006298	-29.99999988024	54.011657813507
2490	-41.19986004199	-29.99999988024	54.011657813507
2491	-45.84993002099	-29.99999988024	54.011657813507
2492	-8.649370188943	-34.99999988621	54.011657813269
2493	-13.29944016795	-34.99999988621	54.011657813269
2494	-17.94951014696	-34.99999988621	54.011657813269
2495	-22.59958012596	-34.99999988621	54.011657813269
2496	-27.24965010497	-34.99999988621	54.011657813269
2497	-31.89972008397	-34.99999988621	54.011657813269
2498	-36.54979006298	-34.99999988621	54.011657813269
2499	-41.19986004199	-34.99999988621	54.011657813269
2500	-45.84993002099	-34.99999988621	54.011657813269
2501	-8.649370188943	-39.99999989217	54.011657813031
2502	-13.29944016795	-39.99999989217	54.011657813031
2503	-17.94951014696	-39.99999989217	54.011657813031
2504	-22.59958012596	-39.99999989217	54.011657813031
2505	-27.24965010497	-39.99999989217	54.011657813031
2506	-31.89972008397	-39.99999989217	54.011657813031
2507	-36.54979006298	-39.99999989217	54.011657813031
2508	-41.19986004199	-39.99999989217	54.011657813031
2509	-45.84993002099	-39.99999989217	54.011657813031
2510	-8.649370188943	-44.99999989814	54.011657812793
2511	-13.29944016795	-44.99999989814	54.011657812793
2512	-17.94951014696	-44.99999989814	54.011657812793
2513	-22.59958012596	-44.99999989814	54.011657812793
2514	-27.24965010497	-44.99999989814	54.011657812793
2515	-31.89972008397	-44.99999989814	54.011657812793
2516	-36.54979006298	-44.99999989814	54.011657812793
2517	-41.19986004199	-44.99999989814	54.011657812793
2518	-45.84993002099	-44.99999989814	54.011657812793
2519	-8.649370188943	-49.9999999041	54.011657812556
2520	-13.29944016795	-49.9999999041	54.011657812556
2521	-17.94951014696	-49.9999999041	54.011657812556
2522	-22.59958012596	-49.9999999041	54.011657812556
2523	-27.24965010497	-49.9999999041	54.011657812556
2524	-31.89972008397	-49.9999999041	54.011657812556
2525	-36.54979006298	-49.9999999041	54.011657812556
2526	-41.19986004199	-49.9999999041	54.011657812556
2527	-45.84993002099	-49.9999999041	54.011657812556
2528	-8.649370188943	-54.99999991007	54.011657812318
2529	-13.29944016795	-54.99999991007	54.011657812318
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2533	-31.89972008397	-54.99999991007	54.011657812318
2534	-36.54979006298	-54.99999991007	54.011657812318

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2535	-41.19986004199	-54.99999991007	54.011657812318
2536	-45.84993002099	-54.99999991007	54.011657812318
2537	-8.649370188943	-59.99999991604	54.01165781208
2538	-13.29944016795	-59.99999991604	54.01165781208
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2542	-31.89972008397	-59.99999991604	54.01165781208
2543	-36.54979006298	-59.99999991604	54.01165781208
2544	-41.19986004199	-59.99999991604	54.01165781208
2545	-45.84993002099	-59.99999991604	54.01165781208
2546	-8.649370188943	-64.999999922	54.011657811842
2547	-13.29944016795	-64.999999922	54.011657811842
2548	-17.94951014696	-64.999999922	54.011657811842
2549	-22.59958012596	-64.999999922	54.011657811842
2550	-27.24965010497	-64.999999922	54.011657811842
2551	-31.89972008397	-64.999999922	54.011657811842
2552	-36.54979006298	-64.999999922	54.011657811842
2553	-41.19986004199	-64.999999922	54.011657811842
2554	-45.84993002099	-64.999999922	54.011657811842
2555	-8.649370188943	-69.99999992797	54.011657811604
2556	-13.29944016795	-69.99999992797	54.011657811604
2557	-17.94951014696	-69.99999992797	54.011657811604
2558	-22.59958012596	-69.99999992797	54.011657811604
2559	-27.24965010497	-69.99999992797	54.011657811604
2560	-31.89972008397	-69.99999992797	54.011657811604
2561	-36.54979006298	-69.99999992797	54.011657811604
2562	-41.19986004199	-69.99999992797	54.011657811604
2563	-45.84993002099	-69.99999992797	54.011657811604
2564	-8.649370188943	-74.99999993393	54.011657811366
2565	-13.29944016795	-74.99999993393	54.011657811366
2566	-17.94951014696	-74.99999993393	54.011657811366
2567	-22.59958012596	-74.99999993393	54.011657811366
2568	-27.24965010497	-74.99999993393	54.011657811366
2569	-31.89972008397	-74.99999993393	54.011657811366
2570	-36.54979006298	-74.99999993393	54.011657811366
2571	-41.19986004199	-74.99999993393	54.011657811366
2572	-45.84993002099	-74.99999993393	54.011657811366
2573	-8.649370188943	-79.9999999399	54.011657811128
2574	-13.29944016795	-79.9999999399	54.011657811128
2575	-17.94951014696	-79.9999999399	54.011657811128
2576	-22.59958012596	-79.9999999399	54.011657811128
2577	-27.24965010497	-79.9999999399	54.011657811128
2578	-31.89972008397	-79.9999999399	54.011657811128
2579	-36.54979006298	-79.9999999399	54.011657811128
2580	-41.19986004199	-79.9999999399	54.011657811128
2581	-45.84993002099	-79.9999999399	54.011657811128
2582	-8.649370188943	-84.99999994587	54.01165781089
2583	-13.29944016795	-84.99999994587	54.01165781089
2584	-17.94951014696	-84.99999994587	54.01165781089
2585	-22.59958012596	-84.99999994587	54.01165781089
2586	-27.24965010497	-84.99999994587	54.01165781089
2587	-31.89972008397	-84.99999994587	54.01165781089
2588	-36.54979006298	-84.99999994587	54.01165781089
2589	-41.19986004199	-84.99999994587	54.01165781089
2590	-45.84993002099	-84.99999994587	54.01165781089
2591	-8.649370188943	-89.99999995183	54.011657810652
2592	-13.29944016795	-89.99999995183	54.011657810652
2593	-17.94951014696	-89.99999995183	54.011657810652
2594	-22.59958012596	-89.99999995183	54.011657810652
2595	-27.24965010497	-89.99999995183	54.011657810652
2596	-31.89972008397	-89.99999995183	54.011657810652
2597	-36.54979006298	-89.99999995183	54.011657810652

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2598	-41.19986004199	-89.99999995183	54.011657810652
2599	-45.84993002099	-89.99999995183	54.011657810652
2600	-8.649370188943	-94.9999999578	54.011657810414
2601	-13.29944016795	-94.9999999578	54.011657810414
2602	-17.94951014696	-94.9999999578	54.011657810414
2603	-22.59958012596	-94.9999999578	54.011657810414
2604	-27.24965010497	-94.9999999578	54.011657810414
2605	-31.89972008397	-94.9999999578	54.011657810414
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2610	-13.29944016795	-99.99999996376	54.011657810176
2611	-17.94951014696	-99.99999996376	54.011657810176
2612	-22.59958012596	-99.99999996376	54.011657810176
2613	-27.24965010497	-99.99999996376	54.011657810176
2614	-31.89972008397	-99.99999996376	54.011657810176
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2616	-41.19986004199	-99.99999996376	54.011657810176
2617	-45.84993002099	-99.99999996376	54.011657810176
2618	-8.649370188943	-104.9999999697	54.011657810176
2619	-13.29944016795	-104.9999999697	54.011657810176
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2621	-22.59958012596	-104.9999999697	54.011657810176
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2647	-0.5	-100.0000000038	36.012124310184
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2649	-0.5	-100.0000000125	26.34530211636
2650	-0.5	-100.0000000168	21.511891019449
2651	-0.5	-100.0000000212	16.678479922537
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2657	-0.5	-120.0000000081	31.178713213272
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2659	-0.5	-119.9999999994	40.845535407096
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2662	-0.5	-110.0000000255	11.845068825625
2663	-0.5	-115.0000000255	11.845068825625
2664	-0.5	-105.0000000212	16.678479922537
2665	-0.5	-110.0000000212	16.678479922537
2666	-0.5	-115.0000000212	16.678479922537
2667	-0.5	-105.0000000168	21.511891019449
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2670	-0.5	-105.0000000125	26.34530211636
2671	-0.5	-110.0000000125	26.34530211636
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2673	-0.5	-105.0000000081	31.178713213272
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2679	-0.5	-104.9999999994	40.845535407096
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2682	-0.5	-104.9999999951	45.678946504007
2683	-0.5	-109.9999999951	45.678946504007
2684	-0.5	-114.9999999951	45.678946504007
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2688	-0.5	8.132856977E-08	31.17871321638
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2691	-0.5	1.903536422E-08	16.678479924917
2692	-0.5	-1.72903764E-09	11.845068827762
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2694	-0.5	-9.99999983912	45.678946508794
2695	-0.5	-14.99999984749	45.678946508547
2696	-0.5	-19.99999985586	45.6789465083
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2698	-0.5	-29.99999987261	45.678946507805
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2716	-0.5	-24.99999986534	40.845535411417
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2750	-0.5	-4.999999833906	31.1787132192
2751	-0.5	-9.999999842313	31.178713218937
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2753	-0.5	-19.99999985913	31.17871321841
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2756	-0.5	-34.99999988435	31.178713217619
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2759	-0.5	-49.99999990957	31.178713216828
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2761	-0.5	-59.99999992638	31.178713216301
2762	-0.5	-64.99999993479	31.178713216037
2763	-0.5	-69.9999999432	31.178713215773
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2765	-0.5	-79.99999996001	31.178713215246
2766	-0.5	-84.99999996842	31.178713214983
2767	-0.5	-89.99999997682	31.178713214719
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2772	-0.5	-19.99999986021	26.34530212178
2773	-0.5	-24.99999986863	26.34530212151
2774	-0.5	-29.99999987705	26.345302121242
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2777	-0.5	-44.99999990231	26.345302120434
2778	-0.5	-49.99999991073	26.345302120165
2779	-0.5	-54.99999991914	26.345302119896
2780	-0.5	-59.99999992756	26.345302119627
2781	-0.5	-64.99999993598	26.345302119358
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2784	-0.5	-79.99999996124	26.345302118551
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2787	-0.5	-94.99999998649	26.345302117744
2788	-0.5	-4.9999999836012	21.511891025973
2789	-0.5	-9.999999844442	21.511891025698
2790	-0.5	-14.99999985287	21.511891025424
2791	-0.5	-19.9999998613	21.51189102515
2792	-0.5	-24.99999986973	21.511891024875
2793	-0.5	-29.99999987816	21.511891024601
2794	-0.5	-34.99999988659	21.511891024326
2795	-0.5	-39.99999989502	21.511891024052
2796	-0.5	-44.99999990345	21.511891023777
2797	-0.5	-49.99999991188	21.511891023503
2798	-0.5	-54.99999992031	21.511891023228
2799	-0.5	-59.99999992874	21.511891022954
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2801	-0.5	-69.9999999456	21.511891022405
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2803	-0.5	-79.99999996246	21.511891021856
2804	-0.5	-84.99999997089	21.511891021581
2805	-0.5	-89.99999997932	21.511891021307
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2818	-0.5	-59.99999992992	16.67847992628
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2821	-0.5	-74.99999995525	16.67847992544
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2823	-0.5	-84.99999997213	16.67847992488
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2825	-0.5	-94.99999998902	16.678479924321
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2828	-0.5	-14.99999985502	11.845068832175
2829	-0.5	-19.99999986348	11.845068831889
2830	-0.5	-24.99999987193	11.845068831604
2831	-0.5	-29.99999988038	11.845068831319
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2839	-0.5	-69.99999994801	11.845068829036
2840	-0.5	-74.99999995646	11.84506882875
2841	-0.5	-79.99999996492	11.845068828465
2842	-0.5	-84.99999997337	11.84506882818
2843	-0.5	-89.99999998182	11.845068827894
2844	-0.5	-94.99999999028	11.845068827609
2845	-0.5	20.000000143622	45.678946507843
2846	-0.5	20.000000122857	40.845535410689
2847	-0.5	20.000000102093	36.012124313534
2848	-0.5	20.000000081329	31.17871321638
2849	-0.5	20.000000060564	26.345302119226

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2852	-0.5	19.99999998271	11.845068827762
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2854	-0.5	10.000000143622	45.678946507843
2855	-0.5	15.000000143622	45.678946507843
2856	-0.5	5.0000001228574	40.845535410689
2857	-0.5	10.000000122857	40.845535410689
2858	-0.5	15.000000122857	40.845535410689
2859	-0.5	5.000000102093	36.012124313534
2860	-0.5	10.000000102093	36.012124313534
2861	-0.5	15.000000102093	36.012124313534
2862	-0.5	5.0000000813286	31.17871321638
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2864	-0.5	15.000000081329	31.17871321638
2865	-0.5	5.0000000605642	26.345302119226
2866	-0.5	10.000000060564	26.345302119226
2867	-0.5	15.000000060564	26.345302119226
2868	-0.5	5.0000000397998	21.511891022071
2869	-0.5	10.0000000398	21.511891022071
2870	-0.5	15.0000000398	21.511891022071
2871	-0.5	5.0000000190354	16.678479924917
2872	-0.5	10.000000019035	16.678479924917
2873	-0.5	15.000000019035	16.678479924917
2874	-0.5	4.99999998271	11.845068827762
2875	-0.5	9.99999998271	11.845068827762
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4356	72.263003125134	-55.00000008092	57.113512089945
4357	67.315611045551	-55.00000008459	57.113512089945
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4359	57.420826886384	-55.00000009194	57.113512089945
4360	52.473434806801	-55.00000009561	57.113512089945
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4362	42.578650647634	-55.00000010296	57.113512089945
4363	37.63125856805	-55.00000010664	57.113512089945
4364	32.683866488467	-55.00000011031	57.113512089945
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4366	22.7890823293	-55.00000011766	57.113512089945
4367	17.841690249717	-55.00000012134	57.113512089945
4368	12.894298170133	-55.00000012501	57.113512089945
4369	7.9469060905497	-55.00000012869	57.113512089945
4370	92.052571434266	-60.00000007316	57.113512089945
4371	87.105179364253	-60.00000007688	57.113512089945
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4373	77.210395204987	-60.00000008434	57.113512089945
4374	72.263003125354	-60.00000008807	57.113512089945
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4376	62.368218966088	-60.00000009552	57.113512089945
4377	57.420826886454	-60.00000009925	57.113512089945
4378	52.473434806821	-60.00000010298	57.113512089945
4379	47.526042727188	-60.00000010671	57.113512089945
4380	42.578650647555	-60.00000011043	57.113512089945
4381	37.631258567922	-60.00000011416	57.113512089945
4382	32.683866488289	-60.00000011789	57.113512089945
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4384	22.789082329023	-60.00000012534	57.113512089945
4385	17.84169024939	-60.00000012907	57.113512089945
4386	12.894298169757	-60.0000001328	57.113512089945
4387	7.9469060901235	-60.00000013653	57.113512089945
4388	92.052571434069	-65.0000000801	57.113512089945
4389	87.105179364621	-65.00000008388	57.113512089945
4390	82.157787284939	-65.00000008766	57.113512089945

without springback			
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4392	72.263003125573	-65.00000009522	57.113512089945
4393	67.31561104589	-65.000000099	57.113512089945
4394	62.368218966208	-65.00000010278	57.113512089945
4395	57.420826886525	-65.00000010656	57.113512089945
4396	52.473434806842	-65.00000011034	57.113512089945
4397	47.526042727159	-65.00000011412	57.113512089945
4398	42.578650647477	-65.0000001179	57.113512089945
4399	37.631258567794	-65.00000012168	57.113512089945
4400	32.683866488111	-65.00000012546	57.113512089945
4401	27.736474408428	-65.00000012924	57.113512089945
4402	22.789082328746	-65.00000013302	57.113512089945
4403	17.841690249063	-65.00000013681	57.113512089945
4404	12.89429816938	-65.00000014059	57.113512089945
4405	7.9469060896974	-65.00000014437	57.113512089945
4406	92.052571433852	-70.00000008704	57.113512089945
4407	87.10517936499	-70.00000009088	57.113512089945
4408	82.157787285257	-70.00000009471	57.113512089945
4409	77.210395205525	-70.00000009854	57.113512089945
4410	72.263003125792	-70.00000010238	57.113512089945
4411	67.31561104606	-70.00000010621	57.113512089945
4412	62.368218966328	-70.00000011004	57.113512089945
4413	57.420826886595	-70.00000011388	57.113512089945
4414	52.473434806863	-70.00000011771	57.113512089945
4415	47.52604272713	-70.00000012154	57.113512089945
4416	42.578650647398	-70.00000012538	57.113512089945
4417	37.631258567666	-70.00000012921	57.113512089945
4418	32.683866487933	-70.00000013304	57.113512089945
4419	27.736474408201	-70.00000013687	57.113512089945
4420	22.789082328468	-70.00000014071	57.113512089945
4421	17.841690248736	-70.00000014454	57.113512089945
4422	12.894298169004	-70.00000014837	57.113512089945
4423	7.9469060892713	-70.00000015221	57.113512089945
4424	92.052571433617	-75.00000009398	57.113512089945
4425	87.105179365358	-75.00000009787	57.113512089945
4426	82.157787285576	-75.00000010176	57.113512089945
4427	77.210395205794	-75.00000010564	57.113512089945
4428	72.263003126012	-75.00000010953	57.113512089945
4429	67.31561104623	-75.00000011342	57.113512089945
4430	62.368218966448	-75.0000001173	57.113512089945
4431	57.420826886666	-75.00000012119	57.113512089945
4432	52.473434806884	-75.00000012507	57.113512089945
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4434	42.57865064732	-75.00000013284	57.113512089945
4435	37.631258567537	-75.00000013673	57.113512089945
4436	32.683866487755	-75.00000014062	57.113512089945
4437	27.736474407973	-75.0000001445	57.113512089945
4438	22.789082328191	-75.00000014839	57.113512089945
4439	17.841690248409	-75.00000015228	57.113512089945
4440	12.894298168627	-75.00000015616	57.113512089945
4441	7.9469060888451	-75.00000016005	57.113512089945
4442	92.052571433362	-80.00000010093	57.113512089945
4443	87.105179365726	-80.00000010487	57.113512089945
4444	82.157787285894	-80.0000001088	57.113512089945
4445	77.210395206063	-80.00000011274	57.113512089945
4446	72.263003126231	-80.00000011668	57.113512089945
4447	67.315611046399	-80.00000012062	57.113512089945
4448	62.368218966568	-80.00000012456	57.113512089945
4449	57.420826886736	-80.0000001285	57.113512089945
4450	52.473434806904	-80.00000013244	57.113512089945
4451	47.526042727073	-80.00000013638	57.113512089945
4452	42.578650647241	-80.00000014032	57.113512089945
4453	37.631258567409	-80.00000014425	57.113512089945

without springback

4454	32.683866487578	-80.00000014819	57.113512089945
4455	27.736474407746	-80.00000015213	57.113512089945
4456	22.789082327914	-80.00000015607	57.113512089945
4457	17.841690248082	-80.00000016001	57.113512089945
4458	12.894298168251	-80.00000016395	57.113512089945
4459	7.946906088419	-80.00000016789	57.113512089945
4460	92.052571433089	-85.00000010787	57.113512089945
4461	87.105179366094	-85.00000011186	57.113512089945
4462	82.157787286213	-85.00000011585	57.113512089945
4463	77.210395206332	-85.00000011984	57.113512089945
4464	72.26300312645	-85.00000012384	57.113512089945
4465	67.315611046569	-85.00000012783	57.113512089945
4466	62.368218966688	-85.00000013182	57.113512089945
4467	57.420826886806	-85.00000013581	57.113512089945
4468	52.473434806925	-85.0000001398	57.113512089945
4469	47.526042727044	-85.00000014379	57.113512089945
4470	42.578650647162	-85.00000014779	57.113512089945
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4472	32.6838664874	-85.00000015577	57.113512089945
4473	27.736474407518	-85.00000015976	57.113512089945
4474	22.789082327637	-85.00000016375	57.113512089945
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4476	12.894298167874	-85.00000017174	57.113512089945
4477	7.9469060879929	-85.00000017573	57.113512089945
4478	92.052571432797	-90.00000011481	57.113512089945
4479	87.105179366463	-90.00000011886	57.113512089945
4480	82.157787286532	-90.0000001229	57.113512089945
4481	77.210395206601	-90.00000012694	57.113512089945
4482	72.26300312667	-90.00000013099	57.113512089945
4483	67.315611046739	-90.00000013503	57.113512089945
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4485	57.420826886877	-90.00000014312	57.113512089945
4486	52.473434806946	-90.00000014717	57.113512089945
4487	47.526042727015	-90.00000015121	57.113512089945
4488	42.578650647084	-90.00000015526	57.113512089945
4489	37.631258567153	-90.0000001593	57.113512089945
4490	32.683866487222	-90.00000016335	57.113512089945
4491	27.736474407291	-90.00000016739	57.113512089945
4492	22.78908232736	-90.00000017144	57.113512089945
4493	17.841690247429	-90.00000017548	57.113512089945
4494	12.894298167498	-90.00000017952	57.113512089945
4495	7.9469060875667	-90.00000018357	57.113512089945
4496	92.052571432486	-95.0000001207	57.113512089945
4497	87.105179366831	-95.00000012485	57.113512089945
4498	82.15778728685	-95.00000012901	57.113512089945
4499	77.21039520687	-95.00000013316	57.113512089945
4500	72.263003126889	-95.00000013732	57.113512089945
4501	67.315611046908	-95.00000014148	57.113512089945
4502	62.368218966928	-95.00000014563	57.113512089945
4503	57.420826886947	-95.00000014979	57.113512089945
4504	52.473434806966	-95.00000015394	57.113512089945
4505	47.526042726986	-95.0000001581	57.113512089945
4506	42.578650647005	-95.00000016226	57.113512089945
4507	37.631258567024	-95.00000016641	57.113512089945
4508	32.683866487044	-95.00000017057	57.113512089945
4509	27.736474407063	-95.00000017472	57.113512089945
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4512	12.894298167121	-95.00000018719	57.113512089945
4513	7.9469060871406	-95.00000019135	57.113512089945
4514	92.052366888312	-2.45378995E-08	57.113512118915
4515	87.104986173201	-2.61662427E-08	57.113512117306
4516	82.157605458089	-2.77945859E-08	57.113512115696

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4517	77.210224742978	-2.94229291E-08	57.113512114087
4518	72.262844027866	-3.10512724E-08	57.113512112477
4519	67.315463312755	-3.26796156E-08	57.113512110868
4520	62.368082597643	-3.43079589E-08	57.113512109258
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4522	52.47332116742	-3.75646452E-08	57.11351210604
4523	47.525951864056	-3.91929843E-08	57.11351210443
4524	42.578593881428	-4.08213192E-08	57.113512102821
4525	37.6312358988	-4.24496540E-08	57.113512101211
4526	32.683877916171	-4.40779889E-08	57.113512099602
4527	27.736519933543	-4.57063235E-08	57.113512097992
4528	22.789161950914	-4.73346584E-08	57.113512096383
4529	17.841803968286	-4.89629934E-08	57.113512094773
4530	12.894445985658	-5.05913282E-08	57.113512093164
4531	7.9470880030292	-5.22196630E-08	57.113512091554
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4533	3.0468488590928	-5.000000053433	57.111659074428
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4535	3.0468488585081	-15.00000006922	57.111659074424
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4537	3.0468488579234	-25.000000085	57.111659074419
4538	3.0468488576311	-30.0000000929	57.111659074416
4539	3.0468488573387	-35.00000010079	57.111659074414
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4542	3.0468488564616	-50.00000012447	57.111659074407
4543	3.0468488561693	-55.00000013236	57.111659074404
4544	3.046848855877	-60.00000014026	57.111659074402
4545	3.0468488555846	-65.00000014815	57.1116590744
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4547	3.0468488549999	-75.00000016394	57.111659074395
4548	3.0468488547075	-80.00000017183	57.111659074392
4549	3.0468488544152	-85.00000017972	57.11165907439
4550	3.0468488541228	-90.00000018762	57.111659074387
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4552	3.04684848417411	-100.0000000903	57.111657814697
4553	7.9469465607237	-100.0000000861	57.113512090434
4554	12.894379116649	-100.0000000819	57.113512090924
4555	17.841811672575	-100.0000000777	57.113512091413
4556	22.7892442285	-100.0000000735	57.113512091903
4557	27.736676784426	-100.0000000693	57.113512092392
4558	32.684109340351	-100.0000000651	57.113512092882
4559	37.631506211267	-100.0000000609	57.113512093371
4560	42.578902810846	-100.0000000567	57.11351209386
4561	47.526299410424	-100.0000000524	57.11351209435
4562	52.473696010003	-100.0000000482	57.113512094839
4563	57.421092609582	-100.000000044	57.113512095329
4564	62.36848920916	-100.0000000398	57.113512095818
4565	67.315885808739	-100.0000000356	57.113512096308
4566	72.263282408318	-100.0000000314	57.113512096797
4567	77.210679007896	-100.0000000272	57.113512097287
4568	82.158075607475	-100.000000023	57.113512097776
4569	87.105472207054	-100.0000000188	57.113512098266
4570	92.052868806632	-100.0000000146	57.113512098755
4571	99.27536529644	-94.99999996532	59.0532928186
4572	99.275365296429	-89.99999996342	59.053292818515
4573	99.275365296417	-84.99999996318	59.053292818429
4574	99.275365296406	-79.99999996293	59.053292818344
4575	99.275365296394	-74.99999996269	59.053292818258
4576	99.275365296383	-69.99999996244	59.053292818172
4577	99.275365296372	-64.9999999622	59.053292818087
4578	99.27536529636	-59.99999996195	59.053292818001
4579	99.275365296349	-54.99999996171	59.053292817915

			without	springback
4580	99.275365296338	-49.99999996146	59.05329281783	
4581	99.275365296326	-44.99999996122	59.053292817744	
4582	99.275365296315	-39.99999996098	59.053292817659	
4583	99.275365296304	-34.99999996073	59.053292817573	
4584	99.275365296292	-29.99999996049	59.053292817487	
4585	99.275365296281	-24.99999996024	59.053292817402	
4586	99.27536529627	-19.99999996	59.053292817316	
4587	99.275365296258	-14.99999995976	59.05329281723	
4588	99.275365296247	-9.999999959511	59.053292817145	
4589	99.275365685511	-5.000042708307	59.053294095781	
4590	99.190813656892	-94.99999990722	58.701217157515	
4591	99.190813656874	-89.99999990406	58.701217157461	
4592	99.190813656856	-84.99999990383	58.701217157407	
4593	99.190813656838	-79.99999990359	58.701217157353	
4594	99.190813656821	-74.99999990335	58.701217157298	
4595	99.190813656803	-69.99999990311	58.701217157244	
4596	99.190813656786	-64.99999990287	58.70121715719	
4597	99.190813656768	-59.99999990263	58.701217157135	
4598	99.19081365675	-54.99999990239	58.701217157081	
4599	99.190813656732	-49.99999990215	58.701217157027	
4600	99.190813656715	-44.99999990191	58.701217156972	
4601	99.190813656697	-39.99999990167	58.701217156918	
4602	99.190813656679	-34.99999990143	58.701217156864	
4603	99.190813656662	-29.9999999012	58.70121715681	
4604	99.190813656644	-24.99999990096	58.701217156755	
4605	99.190813656626	-19.99999990072	58.701217156701	
4606	99.190813656609	-14.99999990048	58.701217156647	
4607	99.190813656591	-9.999999900238	58.701217156592	
4608	99.190817662238	-5.000170985762	58.701227005274	
4609	99.052713198296	-94.99999986604	58.367857899394	
4610	99.052713198271	-89.99999986206	58.367857899344	
4611	99.052713198245	-84.99999986182	58.367857899294	
4612	99.05271319822	-79.99999986159	58.367857899244	
4613	99.052713198195	-74.99999986135	58.367857899194	
4614	99.052713198169	-69.99999986112	58.367857899145	
4615	99.052713198144	-64.99999986088	58.367857899095	
4616	99.052713198118	-59.99999986065	58.367857899045	
4617	99.052713198093	-54.99999986042	58.367857898995	
4618	99.052713198068	-49.99999986018	58.367857898946	
4619	99.052713198042	-44.99999985995	58.367857898896	
4620	99.052713198017	-39.99999985971	58.367857898846	
4621	99.052713197992	-34.99999985948	58.367857898796	
4622	99.052713197966	-29.99999985924	58.367857898747	
4623	99.052713197941	-24.99999985901	58.367857898697	
4624	99.052713197915	-19.99999985878	58.367857898647	
4625	99.05271319789	-14.99999985854	58.367857898597	
4626	99.052713197865	-9.999999858309	58.367857898548	
4627	99.052730762206	-5.000384613076	58.367888467903	
4628	98.86364943009	-94.99999984015	58.05930133506	
4629	98.863649430058	-89.99999983576	58.059301335016	
4630	98.863649430026	-84.99999983554	58.059301334971	
4631	98.863649429993	-79.99999983531	58.059301334927	
4632	98.863649429961	-74.99999983508	58.059301334883	
4633	98.863649429929	-69.99999983485	58.059301334839	
4634	98.863649429897	-64.99999983462	58.059301334794	
4635	98.863649429865	-59.99999983439	58.05930133475	
4636	98.863649429832	-54.99999983416	58.059301334706	
4637	98.8636494298	-49.99999983393	58.059301334662	
4638	98.863649429768	-44.9999998337	58.059301334618	
4639	98.863649429736	-39.99999983347	58.059301334573	
4640	98.863649429704	-34.99999983324	58.059301334529	
4641	98.863649429672	-29.99999983301	58.059301334485	
4642	98.86364942964	-24.99999983278	58.059301334441	

			without springback
4643	98.863649429607	-19.99999983256	58.059301334396
4644	98.863649429575	-14.99999983233	58.059301334352
4645	98.863649429543	-9.999999832098	58.059301334308
4646	98.863700884901	-5.000686313912	58.059366450501
4647	98.627753894216	-95.00067862549	57.784268252599
4648	98.628219471451	-89.99999982592	57.783812418565
4649	98.628219471413	-84.9999998257	57.783812418527
4650	98.628219471375	-79.99999982548	57.783812418489
4651	98.628219471338	-74.99999982525	57.783812418451
4652	98.6282194713	-69.99999982503	57.783812418414
4653	98.628219471262	-64.9999998248	57.783812418376
4654	98.628219471224	-59.99999982458	57.783812418338
4655	98.628219471186	-54.99999982436	57.7838124183
4656	98.628219471148	-49.99999982413	57.783812418262
4657	98.62821947111	-44.99999982391	57.783812418225
4658	98.628219471072	-39.99999982368	57.783812418187
4659	98.628219471035	-34.99999982346	57.783812418149
4660	98.628219470997	-29.99999982323	57.783812418111
4661	98.628219470959	-24.99999982301	57.783812418074
4662	98.628219470921	-19.99999982279	57.783812418036
4663	98.628219470883	-14.99999982256	57.783812417998
4664	98.628219470845	-9.999999822338	57.78381241796
4665	98.627755914812	-4.999321098008	57.784270278609
4666	98.354205862888	-94.99932031092	57.549869055421
4667	98.354270112747	-89.99999983249	57.549919821411
4668	98.354270112705	-84.99999983227	57.54991982138
4669	98.354270112662	-79.99999983205	57.549919821349
4670	98.35427011262	-74.99999983183	57.549919821318
4671	98.354270112578	-69.99999983161	57.549919821288
4672	98.354270112535	-64.9999998314	57.549919821257
4673	98.354270112493	-59.99999983118	57.549919821226
4674	98.354270112451	-54.99999983096	57.549919821196
4675	98.354270112408	-49.99999983074	57.549919821165
4676	98.354270112366	-44.99999983052	57.549919821134
4677	98.354270112324	-39.9999998303	57.549919821104
4678	98.354270112282	-34.99999983008	57.549919821073
4679	98.354270112239	-29.99999982986	57.549919821042
4680	98.354270112197	-24.99999982964	57.549919821012
4681	98.354270112155	-19.99999982942	57.549919820981
4682	98.354270112112	-14.9999998292	57.54991982095
4683	98.35427011207	-9.999999828985	57.54991982092
4684	98.354270112028	-4.999999825205	57.549919820889
4685	98.04505481101	-94.99961912775	57.36048725511
4686	98.04508489677	-89.99999985566	57.360504540676
4687	98.045084896724	-84.99999985545	57.360504540653
4688	98.045084896678	-79.99999985524	57.36050454063
4689	98.045084896633	-74.99999985502	57.360504540606
4690	98.045084896587	-69.99999985481	57.360504540583
4691	98.045084896542	-64.99999985459	57.36050454056
4692	98.045084896496	-59.99999985438	57.360504540537
4693	98.045084896451	-54.99999985417	57.360504540514
4694	98.045084896405	-49.99999985395	57.360504540491
4695	98.04508489636	-44.99999985374	57.360504540468
4696	98.045084896314	-39.99999985352	57.360504540444
4697	98.045084896269	-34.99999985331	57.360504540421
4698	98.045084896223	-29.9999998531	57.360504540398
4699	98.045084896178	-24.99999985288	57.360504540375
4700	98.045084896132	-19.99999985267	57.360504540352
4701	98.045084896086	-14.99999985245	57.360504540329
4702	98.045084896041	-9.999999852241	57.360504540306
4703	98.045084895995	-4.999999849095	57.360504540282
4704	97.711743900093	-94.99983203311	57.222520045058
4705	97.711753466984	-89.99999989488	57.222523940256

without springback

4706	97.711753466937	-84.99999989468	57.22252394024
4707	97.71175346689	-79.99999989447	57.222523940225
4708	97.711753466842	-74.99999989426	57.222523940209
4709	97.711753466795	-69.99999989405	57.222523940194
4710	97.711753466747	-64.99999989384	57.222523940179
4711	97.7117534667	-59.99999989363	57.222523940163
4712	97.711753466652	-54.99999989342	57.222523940148
4713	97.711753466605	-49.99999989321	57.222523940133
4714	97.711753466557	-44.999999893	57.222523940117
4715	97.71175346651	-39.99999989279	57.222523940102
4716	97.711753466462	-34.99999989258	57.222523940086
4717	97.711753466415	-29.99999989238	57.222523940071
4718	97.711753466368	-24.99999989217	57.222523940056
4719	97.71175346632	-19.99999989196	57.22252394004
4720	97.711753466273	-14.99999989175	57.222523940025
4721	97.711753466225	-9.99999989154	57.22252394001
4722	97.711753466178	-4.999999889137	57.222523939994
4723	97.359809830552	-94.99995891443	57.138081392355
4724	97.359809039206	-89.99999995075	57.138081606208
4725	97.359807043233	-84.99999995055	57.138081449606
4726	97.359805047261	-79.99999995034	57.138081292997
4727	97.359803051288	-74.99999995014	57.138081136381
4728	97.359801055315	-69.99999994994	57.138080979759
4729	97.359799059342	-64.99999994973	57.13808082313
4730	97.359797063368	-59.99999994953	57.138080666494
4731	97.359795067395	-54.99999994933	57.138080509852
4732	97.359793071421	-49.99999994912	57.138080353202
4733	97.359791075447	-44.99999994892	57.138080196546
4734	97.359789079473	-39.99999994871	57.138080039884
4735	97.359787083499	-34.99999994851	57.138079883214
4736	97.359785087525	-29.99999994831	57.138079726538
4737	97.35978309155	-24.9999999481	57.138079569856
4738	97.359781095575	-19.9999999479	57.138079413166
4739	97.3597790996	-14.99999994769	57.13807925647
4740	97.359777103625	-9.99999994749	57.138079099767
4741	97.35977510765	-4.999999946234	57.138078943057
4742	99.279615198809	4.247360301E-05	59.08574440669
4743	99.209746423652	1.724730764E-04	58.764590165931
4744	99.09489965813	3.834727778E-04	58.456706000845
4745	98.93736259428	6.859803931E-04	58.168234220296
4746	98.740337866776	1.080826918E-03	57.90509526321
4747	98.494545580068	6.353042619E-04	57.662456121075
4748	98.370714996056	-2.55961549E-04	57.563462084802
4749	98.045055370248	-3.83292051E-04	57.360487414093
4750	97.711735395567	-1.69735154E-04	57.222517225299
4751	97.359769375626	-4.22801156E-05	57.138078076816
4752	96.952567026014	9.084103307E-08	57.111671230032
4753	96.952545294246	-4.999999799269	57.111671361177
4754	96.952523932357	-9.999999801439	57.111671521237
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4756	96.952481208546	-19.9999998154	57.111671841806
4757	96.952459846624	-24.99999982239	57.111672002314
4758	96.952438484692	-29.99999982937	57.111672162971
4759	96.952417122748	-34.99999983635	57.111672323778
4760	96.952395760794	-39.99999984334	57.111672484733
4761	96.952374398829	-44.99999985032	57.111672645838
4762	96.952353036853	-49.9999998573	57.111672807092
4763	96.952331674866	-54.99999986428	57.111672968494
4764	96.952310312868	-59.99999987127	57.111673130047
4765	96.95228895086	-64.99999987825	57.111673291748
4766	96.95226758884	-69.99999988523	57.111673453598
4767	96.95224622681	-74.99999989222	57.111673615598
4768	96.952224864769	-79.9999998992	57.111673777747

		without	springback
4769	96.952203502717	-84.99999990618	57.111673940045
4770	96.952182140654	-89.99999991316	57.111674102492
4771	96.952160776821	-95.00000556922	57.111674264968
4772	96.957417759341	-100.0000050699	57.111980209641
4773	97.327924678697	-100.000040866	57.133920308876
4774	97.649001045194	-100.0001689086	57.203789997106
4775	97.956842213039	-100.000378325	57.318629692621
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4777	98.508394438829	-100.0010587139	57.673155994368
4778	98.751013755046	-100.000651839	57.918918431977
4779	98.849968654261	-99.99974258303	58.042695994222
4780	99.052730832559	-99.99961417426	58.367888525405
4781	99.190817678579	-99.99982847147	58.701226969337
4782	99.275365686768	-99.99995722571	59.053294006572
4783	99.3	-5.000000010637	98.08080078377
4784	99.3	-5.000000011898	93.247389687066
4785	99.3	-5.000000013159	88.413978590362
4786	99.3	-5.00000001442	83.580567493658
4787	99.3	-5.000000015681	78.747156396954
4788	99.3	-5.000000016942	73.91374530025
4789	99.3	-5.000000018203	69.080334203546
4790	99.3	-5.000000019464	64.246923106842
4791	99.3	-10.00000001908	98.080800783489
4792	99.3	-10.00000002033	93.24738968679
4793	99.3	-10.00000002158	88.413978590092
4794	99.3	-10.00000002283	83.580567493393
4795	99.3	-10.00000002408	78.747156396694
4796	99.3	-10.00000002533	73.913745299996
4797	99.3	-10.00000002658	69.080334203297
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4799	99.3	-15.00000002753	98.080800783207
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4802	99.3	-15.00000003124	83.580567493128
4803	99.3	-15.00000003248	78.747156396435
4804	99.3	-15.00000003372	73.913745299742
4805	99.3	-15.00000003495	69.080334203049
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4812	99.3	-20.0000000421	73.913745299488
4813	99.3	-20.00000004333	69.0803342028
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4815	99.3	-25.00000004442	98.080800782644
4816	99.3	-25.00000004563	93.247389685962
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4819	99.3	-25.00000004928	78.747156395915
4820	99.3	-25.00000005049	73.913745299233
4821	99.3	-25.0000000517	69.080334202551
4822	99.3	-25.00000005292	64.246923105869
4823	99.3	-30.00000005286	98.080800782363
4824	99.3	-30.00000005406	93.247389685686
4825	99.3	-30.00000005527	88.413978589009
4826	99.3	-30.00000005647	83.580567492332
4827	99.3	-30.00000005767	78.747156395656
4828	99.3	-30.00000005888	73.913745298979
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4830	99.3	-30.00000006128	64.246923105625
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		without	springback
4832	99.3	-35.0000000625	93.24738968541
4833	99.3	-35.00000006369	88.413978588739
4834	99.3	-35.00000006488	83.580567492067
4835	99.3	-35.00000006607	78.747156395396
4836	99.3	-35.00000006726	73.913745298725
4837	99.3	-35.00000006846	69.080334202053
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4839	99.3	-40.00000006975	98.0808007818
4840	99.3	-40.00000007093	93.247389685134
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4844	99.3	-40.00000007565	73.91374529847
4845	99.3	-40.00000007683	69.080334201805
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4849	99.3	-45.00000008053	88.413978588198
4850	99.3	-45.0000000817	83.580567491537
4851	99.3	-45.00000008287	78.747156394877
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4857	99.3	-50.00000008895	88.413978587927
4858	99.3	-50.00000009011	83.580567491272
4859	99.3	-50.00000009127	78.747156394617
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4861	99.3	-50.00000009358	69.080334201307
4862	99.3	-50.00000009474	64.246923104652
4863	99.3	-55.00000009509	98.080800780956
4864	99.3	-55.00000009623	93.247389684306
4865	99.3	-55.00000009738	88.413978587656
4866	99.3	-55.00000009852	83.580567491007
4867	99.3	-55.00000009967	78.747156394357
4868	99.3	-55.00000010081	73.913745297708
4869	99.3	-55.00000010196	69.080334201058
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4871	99.3	-60.00000010353	98.080800780674
4872	99.3	-60.00000010466	93.24738968403
4873	99.3	-60.0000001058	88.413978587386
4874	99.3	-60.00000010693	83.580567490742
4875	99.3	-60.00000010806	78.747156394098
4876	99.3	-60.0000001092	73.913745297454
4877	99.3	-60.00000011033	69.080334200809
4878	99.3	-60.00000011147	64.246923104165
4879	99.3	-65.00000011198	98.080800780393
4880	99.3	-65.0000001131	93.247389683754
4881	99.3	-65.00000011422	88.413978587116
4882	99.3	-65.00000011534	83.580567490477
4883	99.3	-65.00000011646	78.747156393838
4884	99.3	-65.00000011759	73.913745297199
4885	99.3	-65.00000011871	69.08033420056
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4891	99.3	-70.00000012486	78.747156393578
4892	99.3	-70.00000012597	73.913745296945
4893	99.3	-70.00000012708	69.080334200312
4894	99.3	-70.00000012819	64.246923103678

		without	springback
4895	99.3	-75.00000012886	98.08080077983
4896	99.3	-75.00000012996	93.247389683202
4897	99.3	-75.00000013106	88.413978586574
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4899	99.3	-75.00000013326	78.747156393319
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4904	99.3	-80.0000001384	93.247389682926
4905	99.3	-80.00000013948	88.413978586304
4906	99.3	-80.00000014057	83.580567489681
4907	99.3	-80.00000014166	78.747156393059
4908	99.3	-80.00000014275	73.913745296436
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4910	99.3	-80.00000014492	64.246923103192
4911	99.3	-85.00000014576	98.080800779267
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4913	99.3	-85.00000014791	88.413978586033
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4916	99.3	-85.00000015113	73.913745296182
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4925	99.3	-90.00000016059	69.080334199316
4926	99.3	-90.00000016165	64.246923102705
4927	99.3	-95.00000016264	98.080800778704
4928	99.3	-95.0000001637	93.247389682098
4929	99.3	-95.00000016475	88.413978585492
4930	99.3	-95.0000001658	83.580567488886
4931	99.3	-95.00000016686	78.74715639228
4932	99.3	-95.00000016791	73.913745295674
4933	99.3	-95.00000016896	69.080334199068
4934	99.3	-95.00000017001	64.246923102462
4935	99.3	-95.00000016159	102.91421187523
4936	99.3	-90.00000015314	102.91421187544
4937	99.3	-85.00000014468	102.91421187565
4938	99.3	-80.00000013622	102.91421187585
4939	99.3	-75.00000012777	102.91421187606
4940	99.3	-70.00000011931	102.91421187627
4941	99.3	-65.00000011085	102.91421187648
4942	99.3	-60.0000001024	102.91421187668
4943	99.3	-55.00000009394	102.91421187689
4944	99.3	-50.00000008557	102.9142118771
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4953	99.3	-5.000000031151	102.91421187897
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4956	99.3	-3.46473278E-09	93.247389687342
4957	99.3	-4.73722641E-09	88.413978590633

			without springback
4958	99.3	-6.00972004E-09	83.580567493923
4959	99.3	-7.28221367E-09	78.747156397214
4960	99.3	-8.55470559E-09	73.913745300504
4961	99.3	-9.82720092E-09	69.080334203795
4962	99.3	-1.10996928E-08	64.246923107086
4963	99.301528844022	-1.23732067E-08	59.456317097256
4964	99.30184863187	-5.000000020727	59.460575167749
4965	99.301848631871	-10.00000002908	59.460575167524
4966	99.301848631872	-15.00000003743	59.460575167299
4967	99.301848631873	-20.00000004578	59.460575167074
4968	99.301848631874	-25.00000005414	59.460575166848
4969	99.301848631875	-30.00000006249	59.460575166623
4970	99.301848631876	-35.00000007084	59.460575166398
4971	99.301848631877	-40.00000007919	59.460575166173
4972	99.301848631878	-45.00000008754	59.460575165948
4973	99.301848631879	-50.0000000959	59.460575165723
4974	99.30184863188	-55.00000010425	59.460575165497
4975	99.301848631881	-60.0000001126	59.460575165272
4976	99.301848631882	-65.00000012096	59.460575165047
4977	99.301848631883	-70.00000012931	59.460575164822
4978	99.301848631884	-75.00000013766	59.460575164597
4979	99.301848631885	-80.00000014601	59.460575164372
4980	99.301848631886	-85.00000015436	59.460575164146
4981	99.301848631887	-90.00000016272	59.460575163921
4982	99.301848631888	-95.00000017107	59.460575163696
4983	99.301848631315	-100.0000001794	59.460575163471
4984	99.3	-100.0000001784	64.246923102218
4985	99.3	-100.0000001773	69.080334198819
4986	99.3	-100.0000001763	73.91374529542
4987	99.3	-100.0000001752	78.74715639202
4988	99.3	-100.0000001742	83.580567488621
4989	99.3	-100.0000001732	88.413978585222
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4991	99.3	-100.0000001711	98.080800778423
4992	99.3	-100.00000017	102.91421187502
4993	82.157787284301	-55.00000007356	57.113512089945
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4995	92.052571434445	-55.00000006622	57.113512089945
4996	7.9469060909758	-50.00000012085	57.113512089945
4997	12.89429817051	-50.00000011722	57.113512089945
4998	17.841690250043	-50.0000001136	57.113512089945
4999	22.789082329577	-50.00000010998	57.113512089945
5000	27.736474409111	-50.00000010636	57.113512089945
5001	32.683866488645	-50.00000010274	57.113512089945
5002	37.631258568179	-50.00000009911	57.113512089945
5003	42.578650647712	-50.00000009549	57.113512089945
5004	47.526042727246	-50.00000009187	57.113512089945
5005	52.47343480678	-50.00000008825	57.113512089945
5006	57.420826886314	-50.00000008463	57.113512089945
5007	62.368218965848	-50.000000081	57.113512089945
5008	67.315611045381	-50.00000007738	57.113512089945
5009	72.263003124915	-50.00000007376	57.113512089945
5010	77.210395204449	-50.00000007014	57.113512089945
5011	82.157787283983	-50.00000006652	57.113512089945
5012	87.105179363517	-50.0000000629	57.113512089945
5013	92.052571434605	-50.00000005927	57.113512089945
5014	7.9469060914019	-45.00000011301	57.113512089945
5015	12.894298170886	-45.00000010944	57.113512089945
5016	17.84169025037	-45.00000010587	57.113512089945
5017	22.789082329854	-45.0000001023	57.113512089945
5018	27.736474409339	-45.00000009873	57.113512089945
5019	32.683866488823	-45.00000009516	57.113512089945
5020	37.631258568307	-45.00000009159	57.113512089945

without springback

5021	42.578650647791	-45.00000008802	57.113512089945
5022	47.526042727275	-45.00000008445	57.113512089945
5023	52.473434806759	-45.00000008088	57.113512089945
5024	57.420826886244	-45.00000007732	57.113512089945
5025	62.368218965728	-45.00000007374	57.113512089945
5026	67.315611045212	-45.00000007018	57.113512089945
5027	72.263003124696	-45.00000006661	57.113512089945
5028	77.21039520418	-45.00000006304	57.113512089945
5029	82.157787283664	-45.00000005947	57.113512089945
5030	87.105179363148	-45.0000000559	57.113512089945
5031	92.052571434746	-45.00000005233	57.113512089945
5032	7.9469060918281	-40.00000010516	57.113512089945
5033	12.894298171263	-40.00000010165	57.113512089945
5034	17.841690250697	-40.00000009813	57.113512089945
5035	22.789082330132	-40.00000009462	57.113512089945
5036	27.736474409566	-40.0000000911	57.113512089945
5037	32.683866489001	-40.00000008758	57.113512089945
5038	37.631258568435	-40.00000008407	57.113512089945
5039	42.57865064787	-40.00000008055	57.113512089945
5040	47.526042727304	-40.00000007704	57.113512089945
5041	52.473434806739	-40.00000007352	57.113512089945
5042	57.420826886173	-40.00000007	57.113512089945
5043	62.368218965608	-40.00000006649	57.113512089945
5044	67.315611045042	-40.00000006297	57.113512089945
5045	72.263003124477	-40.00000005945	57.113512089945
5046	77.210395203911	-40.00000005594	57.113512089945
5047	82.157787283346	-40.00000005242	57.113512089945
5048	87.10517936278	-40.0000000489	57.113512089945
5049	92.052571434868	-40.00000004539	57.113512089945
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5052	17.841690251024	-35.0000000904	57.113512089945
5053	22.789082330409	-35.00000008694	57.113512089945
5054	27.736474409794	-35.00000008347	57.113512089945
5055	32.683866489178	-35.00000008001	57.113512089945
5056	37.631258568563	-35.00000007654	57.113512089945
5057	42.578650647948	-35.00000007308	57.113512089945
5058	47.526042727333	-35.00000006962	57.113512089945
5059	52.473434806718	-35.00000006615	57.113512089945
5060	57.420826886103	-35.00000006269	57.113512089945
5061	62.368218965488	-35.00000005923	57.113512089945
5062	67.315611044872	-35.00000005576	57.113512089945
5063	72.263003124257	-35.0000000523	57.113512089945
5064	77.210395203642	-35.00000004884	57.113512089945
5065	82.157787283027	-35.00000004537	57.113512089945
5066	87.105179362412	-35.00000004191	57.113512089945
5067	92.052571434971	-35.00000003845	57.113512089945
5068	7.9469060926804	-30.00000008948	57.113512089945
5069	12.894298172016	-30.00000008607	57.113512089945
5070	17.841690251351	-30.00000008266	57.113512089945
5071	22.789082330686	-30.00000007925	57.113512089945
5072	27.736474410021	-30.00000007584	57.113512089945
5073	32.683866489356	-30.00000007243	57.113512089945
5074	37.631258568692	-30.00000006902	57.113512089945
5075	42.578650648027	-30.00000006561	57.113512089945
5076	47.526042727362	-30.0000000622	57.113512089945
5077	52.473434806697	-30.00000005879	57.113512089945
5078	57.420826886032	-30.00000005538	57.113512089945
5079	62.368218965368	-30.00000005197	57.113512089945
5080	67.315611044703	-30.00000004856	57.113512089945
5081	72.263003124038	-30.00000004515	57.113512089945
5082	77.210395203373	-30.00000004174	57.113512089945
5083	82.157787282708	-30.00000003832	57.113512089945

		without springback	
5084	87.105179362044	-30.00000003492	57.113512089945
5085	92.052571435055	-30.0000000315	57.113512089945
5086	7.9469060931065	-25.00000008164	57.113512089945
5087	12.894298172392	-25.00000007829	57.113512089945
5088	17.841690251678	-25.00000007493	57.113512089945
5089	22.789082330963	-25.00000007157	57.113512089945
5090	27.736474410249	-25.00000006821	57.113512089945
5091	32.683866489534	-25.00000006486	57.113512089945
5092	37.63125856882	-25.0000000615	57.113512089945
5093	42.578650648105	-25.00000005814	57.113512089945
5094	47.526042727391	-25.00000005478	57.113512089945
5095	52.473434806676	-25.00000005142	57.113512089945
5096	57.420826885962	-25.00000004807	57.113512089945
5097	62.368218965248	-25.00000004471	57.113512089945
5098	67.315611044533	-25.00000004135	57.113512089945
5099	72.263003123819	-25.00000003799	57.113512089945
5100	77.210395203104	-25.00000003464	57.113512089945
5101	82.15778728239	-25.00000003128	57.113512089945
5102	87.105179361675	-25.00000002792	57.113512089945
5103	92.05257143512	-25.00000002456	57.113512089945
5104	7.9469060935326	-20.0000000738	57.113512089945
5105	12.894298172768	-20.0000000705	57.113512089945
5106	17.841690252004	-20.00000006719	57.113512089945
5107	22.78908233124	-20.00000006389	57.113512089945
5108	27.736474410476	-20.00000006058	57.113512089945
5109	32.683866489712	-20.00000005728	57.113512089945
5110	37.631258568948	-20.00000005397	57.113512089945
5111	42.578650648184	-20.00000005067	57.113512089945
5112	47.52604272742	-20.00000004736	57.113512089945
5113	52.473434806656	-20.00000004406	57.113512089945
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5115	62.368218965128	-20.00000003745	57.113512089945
5116	67.315611044364	-20.00000003414	57.113512089945
5117	72.263003123599	-20.00000003084	57.113512089945
5118	77.210395202835	-20.00000002753	57.113512089945
5119	82.157787282071	-20.00000002423	57.113512089945
5120	87.105179361307	-20.00000002092	57.113512089945
5121	92.052571435166	-20.00000001762	57.113512089945
5122	7.9469060939588	-15.00000006596	57.113512089945
5123	12.894298173145	-15.00000006271	57.113512089945
5124	17.841690252331	-15.00000005946	57.113512089945
5125	22.789082331518	-15.00000005621	57.113512089945
5126	27.736474410704	-15.00000005296	57.113512089945
5127	32.68386648989	-15.0000000497	57.113512089945
5128	37.631258569076	-15.00000004645	57.113512089945
5129	42.578650648262	-15.0000000432	57.113512089945
5130	47.526042727449	-15.00000003995	57.113512089945
5131	52.473434806635	-15.00000003669	57.113512089945
5132	57.420826885821	-15.00000003344	57.113512089945
5133	62.368218965008	-15.00000003019	57.113512089945
5134	67.315611044194	-15.00000002694	57.113512089945
5135	72.26300312338	-15.00000002369	57.113512089945
5136	77.210395202566	-15.00000002043	57.113512089945
5137	82.157787281753	-15.00000001718	57.113512089945
5138	87.105179360939	-15.00000001393	57.113512089945
5139	92.052571435194	-15.00000001068	57.113512089945
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5146	37.631258569204	-10.00000003893	57.113512089945

without springback			
5147	42.578650648341	-10.00000003573	57.113512089945
5148	47.526042727478	-10.00000003253	57.113512089945
5149	52.473434806614	-10.00000002933	57.113512089945
5150	57.420826885751	-10.00000002613	57.113512089945
5151	62.368218964888	-10.00000002293	57.113512089945
5152	67.315611044024	-10.00000001973	57.113512089945
5153	72.263003123161	-10.00000001653	57.113512089945
5154	77.210395202297	-10.00000001333	57.113512089945
5155	82.157787281434	-10.00000001013	57.113512089945
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5160	17.841690252985	-5.00000004457	57.113512089945
5161	22.789082332072	-5.000000041617	57.113512089945
5162	27.736474411159	-5.000000038663	57.113512089945
5163	32.683866490246	-5.00000003571	57.113512089945
5164	37.631258569333	-5.000000032756	57.113512089945
5165	42.57865064842	-5.000000029803	57.113512089945
5166	47.526042727507	-5.00000002685	57.113512089945
5167	52.473434806594	-5.000000023896	57.113512089945
5168	57.420826885681	-5.000000020943	57.113512089945
5169	62.368218964768	-5.000000017989	57.113512089945
5170	67.315611043854	-5.000000015036	57.113512089945
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5174	87.105179360202	-5.000000003222	57.113512089945
5175	92.052571435192	-5.000000000269	57.113512089945
5176	2.6397013190231	-99.99995372757	57.138193776835
5177	2.2880037986783	-99.99982238291	57.222653074628
5178	1.9537910792641	-99.99960693424	57.3611599257
5179	1.629676726039	-99.99973331219	57.563283674824
5180	1.5053036356826	-100.0006366066	57.662682781843
5181	1.259469244068	-100.0010591244	57.905433715295
5182	1.0626585933656	-100.000674454	58.168327764159
5183	0.9050904771106	-100.0003787862	58.456855252067
5184	0.7902300431798	-100.0001651731	58.764807054403
5185	0.7204010079781	-100.000040294	59.085777523567
5186	0.6984695460739	-100.0000000298	59.456339677548
5187	0.6981500507567	-95.00000002948	59.460591985976
5188	0.6981500507579	-90.00000002911	59.460591986056
5189	0.6981500507591	-85.00000002874	59.460591986135
5190	0.6981500507603	-80.00000002838	59.460591986215
5191	0.6981500507614	-75.00000002801	59.460591986295
5192	0.6981500507626	-70.00000002764	59.460591986375
5193	0.6981500507638	-65.00000002727	59.460591986454
5194	0.698150050765	-60.00000002691	59.460591986534
5195	0.6981500507662	-55.00000002654	59.460591986614
5196	0.6981500507673	-50.00000002617	59.460591986694
5197	0.6981500507685	-45.0000000258	59.460591986773
5198	0.6981500507697	-40.00000002544	59.460591986853
5199	0.6981500507709	-35.00000002507	59.460591986933
5200	0.6981500507721	-30.0000000247	59.460591987012
5201	0.6981500507732	-25.00000002433	59.460591987092
5202	0.6981500507744	-20.00000002396	59.460591987172
5203	0.6981500507756	-15.0000000236	59.460591987252
5204	0.6981500507768	-10.00000002323	59.460591987331
5205	0.698150050778	-5.000000022862	59.460591987411
5206	0.6981482169845	-2.24938858E-08	59.460615280053
5207	0.7246898335144	-4.50638134E-05	59.053112796558
5208	0.8089946687906	-1.75786092E-04	58.701933541605
5209	0.9474964998421	-3.91555774E-04	58.367566833219

		without	springback
5210	1.1497983751589	-2.64617199E-04	58.043138843602
5211	1.2489749786292	6.321584550E-04	57.919041563123
5212	1.4916946473933	1.065194841E-03	57.673178858933
5213	1.7548798155591	6.741878353E-04	57.476139344328
5214	2.0430985929318	3.795676460E-04	57.318729914424
5215	2.3510776031661	1.654603174E-04	57.203818094354
5216	2.6721911237784	3.913765306E-05	57.133932561913
5217	0.7246762587498	-5.000002481615	59.053065095116
5218	0.7246762587625	-9.999999952492	59.05306509507
5219	0.724676258771	-14.9999999528	59.053065095018
5220	0.7246762587795	-19.99999995312	59.053065094966
5221	0.724676258788	-24.99999995343	59.053065094913
5222	0.7246762587965	-29.99999995374	59.053065094861
5223	0.724676258805	-34.99999995405	59.053065094809
5224	0.7246762588135	-39.99999995437	59.053065094756
5225	0.724676258822	-44.99999995468	59.053065094704
5226	0.7246762588304	-49.99999995499	59.053065094652
5227	0.7246762588389	-54.9999999553	59.053065094599
5228	0.7246762588474	-59.99999995562	59.053065094547
5229	0.7246762588559	-64.99999995593	59.053065094494
5230	0.7246762588644	-69.99999995624	59.053065094442
5231	0.7246762588729	-74.99999995655	59.05306509439
5232	0.7246762588814	-79.99999995686	59.053065094337
5233	0.7246762588899	-84.99999995718	59.053065094285
5234	0.7246762588984	-89.99999995749	59.053065094233
5235	0.7246758572767	-94.99995506876	59.053066442338
5236	0.8089653475535	-5.000004773792	58.701894636345
5237	0.8089653475556	-9.999999897975	58.701894636404
5238	0.8089653475692	-14.99999989823	58.701894636362
5239	0.8089653475828	-19.99999989849	58.701894636321
5240	0.8089653475964	-24.99999989875	58.70189463628
5241	0.8089653476101	-29.999999899	58.701894636238
5242	0.8089653476237	-34.99999989926	58.701894636197
5243	0.8089653476373	-39.99999989952	58.701894636156
5244	0.8089653476509	-44.99999989978	58.701894636114
5245	0.8089653476646	-49.99999990003	58.701894636073
5246	0.8089653476782	-54.99999990029	58.701894636031
5247	0.8089653476918	-59.99999990055	58.70189463599
5248	0.8089653477054	-64.99999990081	58.701894635949
5249	0.8089653477191	-69.99999990106	58.701894635907
5250	0.8089653477327	-74.99999990132	58.701894635866
5251	0.8089653477463	-79.99999990158	58.701894635824
5252	0.80896534776	-84.99999990184	58.701894635783
5253	0.8089653477736	-89.99999990209	58.701894635742
5254	0.8089612859247	-94.99982450991	58.701904683242
5255	0.9474609474725	-5.000006748921	58.367513502396
5256	0.9474609474192	-9.999999859135	58.367513502589
5257	0.947460947435	-14.99999985934	58.367513502558
5258	0.9474609474507	-19.99999985954	58.367513502528
5259	0.9474609474665	-24.99999985974	58.367513502497
5260	0.9474609474822	-29.99999985994	58.367513502467
5261	0.947460947498	-34.99999986014	58.367513502436
5262	0.9474609475137	-39.99999986035	58.367513502406
5263	0.9474609475294	-44.99999986055	58.367513502375
5264	0.9474609475452	-49.99999986075	58.367513502345
5265	0.9474609475609	-54.99999986095	58.367513502314
5266	0.9474609475766	-59.99999986115	58.367513502284
5267	0.9474609475924	-64.99999986136	58.367513502253
5268	0.9474609476081	-69.99999986156	58.367513502223
5269	0.9474609476239	-74.99999986176	58.367513502192
5270	0.9474609476396	-79.99999986196	58.367513502162
5271	0.9474609476553	-84.99999986216	58.367513502131
5272	0.9474609476711	-89.99999986236	58.367513502101

		without	springback
5273	0.9474430607814	-94.9996089045	58.367544675755
5274	1.1361279422886	-5.000008179413	58.059631627657
5275	1.1361279421076	-9.99999983651	58.059631628005
5276	1.1361279421224	-14.99999983666	58.059631627985
5277	1.1361279421372	-19.9999998368	58.059631627965
5278	1.136127942152	-24.99999983695	58.059631627945
5279	1.1361279421668	-29.9999998371	58.059631627925
5280	1.1361279421816	-34.99999983724	58.059631627905
5281	1.1361279421964	-39.99999983739	58.059631627885
5282	1.1361279422111	-44.99999983754	58.059631627865
5283	1.1361279422259	-49.99999983768	58.059631627845
5284	1.1361279422407	-54.99999983783	58.059631627825
5285	1.1361279422555	-59.99999983798	58.059631627805
5286	1.1361279422703	-64.99999983813	58.059631627785
5287	1.1361279422851	-69.99999983827	58.059631627765
5288	1.1361279422999	-74.99999983842	58.059631627745
5289	1.1361279423146	-79.99999983857	58.059631627725
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without springback

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5850	0.7	-105.0000000125	78.747156475698
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5893	0.7	-9.999999840184	93.247389771512
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5899	0.7	-39.99999989049	93.247389769996
5900	0.7	-44.99999989887	93.247389769743
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5910	0.7	-94.99999998271	93.247389767216
5911	0.7	-4.999999832853	88.413978675152
5912	0.7	-9.999999841249	88.413978674893
5913	0.7	-14.99999984964	88.413978674635
5914	0.7	-19.99999985804	88.413978674377
5915	0.7	-24.99999986644	88.413978674119
5916	0.7	-29.99999987483	88.413978673861
5917	0.7	-34.99999988323	88.413978673602
5918	0.7	-39.99999989162	88.413978673344
5919	0.7	-44.99999990002	88.413978673086
5920	0.7	-49.99999990841	88.413978672828
5921	0.7	-54.99999991681	88.41397867257
5922	0.7	-59.9999999252	88.413978672312
5923	0.7	-64.9999999336	88.413978672053
5924	0.7	-69.99999994199	88.413978671795
5925	0.7	-74.99999995039	88.413978671537
5926	0.7	-79.99999995878	88.413978671279
5927	0.7	-84.99999996718	88.413978671021
5928	0.7	-89.99999997558	88.413978670762
5929	0.7	-94.99999998397	88.413978670504
5930	0.7	-4.999999833906	83.580567578538
5931	0.7	-9.999999842313	83.580567578274
5932	0.7	-14.99999985072	83.58056757801
5933	0.7	-19.99999985913	83.580567577747
5934	0.7	-24.99999986753	83.580567577483
5935	0.7	-29.99999987594	83.58056757722
5936	0.7	-34.99999988435	83.580567576956
5937	0.7	-39.99999989276	83.580567576692
5938	0.7	-44.99999990116	83.580567576429
5939	0.7	-49.99999990957	83.580567576165
5940	0.7	-54.99999991798	83.580567575902
5941	0.7	-59.99999992638	83.580567575638
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5943	0.7	-69.9999999432	83.580567575111
5944	0.7	-74.9999999516	83.580567574847
5945	0.7	-79.99999996001	83.580567574584
5946	0.7	-84.99999996842	83.58056757432
5947	0.7	-89.99999997682	83.580567574056
5948	0.7	-94.99999998523	83.580567573793
5949	0.7	-4.999999834959	78.747156481924
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5955	0.7	-34.99999988547	78.74715648031
5956	0.7	-39.99999989389	78.747156480041
5957	0.7	-44.99999990231	78.747156479772
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5965	0.7	-84.99999996966	78.747156477619

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5967	0.7	-94.99999998649	78.747156477081
5968	0.7	-4.999999836012	73.91374538531
5969	0.7	-9.999999844442	73.913745385036
5970	0.7	-14.99999985287	73.913745384761
5971	0.7	-19.9999998613	73.913745384487
5972	0.7	-24.99999986973	73.913745384212
5973	0.7	-29.99999987816	73.913745383938
5974	0.7	-34.99999988659	73.913745383663
5975	0.7	-39.99999989502	73.913745383389
5976	0.7	-44.99999990345	73.913745383114
5977	0.7	-49.99999991188	73.91374538284
5978	0.7	-54.99999992031	73.913745382565
5979	0.7	-59.99999992874	73.913745382291
5980	0.7	-64.99999993717	73.913745382016
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5983	0.7	-79.99999996246	73.913745381193
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5986	0.7	-94.99999998775	73.913745380369
5987	0.7	-4.999999837064	69.080334288696
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6001	0.7	-74.99999995525	69.080334284778
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6014	0.7	-44.99999990574	64.2469231898
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6016	0.7	-54.99999992265	64.246923189229
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6021	0.7	-79.99999996492	64.246923187802
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6033		0.7	5.0000001436218	98.080800867181
6034		0.7	10.000000143622	98.080800867181
6035		0.7	15.000000143622	98.080800867181
6036		0.7	5.0000001228574	93.247389770026
6037		0.7	10.000000122857	93.247389770026
6038		0.7	15.000000122857	93.247389770026
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7779	148.70640182495	-6.54635990E-07	55.561657814697	
7780	143.64453496688	-6.38282494E-07	55.561657814697	
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7783	128.45893439268	-5.89222005E-07	55.561657814697	
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7793	77.840265812018	-4.25687041E-07	55.561657814697	

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7794	72.778398953951	-4.09333545E-07	55.561657814697
7795	67.716532095885	-3.92980049E-07	55.561657814697
7796	62.654665237818	-3.76626552E-07	55.561657814697
7797	57.592798379751	-3.60273056E-07	55.561657814697
7798	52.530931521685	-3.43919559E-07	55.561657814697
7799	47.469064663618	-3.27566063E-07	55.561657814697
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7804	22.159730373285	-2.45798581E-07	55.561657814697
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7807	6.9741297990848	-1.96738092E-07	55.561657814697
7808	1.9122629410181	-1.80384596E-07	55.561657814697
7809	-3.149603917048	-1.64031100E-07	55.561657814697
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7831	-48.70640563965	-65.00000010645	55.561657814697
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7856	42.407197805551	-100.0000003926	55.561657814697

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7857	47.469064663618	-100.0000004058	55.561657814697
7858	52.530931521685	-100.000000419	55.561657814697
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7865	87.963999528151	-100.0000005115	55.561657814697
7866	93.025866386218	-100.0000005247	55.561657814697
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7868	103.14960010235	-100.0000005511	55.561657814697
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7872	123.39706753462	-100.000000604	55.561657814697
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7890	52.530931521637	-70.00000039647	55.561657814697
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7893	52.530931521637	-85.00000040773	55.561657814697
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7895	52.53093152164	-95.00000041524	55.561657814697
7896	57.592798379704	-50.00000039624	55.561657814697
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7905	103.1496001023	-50.0000005293	55.561657814697
7906	108.21146696037	-50.00000054408	55.561657814697
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7922	98.08773324424	-5.000000493442	55.561657814697
7923	93.02586638617	-25.00000048724	55.561657814697
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7979	67.71653209584	-5.000000396263	55.561657814697
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8089	72.778398953904	-75.00000045622	55.561657814697
8090	67.716532095837	-75.00000044222	55.561657814697
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8107	93.025866386174	-95.00000052222	55.561657814697
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8115	72.778398953904	-90.0000004656	55.561657814697
8116	72.778398953907	-95.00000046873	55.561657814697
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8157	123.39706753457	-95.00000060245	55.561657814697
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8166	118.3352006765	-75.00000058222	55.561657814697
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8169	103.1496001023	-75.00000054022	55.561657814697
8170	113.27333381844	-80.00000057009	55.561657814697
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8178	103.1496001023	-85.00000054459	55.561657814697	
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8187	113.27333381844	-60.00000056261	55.561657814697	
8188	113.27333381844	-65.00000056448	55.561657814697	
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8191	118.3352006765	-55.00000057537	55.561657814697	
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8204	133.5208012507	-75.00000062422	55.561657814697	
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8206	138.58266810877	-80.00000063931	55.561657814697	
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8210	143.64453496685	-85.00000065408	55.561657814697	
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8220	133.52080125071	-95.00000062919	55.561657814697	
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8483	-8.211470775163	-25.00000017586	55.561657814697
8484	-13.27333763323	-25.00000016029	55.561657814697
8485	-18.3352044913	-25.00000014472	55.561657814697
8486	-8.211470775163	-30.0000001815	55.561657814697

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8488	-8.211470775163	-40.00000019277	55.561657814697
8489	-8.211470775163	-45.00000019841	55.561657814697
8490	-3.149603917096	-35.00000020239	55.561657814697
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8492	-3.149603917096	-40.00000020787	55.561657814697
8493	-3.149603917096	-45.00000021335	55.561657814697
8494	-18.3352044913	-35.00000015662	55.561657814697
8495	-13.27333763323	-35.00000017188	55.561657814697
8496	-18.3352044913	-30.00000015067	55.561657814697
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8498	-18.3352044913	-45.00000016853	55.561657814697
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8507	-3.149603917093	-5.000000169511	55.561657814697
8508	-3.149603917096	-15.00000018047	55.561657814697
8509	-3.149603917096	-20.00000018595	55.561657814697
8510	-18.3352044913	-10.00000012687	55.561657814697
8511	-13.27333763323	-10.00000014291	55.561657814697
8512	-18.33520449129	-5.000000120921	55.561657814697
8513	-13.27333763323	-5.000000137118	55.561657814697
8514	-18.3352044913	-20.00000013877	55.561657814697
8515	-18.3352044913	-15.00000013282	55.561657814697
8516	-13.27333763323	-20.0000001545	55.561657814697
8517	-13.27333763323	-15.0000001487	55.561657814697
8518	-23.39707134936	-95.00000021466	55.561657814697
8519	-23.39707134936	-90.00000020855	55.561657814697
8520	-23.39707134936	-85.00000020244	55.561657814697
8521	-23.39707134936	-80.00000019634	55.561657814697
8522	-23.39707134936	-75.00000019023	55.561657814697
8523	-23.39707134936	-70.00000018412	55.561657814697
8524	-23.39707134936	-65.00000017801	55.561657814697
8525	-23.39707134936	-60.00000017191	55.561657814697
8526	-23.39707134936	-55.0000001658	55.561657814697
8527	-28.45893820743	-75.00000017623	55.561657814697
8528	-33.5208050655	-75.00000016223	55.561657814697
8529	-38.58267192356	-75.00000014823	55.561657814697
8530	-43.64453878162	-75.00000013423	55.561657814697
8531	-33.5208050655	-80.00000016865	55.561657814697
8532	-33.5208050655	-85.00000017507	55.561657814697
8533	-33.5208050655	-90.00000018149	55.561657814697
8534	-33.52080506549	-95.00000018792	55.561657814697
8535	-28.45893820743	-85.00000018876	55.561657814697
8536	-28.45893820743	-80.00000018249	55.561657814697
8537	-28.45893820743	-90.00000019502	55.561657814697
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8539	-43.64453878162	-85.0000001477	55.561657814697
8540	-38.58267192356	-85.00000016139	55.561657814697
8541	-43.64453878162	-80.00000014097	55.561657814697
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8543	-43.64453878162	-95.00000016117	55.561657814697
8544	-43.64453878162	-90.00000015444	55.561657814697
8545	-38.58267192356	-95.00000017454	55.561657814697
8546	-38.58267192356	-90.00000016796	55.561657814697
8547	-33.5208050655	-55.00000013654	55.561657814697
8548	-33.5208050655	-60.00000014297	55.561657814697
8549	-33.5208050655	-65.00000014939	55.561657814697

without springback

8550	-33.5208050655	-70.00000015581	55.561657814697
8551	-28.45893820743	-60.00000015744	55.561657814697
8552	-28.45893820743	-55.00000015117	55.561657814697
8553	-28.45893820743	-65.0000001637	55.561657814697
8554	-28.45893820743	-70.00000016996	55.561657814697
8555	-43.64453878162	-60.00000011402	55.561657814697
8556	-38.58267192356	-60.0000001285	55.561657814697
8557	-43.64453878162	-55.00000010729	55.561657814697
8558	-38.58267192356	-55.00000012192	55.561657814697
8559	-43.64453878162	-70.0000001275	55.561657814697
8560	-43.64453878162	-65.00000012076	55.561657814697
8561	-38.58267192356	-70.00000014165	55.561657814697
8562	-38.58267192356	-65.00000013507	55.561657814697
8563	-3.149603917096	-75.00000024623	55.561657814697
8564	-8.211470775163	-75.00000023223	55.561657814697
8565	-13.27333763323	-75.00000021823	55.561657814697
8566	-18.3352044913	-75.00000020423	55.561657814697
8567	-8.211470775163	-80.00000023786	55.561657814697
8568	-8.211470775163	-85.0000002435	55.561657814697
8569	-8.211470775163	-90.00000024914	55.561657814697
8570	-8.211470775159	-95.00000025478	55.561657814697
8571	-3.149603917096	-85.00000025719	55.561657814697
8572	-3.149603917096	-80.00000025171	55.561657814697
8573	-3.149603917096	-90.00000026267	55.561657814697
8574	-3.149603917093	-95.00000026815	55.561657814697
8575	-18.3352044913	-85.00000021613	55.561657814697
8576	-13.27333763323	-85.00000022982	55.561657814697
8577	-18.3352044913	-80.00000021018	55.561657814697
8578	-13.27333763323	-80.00000022402	55.561657814697
8579	-18.33520449129	-95.00000022803	55.561657814697
8580	-18.3352044913	-90.00000022208	55.561657814697
8581	-13.27333763323	-95.0000002414	55.561657814697
8582	-13.27333763323	-90.00000023561	55.561657814697
8583	-8.211470775163	-55.00000020968	55.561657814697
8584	-8.211470775163	-60.00000021532	55.561657814697
8585	-8.211470775163	-65.00000022096	55.561657814697
8586	-8.211470775163	-70.00000022659	55.561657814697
8587	-3.149603917096	-60.00000022979	55.561657814697
8588	-3.149603917096	-55.00000022431	55.561657814697
8589	-3.149603917096	-65.00000023527	55.561657814697
8590	-3.149603917096	-70.00000024075	55.561657814697
8591	-18.3352044913	-60.00000018638	55.561657814697
8592	-13.27333763323	-60.00000020085	55.561657814697
8593	-18.3352044913	-55.00000018043	55.561657814697
8594	-13.27333763323	-55.00000019505	55.561657814697
8595	-18.3352044913	-70.00000019828	55.561657814697
8596	-18.3352044913	-65.00000019233	55.561657814697
8597	-13.27333763323	-70.00000021244	55.561657814697
8598	-13.27333763323	-65.00000020664	55.561657814697

*ELEMENT_SHELL

281	2	360	230	229	229
282	2	260	342	261	261
863	2	971	841	840	840
864	2	871	953	872	872
4357	6	4647	4778	4777	4777
4358	6	4747	4746	4665	4665
4939	6	5311	5180	5181	5181
4940	6	5211	5212	5293	5293

*ELEMENT_SHELL

1	2	73	25	24	23
2	2	74	73	23	22
3	2	75	74	22	21
4	2	76	75	21	20

				without	springback
5	2	77	76	20	19
6	2	78	77	19	18
7	2	79	78	18	17
8	2	80	79	17	16
9	2	16	15	72	80
10	2	71	88	80	72
11	2	73	81	26	25
12	2	74	82	81	73
13	2	75	83	82	74
14	2	76	84	83	75
15	2	77	85	84	76
16	2	78	86	85	77
17	2	79	87	86	78
18	2	80	88	87	79
19	2	71	70	96	88
20	2	81	89	27	26
21	2	82	90	89	81
22	2	83	91	90	82
23	2	84	92	91	83
24	2	85	93	92	84
25	2	86	94	93	85
26	2	87	95	94	86
27	2	88	96	95	87
28	2	89	97	28	27
29	2	90	98	97	89
30	2	91	99	98	90
31	2	92	100	99	91
32	2	93	101	100	92
33	2	94	102	101	93
34	2	95	103	102	94
35	2	96	104	103	95
36	2	70	69	104	96
37	2	97	105	29	28
38	2	98	106	105	97
39	2	99	107	106	98
40	2	100	108	107	99
41	2	101	109	108	100
42	2	102	110	109	101
43	2	103	111	110	102
44	2	104	112	111	103
45	2	69	68	112	104
46	2	105	113	30	29
47	2	106	114	113	105
48	2	107	115	114	106
49	2	108	116	115	107
50	2	109	117	116	108
51	2	110	118	117	109
52	2	111	119	118	110
53	2	112	120	119	111
54	2	68	67	120	112
55	2	113	121	31	30
56	2	114	122	121	113
57	2	115	123	122	114
58	2	116	124	123	115
59	2	117	125	124	116
60	2	118	126	125	117
61	2	119	127	126	118
62	2	120	128	127	119
63	2	67	66	128	120
64	2	121	129	32	31
65	2	122	130	129	121
66	2	123	131	130	122
67	2	124	132	131	123

				without	springback
68	2	125	133	132	124
69	2	126	134	133	125
70	2	127	135	134	126
71	2	128	136	135	127
72	2	66	65	136	128
73	2	129	137	33	32
74	2	130	138	137	129
75	2	131	139	138	130
76	2	132	140	139	131
77	2	133	141	140	132
78	2	134	142	141	133
79	2	135	143	142	134
80	2	136	144	143	135
81	2	65	64	144	136
82	2	137	145	34	33
83	2	138	146	145	137
84	2	139	147	146	138
85	2	140	148	147	139
86	2	141	149	148	140
87	2	142	150	149	141
88	2	143	151	150	142
89	2	144	152	151	143
90	2	63	152	144	64
91	2	62	160	152	63
92	2	145	153	35	34
93	2	146	154	153	145
94	2	147	155	154	146
95	2	148	156	155	147
96	2	149	157	156	148
97	2	150	158	157	149
98	2	151	159	158	150
99	2	152	160	159	151
100	2	61	168	160	62
101	2	153	161	36	35
102	2	154	162	161	153
103	2	155	163	162	154
104	2	156	164	163	155
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107	2	159	167	166	158
108	2	160	168	167	159
109	2	60	176	168	61
110	2	161	169	37	36
111	2	162	170	169	161
112	2	163	171	170	162
113	2	164	172	171	163
114	2	165	173	172	164
115	2	166	174	173	165
116	2	167	175	174	166
117	2	168	176	175	167
118	2	59	184	176	60
119	2	169	177	38	37
120	2	170	178	177	169
121	2	171	179	178	170
122	2	172	180	179	171
123	2	173	181	180	172
124	2	174	182	181	173
125	2	175	183	182	174
126	2	176	184	183	175
127	2	58	192	184	59
128	2	177	185	39	38
129	2	178	186	185	177
130	2	179	187	186	178

				without	springback
131	2	180	188	187	179
132	2	181	189	188	180
133	2	182	190	189	181
134	2	183	191	190	182
135	2	184	192	191	183
136	2	57	200	192	58
137	2	185	193	40	39
138	2	186	194	193	185
139	2	187	195	194	186
140	2	188	196	195	187
141	2	189	197	196	188
142	2	190	198	197	189
143	2	191	199	198	190
144	2	192	200	199	191
145	2	56	208	200	57
146	2	193	201	41	40
147	2	194	202	201	193
148	2	195	203	202	194
149	2	196	204	203	195
150	2	197	205	204	196
151	2	198	206	205	197
152	2	199	207	206	198
153	2	200	208	207	199
154	2	55	216	208	56
155	2	201	209	42	41
156	2	202	210	209	201
157	2	203	211	210	202
158	2	204	212	211	203
159	2	205	213	212	204
160	2	206	214	213	205
161	2	207	215	214	206
162	2	208	216	215	207
163	2	54	224	216	55
164	2	209	217	43	42
165	2	210	218	217	209
166	2	211	219	218	210
167	2	212	220	219	211
168	2	213	221	220	212
169	2	214	222	221	213
170	2	215	223	222	214
171	2	216	224	223	215
172	2	54	53	52	224
173	2	217	45	44	43
174	2	218	46	45	217
175	2	219	47	46	218
176	2	220	48	47	219
177	2	221	49	48	220
178	2	222	50	49	221
179	2	223	51	50	222
180	2	224	52	51	223
181	2	266	256	255	254
182	2	267	266	254	253
183	2	268	267	253	252
184	2	269	268	252	251
185	2	270	269	251	250
186	2	271	270	250	249
187	2	272	271	249	248
188	2	273	272	248	247
189	2	274	273	247	246
190	2	275	274	246	245
191	2	276	275	245	244
192	2	277	276	244	243
193	2	278	277	243	242

				without	springback
194	2	279	278	242	241
195	2	280	279	241	240
196	2	281	280	240	239
197	2	282	281	239	238
198	2	283	282	238	237
199	2	284	283	237	236
200	2	236	235	234	284
201	2	233	303	284	234
202	2	266	285	257	256
203	2	267	286	285	266
204	2	268	287	286	267
205	2	269	288	287	268
206	2	270	289	288	269
207	2	271	290	289	270
208	2	272	291	290	271
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210	2	274	293	292	273
211	2	275	294	293	274
212	2	276	295	294	275
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214	2	278	297	296	277
215	2	279	298	297	278
216	2	280	299	298	279
217	2	281	300	299	280
218	2	282	301	300	281
219	2	283	302	301	282
220	2	284	303	302	283
221	2	232	322	303	233
222	2	285	304	258	257
223	2	286	305	304	285
224	2	287	306	305	286
225	2	288	307	306	287
226	2	289	308	307	288
227	2	290	309	308	289
228	2	291	310	309	290
229	2	292	311	310	291
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231	2	294	313	312	293
232	2	295	314	313	294
233	2	296	315	314	295
234	2	297	316	315	296
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237	2	300	319	318	299
238	2	301	320	319	300
239	2	302	321	320	301
240	2	303	322	321	302
241	2	231	341	322	232
242	2	304	323	259	258
243	2	305	324	323	304
244	2	306	325	324	305
245	2	307	326	325	306
246	2	308	327	326	307
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251	2	313	332	331	312
252	2	314	333	332	313
253	2	315	334	333	314
254	2	316	335	334	315
255	2	317	336	335	316
256	2	318	337	336	317

				without	springback
257	2	319	338	337	318
258	2	320	339	338	319
259	2	321	340	339	320
260	2	322	341	340	321
261	2	230	360	341	231
262	2	323	342	260	259
263	2	324	343	342	323
264	2	325	344	343	324
265	2	326	345	344	325
266	2	327	346	345	326
267	2	328	347	346	327
268	2	329	348	347	328
269	2	330	349	348	329
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272	2	333	352	351	332
273	2	334	353	352	333
274	2	335	354	353	334
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276	2	337	356	355	336
277	2	338	357	356	337
278	2	339	358	357	338
279	2	340	359	358	339
280	2	341	360	359	340
283	2	361	262	261	342
284	2	343	362	361	342
285	2	344	363	362	343
286	2	345	364	363	344
287	2	346	365	364	345
288	2	347	366	365	346
289	2	348	367	366	347
290	2	349	368	367	348
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294	2	353	372	371	352
295	2	354	373	372	353
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298	2	357	376	375	356
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300	2	359	378	377	358
301	2	360	379	378	359
302	2	229	228	379	360
303	2	227	398	379	228
304	2	380	263	262	361
305	2	362	381	380	361
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307	2	364	383	382	363
308	2	365	384	383	364
309	2	366	385	384	365
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311	2	368	387	386	367
312	2	369	388	387	368
313	2	370	389	388	369
314	2	371	390	389	370
315	2	372	391	390	371
316	2	373	392	391	372
317	2	374	393	392	373
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319	2	376	395	394	375
320	2	377	396	395	376
321	2	378	397	396	377

				without	springback
322	2	379	398	397	378
323	2	226	417	398	227
324	2	399	264	263	380
325	2	381	400	399	380
326	2	382	401	400	381
327	2	383	402	401	382
328	2	384	403	402	383
329	2	385	404	403	384
330	2	386	405	404	385
331	2	387	406	405	386
332	2	388	407	406	387
333	2	389	408	407	388
334	2	390	409	408	389
335	2	391	410	409	390
336	2	392	411	410	391
337	2	393	412	411	392
338	2	394	413	412	393
339	2	395	414	413	394
340	2	396	415	414	395
341	2	397	416	415	396
342	2	398	417	416	397
343	2	225	436	417	226
344	2	418	265	264	399
345	2	400	419	418	399
346	2	401	420	419	400
347	2	402	421	420	401
348	2	403	422	421	402
349	2	404	423	422	403
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355	2	410	429	428	409
356	2	411	430	429	410
357	2	412	431	430	411
358	2	413	432	431	412
359	2	414	433	432	413
360	2	415	434	433	414
361	2	416	435	434	415
362	2	417	436	435	416
363	2	24	25	436	225
364	2	43	44	265	418
365	2	42	43	418	419
366	2	419	420	41	42
367	2	421	40	41	420
368	2	422	39	40	421
369	2	423	38	39	422
370	2	424	37	38	423
371	2	425	36	37	424
372	2	426	35	36	425
373	2	427	34	35	426
374	2	428	33	34	427
375	2	429	32	33	428
376	2	430	31	32	429
377	2	431	30	31	430
378	2	432	29	30	431
379	2	433	28	29	432
380	2	434	27	28	433
381	2	435	26	27	434
382	2	436	25	26	435
383	2	494	456	455	454
384	2	495	494	454	453

				without	springback
385	2	496	495	453	452
386	2	497	496	452	451
387	2	498	497	451	450
388	2	499	498	450	449
389	2	500	499	449	448
390	2	501	500	448	447
391	2	502	501	447	446
392	2	503	502	446	445
393	2	504	503	445	444
394	2	505	504	444	443
395	2	506	505	443	442
396	2	507	506	442	441
397	2	508	507	441	440
398	2	509	508	440	439
399	2	510	509	439	438
400	2	511	510	438	437
401	2	236	237	529	511
402	2	236	511	437	235
403	2	512	457	456	494
404	2	495	513	512	494
405	2	496	514	513	495
406	2	497	515	514	496
407	2	498	516	515	497
408	2	499	517	516	498
409	2	500	518	517	499
410	2	501	519	518	500
411	2	502	520	519	501
412	2	503	521	520	502
413	2	504	522	521	503
414	2	505	523	522	504
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417	2	508	526	525	507
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419	2	510	528	527	509
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421	2	237	238	547	529
422	2	530	458	457	512
423	2	513	531	530	512
424	2	514	532	531	513
425	2	515	533	532	514
426	2	516	534	533	515
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428	2	518	536	535	517
429	2	519	537	536	518
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431	2	521	539	538	520
432	2	522	540	539	521
433	2	523	541	540	522
434	2	524	542	541	523
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436	2	526	544	543	525
437	2	527	545	544	526
438	2	528	546	545	527
439	2	529	547	546	528
440	2	238	239	565	547
441	2	548	459	458	530
442	2	531	549	548	530
443	2	532	550	549	531
444	2	533	551	550	532
445	2	534	552	551	533
446	2	535	553	552	534
447	2	536	554	553	535

				without	springback
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449	2	538	556	555	537
450	2	539	557	556	538
451	2	540	558	557	539
452	2	541	559	558	540
453	2	542	560	559	541
454	2	543	561	560	542
455	2	544	562	561	543
456	2	545	563	562	544
457	2	546	564	563	545
458	2	547	565	564	546
459	2	239	240	583	565
460	2	566	460	459	548
461	2	549	567	566	548
462	2	550	568	567	549
463	2	551	569	568	550
464	2	552	570	569	551
465	2	553	571	570	552
466	2	554	572	571	553
467	2	555	573	572	554
468	2	556	574	573	555
469	2	557	575	574	556
470	2	558	576	575	557
471	2	559	577	576	558
472	2	560	578	577	559
473	2	561	579	578	560
474	2	562	580	579	561
475	2	563	581	580	562
476	2	564	582	581	563
477	2	565	583	582	564
478	2	240	241	601	583
479	2	584	461	460	566
480	2	567	585	584	566
481	2	568	586	585	567
482	2	569	587	586	568
483	2	570	588	587	569
484	2	571	589	588	570
485	2	572	590	589	571
486	2	573	591	590	572
487	2	574	592	591	573
488	2	575	593	592	574
489	2	576	594	593	575
490	2	577	595	594	576
491	2	578	596	595	577
492	2	579	597	596	578
493	2	580	598	597	579
494	2	581	599	598	580
495	2	582	600	599	581
496	2	583	601	600	582
497	2	241	242	619	601
498	2	602	462	461	584
499	2	585	603	602	584
500	2	586	604	603	585
501	2	587	605	604	586
502	2	588	606	605	587
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509	2	595	613	612	594
510	2	596	614	613	595

				without	springback
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512	2	598	616	615	597
513	2	599	617	616	598
514	2	600	618	617	599
515	2	601	619	618	600
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517	2	620	463	462	602
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519	2	604	622	621	603
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526	2	611	629	628	610
527	2	612	630	629	611
528	2	613	631	630	612
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532	2	617	635	634	616
533	2	618	636	635	617
534	2	619	637	636	618
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536	2	638	464	463	620
537	2	621	639	638	620
538	2	622	640	639	621
539	2	623	641	640	622
540	2	624	642	641	623
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542	2	626	644	643	625
543	2	627	645	644	626
544	2	628	646	645	627
545	2	629	647	646	628
546	2	630	648	647	629
547	2	631	649	648	630
548	2	632	650	649	631
549	2	633	651	650	632
550	2	634	652	651	633
551	2	635	653	652	634
552	2	636	654	653	635
553	2	637	655	654	636
554	2	244	245	673	655
555	2	656	465	464	638
556	2	639	657	656	638
557	2	640	658	657	639
558	2	641	659	658	640
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563	2	646	664	663	645
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567	2	650	668	667	649
568	2	651	669	668	650
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570	2	653	671	670	652
571	2	654	672	671	653
572	2	655	673	672	654
573	2	245	246	691	673

				without	springback
574	2	674	466	465	656
575	2	657	675	674	656
576	2	658	676	675	657
577	2	659	677	676	658
578	2	660	678	677	659
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582	2	664	682	681	663
583	2	665	683	682	664
584	2	666	684	683	665
585	2	667	685	684	666
586	2	668	686	685	667
587	2	669	687	686	668
588	2	670	688	687	669
589	2	671	689	688	670
590	2	672	690	689	671
591	2	673	691	690	672
592	2	246	247	709	691
593	2	692	467	466	674
594	2	675	693	692	674
595	2	676	694	693	675
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601	2	682	700	699	681
602	2	683	701	700	682
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608	2	689	707	706	688
609	2	690	708	707	689
610	2	691	709	708	690
611	2	247	248	727	709
612	2	710	468	467	692
613	2	693	711	710	692
614	2	694	712	711	693
615	2	695	713	712	694
616	2	696	714	713	695
617	2	697	715	714	696
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619	2	699	717	716	698
620	2	700	718	717	699
621	2	701	719	718	700
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623	2	703	721	720	702
624	2	704	722	721	703
625	2	705	723	722	704
626	2	706	724	723	705
627	2	707	725	724	706
628	2	708	726	725	707
629	2	709	727	726	708
630	2	248	249	745	727
631	2	728	469	468	710
632	2	711	729	728	710
633	2	712	730	729	711
634	2	713	731	730	712
635	2	714	732	731	713
636	2	715	733	732	714

				without	springback
637	2	716	734	733	715
638	2	717	735	734	716
639	2	718	736	735	717
640	2	719	737	736	718
641	2	720	738	737	719
642	2	721	739	738	720
643	2	722	740	739	721
644	2	723	741	740	722
645	2	724	742	741	723
646	2	725	743	742	724
647	2	726	744	743	725
648	2	727	745	744	726
649	2	249	250	763	745
650	2	746	470	469	728
651	2	729	747	746	728
652	2	730	748	747	729
653	2	731	749	748	730
654	2	732	750	749	731
655	2	733	751	750	732
656	2	734	752	751	733
657	2	735	753	752	734
658	2	736	754	753	735
659	2	737	755	754	736
660	2	738	756	755	737
661	2	739	757	756	738
662	2	740	758	757	739
663	2	741	759	758	740
664	2	742	760	759	741
665	2	743	761	760	742
666	2	744	762	761	743
667	2	745	763	762	744
668	2	250	251	781	763
669	2	764	471	470	746
670	2	747	765	764	746
671	2	748	766	765	747
672	2	749	767	766	748
673	2	750	768	767	749
674	2	751	769	768	750
675	2	752	770	769	751
676	2	753	771	770	752
677	2	754	772	771	753
678	2	755	773	772	754
679	2	756	774	773	755
680	2	757	775	774	756
681	2	758	776	775	757
682	2	759	777	776	758
683	2	760	778	777	759
684	2	761	779	778	760
685	2	762	780	779	761
686	2	763	781	780	762
687	2	251	252	799	781
688	2	782	472	471	764
689	2	765	783	782	764
690	2	766	784	783	765
691	2	767	785	784	766
692	2	768	786	785	767
693	2	769	787	786	768
694	2	770	788	787	769
695	2	771	789	788	770
696	2	772	790	789	771
697	2	773	791	790	772
698	2	774	792	791	773
699	2	775	793	792	774

				without	springback
700	2	776	794	793	775
701	2	777	795	794	776
702	2	778	796	795	777
703	2	779	797	796	778
704	2	780	798	797	779
705	2	781	799	798	780
706	2	252	253	817	799
707	2	800	473	472	782
708	2	783	801	800	782
709	2	784	802	801	783
710	2	785	803	802	784
711	2	786	804	803	785
712	2	787	805	804	786
713	2	788	806	805	787
714	2	789	807	806	788
715	2	790	808	807	789
716	2	791	809	808	790
717	2	792	810	809	791
718	2	793	811	810	792
719	2	794	812	811	793
720	2	795	813	812	794
721	2	796	814	813	795
722	2	797	815	814	796
723	2	798	816	815	797
724	2	799	817	816	798
725	2	253	254	835	817
726	2	818	474	473	800
727	2	801	819	818	800
728	2	802	820	819	801
729	2	803	821	820	802
730	2	804	822	821	803
731	2	805	823	822	804
732	2	806	824	823	805
733	2	807	825	824	806
734	2	808	826	825	807
735	2	809	827	826	808
736	2	810	828	827	809
737	2	811	829	828	810
738	2	812	830	829	811
739	2	813	831	830	812
740	2	814	832	831	813
741	2	815	833	832	814
742	2	816	834	833	815
743	2	817	835	834	816
744	2	255	493	835	254
745	2	474	818	476	475
746	2	819	477	476	818
747	2	820	478	477	819
748	2	821	479	478	820
749	2	822	480	479	821
750	2	823	481	480	822
751	2	823	824	482	481
752	2	483	482	824	825
753	2	484	483	825	826
754	2	485	484	826	827
755	2	486	485	827	828
756	2	487	486	828	829
757	2	488	487	829	830
758	2	489	488	830	831
759	2	490	489	831	832
760	2	491	490	832	833
761	2	492	491	833	834
762	2	493	492	834	835

				without	springback
763	2	877	867	866	865
764	2	864	863	879	878
765	2	878	877	865	864
766	2	863	862	880	879
767	2	862	861	881	880
768	2	861	860	882	881
769	2	859	883	882	860
770	2	859	858	884	883
771	2	857	885	884	858
772	2	856	886	885	857
773	2	856	855	887	886
774	2	888	887	855	854
775	2	889	888	854	853
776	2	851	891	890	852
777	2	890	889	853	852
778	2	850	892	891	851
779	2	850	849	893	892
780	2	847	895	894	848
781	2	894	893	849	848
782	2	847	846	845	895
783	2	844	914	895	845
784	2	896	868	867	877
785	2	878	897	896	877
786	2	879	898	897	878
787	2	880	899	898	879
788	2	881	900	899	880
789	2	882	901	900	881
790	2	883	902	901	882
791	2	884	903	902	883
792	2	885	904	903	884
793	2	886	905	904	885
794	2	887	906	905	886
795	2	888	907	906	887
796	2	889	908	907	888
797	2	890	909	908	889
798	2	891	910	909	890
799	2	892	911	910	891
800	2	893	912	911	892
801	2	894	913	912	893
802	2	895	914	913	894
803	2	843	933	914	844
804	2	915	869	868	896
805	2	897	916	915	896
806	2	898	917	916	897
807	2	899	918	917	898
808	2	900	919	918	899
809	2	901	920	919	900
810	2	902	921	920	901
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812	2	904	923	922	903
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814	2	906	925	924	905
815	2	907	926	925	906
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817	2	909	928	927	908
818	2	910	929	928	909
819	2	911	930	929	910
820	2	912	931	930	911
821	2	913	932	931	912
822	2	914	933	932	913
823	2	842	952	933	843
824	2	934	870	869	915
825	2	916	935	934	915

				without	springback
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827	2	918	937	936	917
828	2	919	938	937	918
829	2	920	939	938	919
830	2	921	940	939	920
831	2	922	941	940	921
832	2	923	942	941	922
833	2	924	943	942	923
834	2	925	944	943	924
835	2	926	945	944	925
836	2	927	946	945	926
837	2	928	947	946	927
838	2	929	948	947	928
839	2	930	949	948	929
840	2	931	950	949	930
841	2	932	951	950	931
842	2	933	952	951	932
843	2	841	971	952	842
844	2	934	953	871	870
845	2	935	954	953	934
846	2	936	955	954	935
847	2	937	956	955	936
848	2	938	957	956	937
849	2	939	958	957	938
850	2	940	959	958	939
851	2	941	960	959	940
852	2	942	961	960	941
853	2	943	962	961	942
854	2	944	963	962	943
855	2	945	964	963	944
856	2	946	965	964	945
857	2	947	966	965	946
858	2	948	967	966	947
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861	2	951	970	969	950
862	2	952	971	970	951
865	2	972	873	872	953
866	2	954	973	972	953
867	2	955	974	973	954
868	2	956	975	974	955
869	2	957	976	975	956
870	2	958	977	976	957
871	2	959	978	977	958
872	2	960	979	978	959
873	2	961	980	979	960
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875	2	963	982	981	962
876	2	964	983	982	963
877	2	965	984	983	964
878	2	966	985	984	965
879	2	967	986	985	966
880	2	968	987	986	967
881	2	969	988	987	968
882	2	970	989	988	969
883	2	971	990	989	970
884	2	840	839	990	971
885	2	991	874	873	972
886	2	973	992	991	972
887	2	974	993	992	973
888	2	975	994	993	974
889	2	976	995	994	975
890	2	977	996	995	976

				without	springback
891	2	978	997	996	977
892	2	979	998	997	978
893	2	980	999	998	979
894	2	981	1000	999	980
895	2	982	1001	1000	981
896	2	983	1002	1001	982
897	2	984	1003	1002	983
898	2	985	1004	1003	984
899	2	986	1005	1004	985
900	2	987	1006	1005	986
901	2	988	1007	1006	987
902	2	989	1008	1007	988
903	2	990	1009	1008	989
904	2	839	838	1009	990
905	2	1010	875	874	991
906	2	992	1011	1010	991
907	2	993	1012	1011	992
908	2	994	1013	1012	993
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910	2	996	1015	1014	995
911	2	997	1016	1015	996
912	2	998	1017	1016	997
913	2	999	1018	1017	998
914	2	1000	1019	1018	999
915	2	1001	1020	1019	1000
916	2	1002	1021	1020	1001
917	2	1003	1022	1021	1002
918	2	1004	1023	1022	1003
919	2	1005	1024	1023	1004
920	2	1006	1025	1024	1005
921	2	1007	1026	1025	1006
922	2	1008	1027	1026	1007
923	2	1009	1028	1027	1008
924	2	838	837	1028	1009
925	2	1029	876	875	1010
926	2	1011	1030	1029	1010
927	2	1012	1031	1030	1011
928	2	1013	1032	1031	1012
929	2	1014	1033	1032	1013
930	2	1015	1034	1033	1014
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932	2	1017	1036	1035	1016
933	2	1018	1037	1036	1017
934	2	1019	1038	1037	1018
935	2	1020	1039	1038	1019
936	2	1021	1040	1039	1020
937	2	1022	1041	1040	1021
938	2	1023	1042	1041	1022
939	2	1024	1043	1042	1023
940	2	1025	1044	1043	1024
941	2	1026	1045	1044	1025
942	2	1027	1046	1045	1026
943	2	1028	1047	1046	1027
944	2	837	836	1047	1028
945	2	876	1029	474	475
946	2	1030	473	474	1029
947	2	1031	472	473	1030
948	2	1032	471	472	1031
949	2	1033	470	471	1032
950	2	1034	469	470	1033
951	2	1035	468	469	1034
952	2	1036	467	468	1035
953	2	1037	466	467	1036

				without	springback
954	2	1038	465	466	1037
955	2	1039	464	465	1038
956	2	1040	463	464	1039
957	2	1041	462	463	1040
958	2	1042	461	462	1041
959	2	1043	460	461	1042
960	2	1044	459	460	1043
961	2	1045	458	459	1044
962	2	1046	457	458	1045
963	2	1047	456	457	1046
964	2	836	455	456	1047
965	2	1064	1065	1062	1061
966	2	15	16	1064	1061
967	2	1065	1066	1063	1062
968	2	1066	1049	1048	1063
969	2	16	17	1067	1064
970	2	1067	1068	1065	1064
971	2	1068	1069	1066	1065
972	2	1069	1050	1049	1066
973	2	17	18	1070	1067
974	2	1070	1071	1068	1067
975	2	1071	1072	1069	1068
976	2	1072	1051	1050	1069
977	2	1075	1052	1051	1072
978	2	18	19	1073	1070
979	2	1073	1074	1071	1070
980	2	1074	1075	1072	1071
981	2	19	20	1076	1073
982	2	1076	1077	1074	1073
983	2	1077	1078	1075	1074
984	2	1078	1053	1052	1075
985	2	1081	1054	1053	1078
986	2	20	21	1079	1076
987	2	1079	1080	1077	1076
988	2	1080	1081	1078	1077
989	2	22	1082	1079	21
990	2	1082	1083	1080	1079
991	2	1083	1084	1081	1080
992	2	1084	1055	1054	1081
993	2	22	23	1085	1082
994	2	1085	1086	1083	1082
995	2	1086	1087	1084	1083
996	2	1087	1056	1055	1084
997	2	24	1060	1085	23
998	2	1060	1059	1086	1085
999	2	1059	1058	1087	1086
1000	2	1058	1057	1056	1087
1001	2	24	225	1102	1060
1002	2	1060	1102	1103	1059
1003	2	1104	1058	1059	1103
1004	2	1104	1088	1057	1058
1005	2	225	226	1105	1102
1006	2	1105	1106	1103	1102
1007	2	1106	1107	1104	1103
1008	2	1107	1089	1088	1104
1009	2	226	227	1108	1105
1010	2	1108	1109	1106	1105
1011	2	1109	1110	1107	1106
1012	2	1110	1090	1089	1107
1013	2	1113	1091	1090	1110
1014	2	227	228	1111	1108
1015	2	1111	1112	1109	1108
1016	2	1112	1113	1110	1109

				without	springback
1017	2	228	229	1114	1111
1018	2	1114	1115	1112	1111
1019	2	1115	1116	1113	1112
1020	2	1116	1092	1091	1113
1021	2	1116	1119	1093	1092
1022	2	230	1117	1114	229
1023	2	1117	1118	1115	1114
1024	2	1118	1119	1116	1115
1025	2	1122	1094	1093	1119
1026	2	231	1120	1117	230
1027	2	1120	1121	1118	1117
1028	2	1121	1122	1119	1118
1029	2	232	1123	1120	231
1030	2	1123	1124	1121	1120
1031	2	1124	1125	1122	1121
1032	2	1125	1095	1094	1122
1033	2	232	233	1126	1123
1034	2	1126	1127	1124	1123
1035	2	1127	1128	1125	1124
1036	2	1128	1096	1095	1125
1037	2	233	234	1129	1126
1038	2	1129	1130	1127	1126
1039	2	1130	1131	1128	1127
1040	2	1131	1097	1096	1128
1041	2	235	1101	1129	234
1042	2	1101	1100	1130	1129
1043	2	1100	1099	1131	1130
1044	2	1099	1098	1097	1131
1045	2	1155	1100	1101	1154
1046	2	235	437	1154	1101
1047	2	1156	1132	1098	1099
1048	2	1100	1155	1156	1099
1049	2	1156	1159	1133	1132
1050	2	437	438	1157	1154
1051	2	1157	1158	1155	1154
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1054	2	438	439	1160	1157
1055	2	1160	1161	1158	1157
1056	2	1161	1162	1159	1158
1057	2	439	440	1163	1160
1058	2	1163	1164	1161	1160
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1061	2	440	441	1166	1163
1062	2	1166	1167	1164	1163
1063	2	1167	1168	1165	1164
1064	2	1168	1136	1135	1165
1065	2	1171	1137	1136	1168
1066	2	441	442	1169	1166
1067	2	1169	1170	1167	1166
1068	2	1170	1171	1168	1167
1069	2	442	443	1172	1169
1070	2	1172	1173	1170	1169
1071	2	1173	1174	1171	1170
1072	2	1174	1138	1137	1171
1073	2	443	444	1175	1172
1074	2	1175	1176	1173	1172
1075	2	1176	1177	1174	1173
1076	2	1177	1139	1138	1174
1077	2	444	445	1178	1175
1078	2	1178	1179	1176	1175
1079	2	1179	1180	1177	1176

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1081	2	445	446	1181	1178
1082	2	1181	1182	1179	1178
1083	2	1182	1183	1180	1179
1084	2	1183	1141	1140	1180
1085	2	1186	1142	1141	1183
1086	2	446	447	1184	1181
1087	2	1184	1185	1182	1181
1088	2	1185	1186	1183	1182
1089	2	447	448	1187	1184
1090	2	1187	1188	1185	1184
1091	2	1188	1189	1186	1185
1092	2	1189	1143	1142	1186
1093	2	448	449	1190	1187
1094	2	1190	1191	1188	1187
1095	2	1191	1192	1189	1188
1096	2	1192	1144	1143	1189
1097	2	449	450	1193	1190
1098	2	1193	1194	1191	1190
1099	2	1194	1195	1192	1191
1100	2	1195	1145	1144	1192
1101	2	450	451	1196	1193
1102	2	1196	1197	1194	1193
1103	2	1197	1198	1195	1194
1104	2	1198	1146	1145	1195
1105	2	451	452	1199	1196
1106	2	1199	1200	1197	1196
1107	2	1200	1201	1198	1197
1108	2	1201	1147	1146	1198
1109	2	452	453	1202	1199
1110	2	1202	1203	1200	1199
1111	2	1203	1204	1201	1200
1112	2	1204	1148	1147	1201
1113	2	453	454	1205	1202
1114	2	1205	1206	1203	1202
1115	2	1206	1207	1204	1203
1116	2	1207	1149	1148	1204
1117	2	455	1153	1205	454
1118	2	1206	1205	1153	1152
1119	2	1152	1151	1207	1206
1120	2	1151	1150	1149	1207
1121	2	455	836	1222	1153
1122	2	1223	1152	1153	1222
1123	2	1224	1151	1152	1223
1124	2	1224	1208	1150	1151
1125	2	836	837	1225	1222
1126	2	1225	1226	1223	1222
1127	2	1226	1227	1224	1223
1128	2	1227	1209	1208	1224
1129	2	837	838	1228	1225
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1134	2	838	839	1231	1228
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1136	2	1232	1233	1230	1229
1137	2	1233	1236	1212	1211
1138	2	839	840	1234	1231
1139	2	1234	1235	1232	1231
1140	2	1235	1236	1233	1232
1141	2	840	841	1237	1234
1142	2	1237	1238	1235	1234

				without	springback
1143	2	1238	1239	1236	1235
1144	2	1239	1213	1212	1236
1145	2	841	842	1240	1237
1146	2	1240	1241	1238	1237
1147	2	1241	1242	1239	1238
1148	2	1242	1214	1213	1239
1149	2	1242	1245	1215	1214
1150	2	843	1243	1240	842
1151	2	1243	1244	1241	1240
1152	2	1244	1245	1242	1241
1153	2	1248	1216	1215	1245
1154	2	844	1246	1243	843
1155	2	1246	1247	1244	1243
1156	2	1247	1248	1245	1244
1157	2	844	845	1249	1246
1158	2	1249	1250	1247	1246
1159	2	1250	1251	1248	1247
1160	2	1251	1217	1216	1248
1161	2	846	1221	1249	845
1162	2	1221	1220	1250	1249
1163	2	1220	1219	1251	1250
1164	2	1219	1218	1217	1251
1165	2	44	45	1268	1252
1166	2	1252	1268	1269	1253
1167	2	1253	1269	1270	1254
1168	2	1256	1255	1254	1270
1169	2	1273	1257	1256	1270
1170	2	45	46	1271	1268
1171	2	1271	1272	1269	1268
1172	2	1272	1273	1270	1269
1173	2	46	47	1274	1271
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1176	2	1276	1258	1257	1273
1177	2	47	48	1277	1274
1178	2	1277	1278	1275	1274
1179	2	1278	1279	1276	1275
1180	2	1279	1259	1258	1276
1181	2	48	49	1280	1277
1182	2	1280	1281	1278	1277
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1185	2	49	50	1283	1280
1186	2	1283	1284	1281	1280
1187	2	1284	1285	1282	1281
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1189	2	50	51	1286	1283
1190	2	1286	1287	1284	1283
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1197	2	1291	1265	1264	1263
1198	2	52	53	1267	1289
1199	2	1289	1267	1266	1290
1200	2	1290	1266	1265	1291
1201	2	255	256	1306	1292
1202	2	1292	1306	1307	1293
1203	2	1293	1307	1308	1294
1204	2	1308	1296	1295	1294
1205	2	256	257	1309	1306

				without	springback
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1207	2	1310	1311	1308	1307
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1210	2	257	258	1312	1309
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1213	2	1317	1299	1298	1314
1214	2	258	259	1315	1312
1215	2	1315	1316	1313	1312
1216	2	1316	1317	1314	1313
1217	2	259	260	1318	1315
1218	2	1318	1319	1316	1315
1219	2	1319	1320	1317	1316
1220	2	1320	1300	1299	1317
1221	2	260	261	1321	1318
1222	2	1321	1322	1319	1318
1223	2	1322	1323	1320	1319
1224	2	1323	1301	1300	1320
1225	2	261	262	1324	1321
1226	2	1324	1325	1322	1321
1227	2	1325	1326	1323	1322
1228	2	1326	1302	1301	1323
1229	2	1329	1303	1302	1326
1230	2	262	263	1327	1324
1231	2	1327	1328	1325	1324
1232	2	1328	1329	1326	1325
1233	2	263	264	1330	1327
1234	2	1330	1331	1328	1327
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1236	2	1332	1304	1303	1329
1237	2	264	265	1333	1330
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1239	2	1334	1335	1332	1331
1240	2	1335	1305	1304	1332
1241	2	1254	1255	1305	1335
1242	2	44	1252	1333	265
1243	2	1252	1253	1334	1333
1244	2	1253	1254	1335	1334
1245	2	1359	1337	1336	1358
1246	2	475	476	1358	1336
1247	2	1360	1338	1337	1359
1248	2	1360	1340	1339	1338
1249	2	476	477	1361	1358
1250	2	1361	1362	1359	1358
1251	2	1362	1363	1360	1359
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1253	2	1366	1342	1341	1363
1254	2	477	478	1364	1361
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1257	2	478	479	1367	1364
1258	2	1367	1368	1365	1364
1259	2	1368	1369	1366	1365
1260	2	1369	1343	1342	1366
1261	2	479	480	1370	1367
1262	2	1370	1371	1368	1367
1263	2	1371	1372	1369	1368
1264	2	1372	1344	1343	1369
1265	2	480	481	1373	1370
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				without	springback
1269	2	481	482	1376	1373
1270	2	1376	1377	1374	1373
1271	2	1377	1378	1375	1374
1272	2	1378	1346	1345	1375
1273	2	482	483	1379	1376
1274	2	1379	1380	1377	1376
1275	2	1380	1381	1378	1377
1276	2	1381	1347	1346	1378
1277	2	483	484	1382	1379
1278	2	1382	1383	1380	1379
1279	2	1383	1384	1381	1380
1280	2	1384	1348	1347	1381
1281	2	1387	1349	1348	1384
1282	2	484	485	1385	1382
1283	2	1385	1386	1383	1382
1284	2	1386	1387	1384	1383
1285	2	485	486	1388	1385
1286	2	1388	1389	1386	1385
1287	2	1389	1390	1387	1386
1288	2	1390	1350	1349	1387
1289	2	486	487	1391	1388
1290	2	1391	1392	1389	1388
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1292	2	1393	1351	1350	1390
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1295	2	1395	1396	1393	1392
1296	2	1396	1352	1351	1393
1297	2	488	489	1397	1394
1298	2	1397	1398	1395	1394
1299	2	1398	1399	1396	1395
1300	2	1399	1353	1352	1396
1301	2	489	490	1400	1397
1302	2	1400	1401	1398	1397
1303	2	1401	1402	1399	1398
1304	2	1402	1354	1353	1399
1305	2	490	491	1403	1400
1306	2	1403	1404	1401	1400
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1309	2	491	492	1406	1403
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1311	2	1407	1408	1405	1404
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1313	2	1411	1357	1356	1408
1314	2	492	493	1409	1406
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1321	2	866	867	1426	1412
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1327	2	1429	1430	1427	1426
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				without	springback
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1333	2	869	870	1435	1432
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1335	2	1436	1437	1434	1433
1336	2	1437	1419	1418	1434
1337	2	870	871	1438	1435
1338	2	1438	1439	1436	1435
1339	2	1439	1440	1437	1436
1340	2	1440	1420	1419	1437
1341	2	871	872	1441	1438
1342	2	1441	1442	1439	1438
1343	2	1442	1443	1440	1439
1344	2	1443	1421	1420	1440
1345	2	872	873	1444	1441
1346	2	1444	1445	1442	1441
1347	2	1445	1446	1443	1442
1348	2	1446	1422	1421	1443
1349	2	873	874	1447	1444
1350	2	1447	1448	1445	1444
1351	2	1448	1449	1446	1445
1352	2	1449	1423	1422	1446
1353	2	1452	1424	1423	1449
1354	2	874	875	1450	1447
1355	2	1450	1451	1448	1447
1356	2	1451	1452	1449	1448
1357	2	875	876	1453	1450
1358	2	1453	1454	1451	1450
1359	2	1454	1455	1452	1451
1360	2	1455	1425	1424	1452
1361	2	475	1336	1453	876
1362	2	1336	1337	1454	1453
1363	2	1337	1338	1455	1454
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1394	2	1558	1469	1468	1549

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1396	2	1559	1560	1551	1550
1397	2	1560	1561	1552	1551
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1405	2	1576	1471	1470	1567
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1423	2	1584	1585	1576	1575
1424	2	1585	1472	1471	1576
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1432	2	1592	1593	1584	1583
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1437	2	1596	1597	1588	1587
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1439	2	1598	1599	1590	1589
1440	2	1599	1600	1591	1590
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				without	springback
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1645	2	1849	1852	1851	1850
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				without	springback
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1911	2	1800	1799	2080	2081
1912	2	1801	1800	2081	2082
1913	2	1802	1801	2082	2083
1914	2	1803	1802	2083	2084
1915	2	1804	1803	2084	2085
1916	2	2085	2086	1805	1804
1917	2	2087	1806	1805	2086
1918	2	2088	1807	1806	2087
1919	2	2089	1808	1807	2088
1920	2	2090	1809	1808	2089
1921	2	2091	1810	1809	2090
1922	2	2092	1811	1810	2091
1923	2	2093	1812	1811	2092
1924	2	1814	1813	1812	2093
1925	2	1456	2111	2112	1531
1926	2	1531	2112	2113	1530
1927	2	2114	2115	1528	1529
1928	2	1530	2113	2114	1529
1929	2	2116	1527	1528	2115
1930	2	1527	2116	2117	1526
1931	2	1526	2117	2118	1525
1932	2	2119	1524	1525	2118
1933	2	2120	1523	1524	2119
1934	2	2121	1522	1523	2120
1935	2	1522	2121	2122	1521
1936	2	1521	2122	2123	1520
1937	2	1520	2123	2124	1519
1938	2	2125	1518	1519	2124
1939	2	2126	1517	1518	2125
1940	2	2126	2127	1516	1517
1941	2	2128	1515	1516	2127
1942	2	1515	2128	2129	1514
1943	2	1514	2129	2130	1513
1944	2	2131	1512	1513	2130
1945	2	2131	2132	1511	1512
1946	2	2134	1509	1510	2133
1947	2	1511	2132	2133	1510
1948	2	2135	1508	1509	2134
1949	2	2136	1507	1508	2135
1950	2	1507	2136	2137	1506
1951	2	1506	2137	2138	1505
1952	2	2138	2094	1504	1505
1953	2	2111	2110	2139	2112
1954	2	2139	2140	2113	2112
1955	2	2140	2141	2114	2113
1956	2	2141	2142	2115	2114
1957	2	2142	2143	2116	2115
1958	2	2143	2144	2117	2116
1959	2	2144	2145	2118	2117
1960	2	2145	2146	2119	2118
1961	2	2146	2147	2120	2119

				without	springback
1962	2	2147	2148	2121	2120
1963	2	2148	2149	2122	2121
1964	2	2149	2150	2123	2122
1965	2	2150	2151	2124	2123
1966	2	2151	2152	2125	2124
1967	2	2152	2153	2126	2125
1968	2	2153	2154	2127	2126
1969	2	2154	2155	2128	2127
1970	2	2155	2156	2129	2128
1971	2	2156	2157	2130	2129
1972	2	2157	2158	2131	2130
1973	2	2158	2159	2132	2131
1974	2	2159	2160	2133	2132
1975	2	2160	2161	2134	2133
1976	2	2161	2162	2135	2134
1977	2	2162	2163	2136	2135
1978	2	2163	2164	2137	2136
1979	2	2164	2165	2138	2137
1980	2	2165	2095	2094	2138
1981	2	2110	2109	2166	2139
1982	2	2166	2167	2140	2139
1983	2	2167	2168	2141	2140
1984	2	2168	2169	2142	2141
1985	2	2169	2170	2143	2142
1986	2	2170	2171	2144	2143
1987	2	2171	2172	2145	2144
1988	2	2172	2173	2146	2145
1989	2	2173	2174	2147	2146
1990	2	2174	2175	2148	2147
1991	2	2175	2176	2149	2148
1992	2	2176	2177	2150	2149
1993	2	2177	2178	2151	2150
1994	2	2178	2179	2152	2151
1995	2	2179	2180	2153	2152
1996	2	2180	2181	2154	2153
1997	2	2181	2182	2155	2154
1998	2	2182	2183	2156	2155
1999	2	2183	2184	2157	2156
2000	2	2184	2185	2158	2157
2001	2	2185	2186	2159	2158
2002	2	2186	2187	2160	2159
2003	2	2187	2188	2161	2160
2004	2	2188	2189	2162	2161
2005	2	2189	2190	2163	2162
2006	2	2190	2191	2164	2163
2007	2	2191	2192	2165	2164
2008	2	2192	2096	2095	2165
2009	2	2109	2108	2193	2166
2010	2	2193	2194	2167	2166
2011	2	2194	2195	2168	2167
2012	2	2195	2196	2169	2168
2013	2	2196	2197	2170	2169
2014	2	2197	2198	2171	2170
2015	2	2198	2199	2172	2171
2016	2	2199	2200	2173	2172
2017	2	2200	2201	2174	2173
2018	2	2201	2202	2175	2174
2019	2	2202	2203	2176	2175
2020	2	2203	2204	2177	2176
2021	2	2204	2205	2178	2177
2022	2	2205	2206	2179	2178
2023	2	2206	2207	2180	2179
2024	2	2207	2208	2181	2180

				without	springback
2025	2	2208	2209	2182	2181
2026	2	2209	2210	2183	2182
2027	2	2210	2211	2184	2183
2028	2	2211	2212	2185	2184
2029	2	2212	2213	2186	2185
2030	2	2213	2214	2187	2186
2031	2	2214	2215	2188	2187
2032	2	2215	2216	2189	2188
2033	2	2216	2217	2190	2189
2034	2	2217	2218	2191	2190
2035	2	2218	2219	2192	2191
2036	2	2219	2097	2096	2192
2037	2	2246	2098	2097	2219
2038	2	2108	2107	2220	2193
2039	2	2220	2221	2194	2193
2040	2	2221	2222	2195	2194
2041	2	2222	2223	2196	2195
2042	2	2223	2224	2197	2196
2043	2	2224	2225	2198	2197
2044	2	2225	2226	2199	2198
2045	2	2226	2227	2200	2199
2046	2	2227	2228	2201	2200
2047	2	2228	2229	2202	2201
2048	2	2229	2230	2203	2202
2049	2	2230	2231	2204	2203
2050	2	2231	2232	2205	2204
2051	2	2232	2233	2206	2205
2052	2	2233	2234	2207	2206
2053	2	2234	2235	2208	2207
2054	2	2235	2236	2209	2208
2055	2	2236	2237	2210	2209
2056	2	2237	2238	2211	2210
2057	2	2238	2239	2212	2211
2058	2	2239	2240	2213	2212
2059	2	2240	2241	2214	2213
2060	2	2241	2242	2215	2214
2061	2	2242	2243	2216	2215
2062	2	2243	2244	2217	2216
2063	2	2244	2245	2218	2217
2064	2	2245	2246	2219	2218
2065	2	2107	2106	2247	2220
2066	2	2247	2248	2221	2220
2067	2	2248	2249	2222	2221
2068	2	2249	2250	2223	2222
2069	2	2250	2251	2224	2223
2070	2	2251	2252	2225	2224
2071	2	2252	2253	2226	2225
2072	2	2253	2254	2227	2226
2073	2	2254	2255	2228	2227
2074	2	2255	2256	2229	2228
2075	2	2256	2257	2230	2229
2076	2	2257	2258	2231	2230
2077	2	2258	2259	2232	2231
2078	2	2259	2260	2233	2232
2079	2	2260	2261	2234	2233
2080	2	2261	2262	2235	2234
2081	2	2262	2263	2236	2235
2082	2	2263	2264	2237	2236
2083	2	2264	2265	2238	2237
2084	2	2265	2266	2239	2238
2085	2	2266	2267	2240	2239
2086	2	2267	2268	2241	2240
2087	2	2268	2269	2242	2241

				without	springback
2088	2	2269	2270	2243	2242
2089	2	2270	2271	2244	2243
2090	2	2271	2272	2245	2244
2091	2	2272	2273	2246	2245
2092	2	2273	2099	2098	2246
2093	2	2106	2105	2274	2247
2094	2	2274	2275	2248	2247
2095	2	2275	2276	2249	2248
2096	2	2276	2277	2250	2249
2097	2	2277	2278	2251	2250
2098	2	2278	2279	2252	2251
2099	2	2279	2280	2253	2252
2100	2	2280	2281	2254	2253
2101	2	2281	2282	2255	2254
2102	2	2282	2283	2256	2255
2103	2	2283	2284	2257	2256
2104	2	2284	2285	2258	2257
2105	2	2285	2286	2259	2258
2106	2	2286	2287	2260	2259
2107	2	2287	2288	2261	2260
2108	2	2288	2289	2262	2261
2109	2	2289	2290	2263	2262
2110	2	2290	2291	2264	2263
2111	2	2291	2292	2265	2264
2112	2	2292	2293	2266	2265
2113	2	2293	2294	2267	2266
2114	2	2294	2295	2268	2267
2115	2	2295	2296	2269	2268
2116	2	2296	2297	2270	2269
2117	2	2297	2298	2271	2270
2118	2	2298	2299	2272	2271
2119	2	2299	2300	2273	2272
2120	2	2273	2300	2100	2099
2121	2	2327	2101	2100	2300
2122	2	2105	2104	2301	2274
2123	2	2301	2302	2275	2274
2124	2	2302	2303	2276	2275
2125	2	2303	2304	2277	2276
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2128	2	2306	2307	2280	2279
2129	2	2307	2308	2281	2280
2130	2	2308	2309	2282	2281
2131	2	2309	2310	2283	2282
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2134	2	2312	2313	2286	2285
2135	2	2313	2314	2287	2286
2136	2	2314	2315	2288	2287
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2138	2	2316	2317	2290	2289
2139	2	2317	2318	2291	2290
2140	2	2318	2319	2292	2291
2141	2	2319	2320	2293	2292
2142	2	2320	2321	2294	2293
2143	2	2321	2322	2295	2294
2144	2	2322	2323	2296	2295
2145	2	2323	2324	2297	2296
2146	2	2324	2325	2298	2297
2147	2	2325	2326	2299	2298
2148	2	2326	2327	2300	2299
2149	2	2104	2103	2328	2301
2150	2	2328	2329	2302	2301

				without	springback
2151	2	2329	2330	2303	2302
2152	2	2330	2331	2304	2303
2153	2	2331	2332	2305	2304
2154	2	2332	2333	2306	2305
2155	2	2333	2334	2307	2306
2156	2	2334	2335	2308	2307
2157	2	2335	2336	2309	2308
2158	2	2336	2337	2310	2309
2159	2	2337	2338	2311	2310
2160	2	2338	2339	2312	2311
2161	2	2339	2340	2313	2312
2162	2	2340	2341	2314	2313
2163	2	2341	2342	2315	2314
2164	2	2342	2343	2316	2315
2165	2	2343	2344	2317	2316
2166	2	2344	2345	2318	2317
2167	2	2345	2346	2319	2318
2168	2	2346	2347	2320	2319
2169	2	2347	2348	2321	2320
2170	2	2348	2349	2322	2321
2171	2	2349	2350	2323	2322
2172	2	2350	2351	2324	2323
2173	2	2351	2352	2325	2324
2174	2	2352	2353	2326	2325
2175	2	2353	2354	2327	2326
2176	2	2354	2102	2101	2327
2177	2	2354	1063	1048	2102
2178	2	1264	1265	2328	2103
2179	2	1265	1266	2329	2328
2180	2	1266	1267	2330	2329
2181	2	2330	1267	53	2331
2182	2	53	54	2332	2331
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2184	2	55	56	2334	2333
2185	2	56	57	2335	2334
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2187	2	58	59	2337	2336
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2192	2	63	64	2342	2341
2193	2	64	65	2343	2342
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2197	2	68	69	2347	2346
2198	2	69	70	2348	2347
2199	2	70	71	2349	2348
2200	2	71	72	2350	2349
2201	2	72	15	2351	2350
2202	2	15	1061	2352	2351
2203	2	2352	1061	1062	2353
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2205	2	2402	1850	1775	2401
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2207	2	2404	2403	2400	2399
2208	2	2405	2404	2399	2398
2209	2	2406	2405	2398	2397
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2211	2	2408	2407	2396	2395
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2213	2	2410	2409	2394	2393

				without	springback
2214	2	2392	2391	2410	2393
2215	2	2411	1849	1850	2402
2216	2	2403	2412	2411	2402
2217	2	2404	2413	2412	2403
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2222	2	2409	2418	2417	2408
2223	2	2410	2419	2418	2409
2224	2	2391	2390	2419	2410
2225	2	2420	1848	1849	2411
2226	2	2412	2421	2420	2411
2227	2	2413	2422	2421	2412
2228	2	2414	2423	2422	2413
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2230	2	2416	2425	2424	2415
2231	2	2417	2426	2425	2416
2232	2	2418	2427	2426	2417
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2235	2	2389	2388	2437	2428
2236	2	2429	1847	1848	2420
2237	2	2421	2430	2429	2420
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2242	2	2426	2435	2434	2425
2243	2	2427	2436	2435	2426
2244	2	2428	2437	2436	2427
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2246	2	2430	2439	2438	2429
2247	2	2431	2440	2439	2430
2248	2	2432	2441	2440	2431
2249	2	2433	2442	2441	2432
2250	2	2434	2443	2442	2433
2251	2	2435	2444	2443	2434
2252	2	2436	2445	2444	2435
2253	2	2437	2446	2445	2436
2254	2	2388	2387	2446	2437
2255	2	2447	1845	1846	2438
2256	2	2439	2448	2447	2438
2257	2	2440	2449	2448	2439
2258	2	2441	2450	2449	2440
2259	2	2442	2451	2450	2441
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2271	2	2453	2462	2461	2452
2272	2	2454	2463	2462	2453
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2274	2	2386	2385	2464	2455
2275	2	2465	1843	1844	2456
2276	2	2457	2466	2465	2456

				without	springback
2277	2	2458	2467	2466	2457
2278	2	2459	2468	2467	2458
2279	2	2460	2469	2468	2459
2280	2	2461	2470	2469	2460
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2282	2	2463	2472	2471	2462
2283	2	2464	2473	2472	2463
2284	2	2385	2384	2473	2464
2285	2	2474	1842	1843	2465
2286	2	2466	2475	2474	2465
2287	2	2467	2476	2475	2466
2288	2	2468	2477	2476	2467
2289	2	2469	2478	2477	2468
2290	2	2470	2479	2478	2469
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2292	2	2472	2481	2480	2471
2293	2	2473	2482	2481	2472
2294	2	2384	2383	2482	2473
2295	2	2483	1841	1842	2474
2296	2	2475	2484	2483	2474
2297	2	2476	2485	2484	2475
2298	2	2477	2486	2485	2476
2299	2	2478	2487	2486	2477
2300	2	2479	2488	2487	2478
2301	2	2480	2489	2488	2479
2302	2	2481	2490	2489	2480
2303	2	2482	2491	2490	2481
2304	2	2383	2382	2491	2482
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2306	2	2484	2493	2492	2483
2307	2	2485	2494	2493	2484
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2320	2	2497	2506	2505	2496
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2327	2	2503	2512	2511	2502
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2329	2	2505	2514	2513	2504
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2332	2	2508	2517	2516	2507
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2336	2	2511	2520	2519	2510
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2341	2	2516	2525	2524	2515
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2353	2	2527	2536	2535	2526
2354	2	2378	2377	2536	2527
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2356	2	2529	2538	2537	2528
2357	2	2530	2539	2538	2529
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2363	2	2536	2545	2544	2535
2364	2	2377	2376	2545	2536
2365	2	2546	1834	1835	2537
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2368	2	2540	2549	2548	2539
2369	2	2541	2550	2549	2540
2370	2	2542	2551	2550	2541
2371	2	2543	2552	2551	2542
2372	2	2544	2553	2552	2543
2373	2	2545	2554	2553	2544
2374	2	2376	2375	2554	2545
2375	2	2555	1833	1834	2546
2376	2	2547	2556	2555	2546
2377	2	2548	2557	2556	2547
2378	2	2549	2558	2557	2548
2379	2	2550	2559	2558	2549
2380	2	2551	2560	2559	2550
2381	2	2552	2561	2560	2551
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2383	2	2554	2563	2562	2553
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2385	2	2564	1832	1833	2555
2386	2	2556	2565	2564	2555
2387	2	2557	2566	2565	2556
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2389	2	2559	2568	2567	2558
2390	2	2560	2569	2568	2559
2391	2	2561	2570	2569	2560
2392	2	2562	2571	2570	2561
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2394	2	2374	2373	2572	2563
2395	2	2573	1831	1832	2564
2396	2	2565	2574	2573	2564
2397	2	2566	2575	2574	2565
2398	2	2567	2576	2575	2566
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2404	2	2373	2372	2581	2572
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2407	2	2575	2584	2583	2574
2408	2	2576	2585	2584	2575
2409	2	2577	2586	2585	2576
2410	2	2578	2587	2586	2577
2411	2	2579	2588	2587	2578
2412	2	2580	2589	2588	2579
2413	2	2581	2590	2589	2580
2414	2	2372	2371	2590	2581
2415	2	2591	1829	1830	2582
2416	2	2583	2592	2591	2582
2417	2	2584	2593	2592	2583
2418	2	2585	2594	2593	2584
2419	2	2586	2595	2594	2585
2420	2	2587	2596	2595	2586
2421	2	2588	2597	2596	2587
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2423	2	2590	2599	2598	2589
2424	2	2371	2370	2599	2590
2425	2	2600	1828	1829	2591
2426	2	2592	2601	2600	2591
2427	2	2593	2602	2601	2592
2428	2	2594	2603	2602	2593
2429	2	2595	2604	2603	2594
2430	2	2596	2605	2604	2595
2431	2	2597	2606	2605	2596
2432	2	2598	2607	2606	2597
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2467	2	2629	2638	2637	2628
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2470	2	2632	2641	2640	2631
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2472	2	2634	2643	2642	2633
2473	2	2635	2644	2643	2634
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2475	2	2636	2355	1823	1824
2476	2	2637	2356	2355	2636
2477	2	2638	2357	2356	2637
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2479	2	2640	2359	2358	2639
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2481	2	2642	2361	2360	2641
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2484	2	2365	2364	2363	2644
2485	2	2662	1220	1221	2661
2486	2	2652	2661	1221	846
2487	2	2663	1219	1220	2662
2488	2	2663	2653	1218	1219
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2539	2	2711	2710	1807	1808
2540	2	1809	2645	2711	1808
2541	2	2693	2712	2686	2685
2542	2	2694	2713	2712	2693
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2552	2	2704	2723	2722	2703
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2601	2	2750	2769	2689	2688
2602	2	2751	2770	2769	2750
2603	2	2752	2771	2770	2751
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2605	2	2754	2773	2772	2753
2606	2	2755	2774	2773	2754
2607	2	2756	2775	2774	2755
2608	2	2757	2776	2775	2756
2609	2	2758	2777	2776	2757
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2612	2	2761	2780	2779	2760
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2617	2	2766	2785	2784	2765
2618	2	2767	2786	2785	2766
2619	2	2768	2787	2786	2767
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2621	2	2769	2788	2690	2689
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2634	2	2782	2801	2800	2781
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2680	2	2651	2652	2844	2825
2681	2	2826	865	866	2692
2682	2	2827	864	865	2826
2683	2	2828	863	864	2827
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2719	2	2866	2867	2864	2863
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2721	2	2867	2870	2850	2849
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2723	2	2868	2869	2866	2865
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2726	2	2871	2872	2869	2868
2727	2	2872	2873	2870	2869
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2729	2	2691	2692	2874	2871
2730	2	2874	2875	2872	2871
2731	2	2875	2876	2873	2872
2732	2	2876	2852	2851	2873
2733	2	866	1412	2874	2692
2734	2	1412	1413	2875	2874
2735	2	1413	1414	2876	2875
2736	2	1414	1415	2852	2876
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4081	6	4930	4988	4987	4931
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4083	6	4928	4990	4989	4929
4084	6	4927	4991	4990	4928
4085	6	4991	4927	4935	4992
4086	6	4936	4935	4927	4919
4087	6	4934	4982	4981	4926
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4107	6	4915	4916	4908	4907
4108	6	4914	4915	4907	4906
4109	6	4913	4914	4906	4905
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4113	6	4910	4979	4978	4902
4114	6	4909	4910	4902	4901
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4119	6	4904	4905	4897	4896
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4122	6	4902	4978	4977	4894
4123	6	4901	4902	4894	4893
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4127	6	4897	4898	4890	4889
4128	6	4896	4897	4889	4888
4129	6	4895	4896	4888	4887
4130	6	4939	4895	4887	4940
4131	6	4894	4977	4976	4886
4132	6	4893	4894	4886	4885
4133	6	4892	4893	4885	4884
4134	6	4891	4892	4884	4883
4135	6	4890	4891	4883	4882
4136	6	4889	4890	4882	4881
4137	6	4888	4889	4881	4880
4138	6	4887	4888	4880	4879
4139	6	4940	4887	4879	4941
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4141	6	4885	4886	4878	4877
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4143	6	4883	4884	4876	4875
4144	6	4882	4883	4875	4874
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4147	6	4879	4880	4872	4871
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4149	6	4878	4975	4974	4870
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4161	6	4867	4868	4860	4859
4162	6	4866	4867	4859	4858
4163	6	4865	4866	4858	4857
4164	6	4864	4865	4857	4856
4165	6	4863	4864	4856	4855
4166	6	4944	4943	4863	4855
4167	6	4945	4944	4855	4847
4168	6	4862	4973	4972	4854
4169	6	4861	4862	4854	4853
4170	6	4860	4861	4853	4852
4171	6	4859	4860	4852	4851
4172	6	4858	4859	4851	4850
4173	6	4857	4858	4850	4849
4174	6	4856	4857	4849	4848
4175	6	4855	4856	4848	4847
4176	6	4946	4945	4847	4839
4177	6	4854	4972	4971	4846
4178	6	4853	4854	4846	4845
4179	6	4852	4853	4845	4844
4180	6	4851	4852	4844	4843
4181	6	4850	4851	4843	4842
4182	6	4849	4850	4842	4841
4183	6	4848	4849	4841	4840

				without	springback
4184	6	4847	4848	4840	4839
4185	6	4947	4946	4839	4831
4186	6	4846	4971	4970	4838
4187	6	4845	4846	4838	4837
4188	6	4844	4845	4837	4836
4189	6	4843	4844	4836	4835
4190	6	4842	4843	4835	4834
4191	6	4841	4842	4834	4833
4192	6	4840	4841	4833	4832
4193	6	4839	4840	4832	4831
4194	6	4948	4947	4831	4823
4195	6	4838	4970	4969	4830
4196	6	4837	4838	4830	4829
4197	6	4836	4837	4829	4828
4198	6	4835	4836	4828	4827
4199	6	4834	4835	4827	4826
4200	6	4833	4834	4826	4825
4201	6	4832	4833	4825	4824
4202	6	4831	4832	4824	4823
4203	6	4949	4948	4823	4815
4204	6	4830	4969	4968	4822
4205	6	4829	4830	4822	4821
4206	6	4828	4829	4821	4820
4207	6	4827	4828	4820	4819
4208	6	4826	4827	4819	4818
4209	6	4825	4826	4818	4817
4210	6	4824	4825	4817	4816
4211	6	4823	4824	4816	4815
4212	6	4950	4949	4815	4807
4213	6	4822	4968	4967	4814
4214	6	4821	4822	4814	4813
4215	6	4820	4821	4813	4812
4216	6	4819	4820	4812	4811
4217	6	4818	4819	4811	4810
4218	6	4817	4818	4810	4809
4219	6	4816	4817	4809	4808
4220	6	4815	4816	4808	4807
4221	6	4951	4950	4807	4799
4222	6	4814	4967	4966	4806
4223	6	4813	4814	4806	4805
4224	6	4812	4813	4805	4804
4225	6	4811	4812	4804	4803
4226	6	4810	4811	4803	4802
4227	6	4809	4810	4802	4801
4228	6	4808	4809	4801	4800
4229	6	4807	4808	4800	4799
4230	6	4952	4951	4799	4791
4231	6	4806	4966	4965	4798
4232	6	4805	4806	4798	4797
4233	6	4804	4805	4797	4796
4234	6	4803	4804	4796	4795
4235	6	4802	4803	4795	4794
4236	6	4801	4802	4794	4793
4237	6	4800	4801	4793	4792
4238	6	4799	4800	4792	4791
4239	6	4953	4952	4791	4783
4240	6	4798	4965	4964	4790
4241	6	4797	4798	4790	4789
4242	6	4796	4797	4789	4788
4243	6	4795	4796	4788	4787
4244	6	4794	4795	4787	4786
4245	6	4793	4794	4786	4785
4246	6	4792	4793	4785	4784

				without	springback
4247	6	4791	4792	4784	4783
4248	6	4953	4783	4955	4954
4249	6	4790	4964	4963	4962
4250	6	4789	4790	4962	4961
4251	6	4788	4789	4961	4960
4252	6	4787	4788	4960	4959
4253	6	4786	4787	4959	4958
4254	6	4785	4786	4958	4957
4255	6	4784	4785	4957	4956
4256	6	4783	4784	4956	4955
4257	6	4741	4753	4752	4751
4258	6	4740	4754	4753	4741
4259	6	4739	4755	4754	4740
4260	6	4738	4756	4755	4739
4261	6	4737	4757	4756	4738
4262	6	4736	4758	4757	4737
4263	6	4735	4759	4758	4736
4264	6	4734	4760	4759	4735
4265	6	4733	4761	4760	4734
4266	6	4732	4762	4761	4733
4267	6	4731	4763	4762	4732
4268	6	4730	4764	4763	4731
4269	6	4729	4765	4764	4730
4270	6	4728	4766	4765	4729
4271	6	4727	4767	4766	4728
4272	6	4726	4768	4767	4727
4273	6	4725	4769	4768	4726
4274	6	4724	4770	4769	4725
4275	6	4723	4771	4770	4724
4276	6	4771	4723	4773	4772
4277	6	4774	4773	4723	4704
4278	6	4741	4751	4750	4722
4279	6	4740	4741	4722	4721
4280	6	4739	4740	4721	4720
4281	6	4738	4739	4720	4719
4282	6	4737	4738	4719	4718
4283	6	4736	4737	4718	4717
4284	6	4735	4736	4717	4716
4285	6	4734	4735	4716	4715
4286	6	4733	4734	4715	4714
4287	6	4732	4733	4714	4713
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4289	6	4730	4731	4712	4711
4290	6	4729	4730	4711	4710
4291	6	4728	4729	4710	4709
4292	6	4727	4728	4709	4708
4293	6	4726	4727	4708	4707
4294	6	4725	4726	4707	4706
4295	6	4724	4725	4706	4705
4296	6	4723	4724	4705	4704
4297	6	4775	4774	4704	4685
4298	6	4722	4750	4749	4703
4299	6	4721	4722	4703	4702
4300	6	4720	4721	4702	4701
4301	6	4719	4720	4701	4700
4302	6	4718	4719	4700	4699
4303	6	4717	4718	4699	4698
4304	6	4716	4717	4698	4697
4305	6	4715	4716	4697	4696
4306	6	4714	4715	4696	4695
4307	6	4713	4714	4695	4694
4308	6	4712	4713	4694	4693
4309	6	4711	4712	4693	4692

				without	springback
4310	6	4710	4711	4692	4691
4311	6	4709	4710	4691	4690
4312	6	4708	4709	4690	4689
4313	6	4707	4708	4689	4688
4314	6	4706	4707	4688	4687
4315	6	4705	4706	4687	4686
4316	6	4704	4705	4686	4685
4317	6	4776	4775	4685	4666
4318	6	4703	4749	4748	4684
4319	6	4702	4703	4684	4683
4320	6	4701	4702	4683	4682
4321	6	4700	4701	4682	4681
4322	6	4699	4700	4681	4680
4323	6	4698	4699	4680	4679
4324	6	4697	4698	4679	4678
4325	6	4696	4697	4678	4677
4326	6	4695	4696	4677	4676
4327	6	4694	4695	4676	4675
4328	6	4693	4694	4675	4674
4329	6	4692	4693	4674	4673
4330	6	4691	4692	4673	4672
4331	6	4690	4691	4672	4671
4332	6	4689	4690	4671	4670
4333	6	4688	4689	4670	4669
4334	6	4687	4688	4669	4668
4335	6	4686	4687	4668	4667
4336	6	4685	4686	4667	4666
4337	6	4777	4776	4666	4647
4338	6	4684	4748	4747	4665
4339	6	4683	4684	4665	4664
4340	6	4682	4683	4664	4663
4341	6	4681	4682	4663	4662
4342	6	4680	4681	4662	4661
4343	6	4679	4680	4661	4660
4344	6	4678	4679	4660	4659
4345	6	4677	4678	4659	4658
4346	6	4676	4677	4658	4657
4347	6	4675	4676	4657	4656
4348	6	4674	4675	4656	4655
4349	6	4673	4674	4655	4654
4350	6	4672	4673	4654	4653
4351	6	4671	4672	4653	4652
4352	6	4670	4671	4652	4651
4353	6	4669	4670	4651	4650
4354	6	4668	4669	4650	4649
4355	6	4667	4668	4649	4648
4356	6	4666	4667	4648	4647
4359	6	4646	4665	4746	4745
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4361	6	4663	4664	4645	4644
4362	6	4662	4663	4644	4643
4363	6	4661	4662	4643	4642
4364	6	4660	4661	4642	4641
4365	6	4659	4660	4641	4640
4366	6	4658	4659	4640	4639
4367	6	4657	4658	4639	4638
4368	6	4656	4657	4638	4637
4369	6	4655	4656	4637	4636
4370	6	4654	4655	4636	4635
4371	6	4653	4654	4635	4634
4372	6	4652	4653	4634	4633
4373	6	4651	4652	4633	4632
4374	6	4650	4651	4632	4631

				without	springback
4375	6	4649	4650	4631	4630
4376	6	4648	4649	4630	4629
4377	6	4647	4648	4629	4628
4378	6	4778	4647	4628	4779
4379	6	4780	4779	4628	4609
4380	6	4627	4646	4745	4744
4381	6	4645	4646	4627	4626
4382	6	4644	4645	4626	4625
4383	6	4643	4644	4625	4624
4384	6	4642	4643	4624	4623
4385	6	4641	4642	4623	4622
4386	6	4640	4641	4622	4621
4387	6	4639	4640	4621	4620
4388	6	4638	4639	4620	4619
4389	6	4637	4638	4619	4618
4390	6	4636	4637	4618	4617
4391	6	4635	4636	4617	4616
4392	6	4634	4635	4616	4615
4393	6	4633	4634	4615	4614
4394	6	4632	4633	4614	4613
4395	6	4631	4632	4613	4612
4396	6	4630	4631	4612	4611
4397	6	4629	4630	4611	4610
4398	6	4628	4629	4610	4609
4399	6	4781	4780	4609	4590
4400	6	4608	4627	4744	4743
4401	6	4626	4627	4608	4607
4402	6	4625	4626	4607	4606
4403	6	4624	4625	4606	4605
4404	6	4623	4624	4605	4604
4405	6	4622	4623	4604	4603
4406	6	4621	4622	4603	4602
4407	6	4620	4621	4602	4601
4408	6	4619	4620	4601	4600
4409	6	4618	4619	4600	4599
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4413	6	4614	4615	4596	4595
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4415	6	4612	4613	4594	4593
4416	6	4611	4612	4593	4592
4417	6	4610	4611	4592	4591
4418	6	4609	4610	4591	4590
4419	6	4782	4781	4590	4571
4420	6	4589	4608	4743	4742
4421	6	4607	4608	4589	4588
4422	6	4606	4607	4588	4587
4423	6	4605	4606	4587	4586
4424	6	4604	4605	4586	4585
4425	6	4603	4604	4585	4584
4426	6	4602	4603	4584	4583
4427	6	4601	4602	4583	4582
4428	6	4600	4601	4582	4581
4429	6	4599	4600	4581	4580
4430	6	4598	4599	4580	4579
4431	6	4597	4598	4579	4578
4432	6	4596	4597	4578	4577
4433	6	4595	4596	4577	4576
4434	6	4594	4595	4576	4575
4435	6	4593	4594	4575	4574
4436	6	4592	4593	4574	4573
4437	6	4591	4592	4573	4572

				without	springback
4438	6	4590	4591	4572	4571
4439	6	4983	4782	4571	4982
4440	6	4964	4589	4742	4963
4441	6	4965	4588	4589	4964
4442	6	4588	4965	4966	4587
4443	6	4586	4587	4966	4967
4444	6	4585	4586	4967	4968
4445	6	4584	4585	4968	4969
4446	6	4583	4584	4969	4970
4447	6	4582	4583	4970	4971
4448	6	4581	4582	4971	4972
4449	6	4580	4581	4972	4973
4450	6	4579	4580	4973	4974
4451	6	4578	4579	4974	4975
4452	6	4577	4578	4975	4976
4453	6	4576	4577	4976	4977
4454	6	4575	4576	4977	4978
4455	6	4574	4575	4978	4979
4456	6	4573	4574	4979	4980
4457	6	4572	4573	4980	4981
4458	6	4571	4572	4981	4982
4459	6	4513	4553	4552	4551
4460	6	4512	4554	4553	4513
4461	6	4511	4555	4554	4512
4462	6	4510	4556	4555	4511
4463	6	4509	4557	4556	4510
4464	6	4508	4558	4557	4509
4465	6	4507	4559	4558	4508
4466	6	4506	4560	4559	4507
4467	6	4505	4561	4560	4506
4468	6	4504	4562	4561	4505
4469	6	4503	4563	4562	4504
4470	6	4502	4564	4563	4503
4471	6	4501	4565	4564	4502
4472	6	4500	4566	4565	4501
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4474	6	4498	4568	4567	4499
4475	6	4497	4569	4568	4498
4476	6	4496	4570	4569	4497
4477	6	4771	4496	4478	4770
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4479	6	4495	4513	4551	4550
4480	6	4512	4513	4495	4494
4481	6	4511	4512	4494	4493
4482	6	4510	4511	4493	4492
4483	6	4509	4510	4492	4491
4484	6	4508	4509	4491	4490
4485	6	4507	4508	4490	4489
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4487	6	4505	4506	4488	4487
4488	6	4504	4505	4487	4486
4489	6	4503	4504	4486	4485
4490	6	4502	4503	4485	4484
4491	6	4501	4502	4484	4483
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4495	6	4497	4498	4480	4479
4496	6	4496	4497	4479	4478
4497	6	4770	4478	4460	4769
4498	6	4477	4495	4550	4549
4499	6	4494	4495	4477	4476
4500	6	4493	4494	4476	4475

				without	springback
4501	6	4492	4493	4475	4474
4502	6	4491	4492	4474	4473
4503	6	4490	4491	4473	4472
4504	6	4489	4490	4472	4471
4505	6	4488	4489	4471	4470
4506	6	4487	4488	4470	4469
4507	6	4486	4487	4469	4468
4508	6	4485	4486	4468	4467
4509	6	4484	4485	4467	4466
4510	6	4483	4484	4466	4465
4511	6	4482	4483	4465	4464
4512	6	4481	4482	4464	4463
4513	6	4480	4481	4463	4462
4514	6	4479	4480	4462	4461
4515	6	4478	4479	4461	4460
4516	6	4769	4460	4442	4768
4517	6	4459	4477	4549	4548
4518	6	4476	4477	4459	4458
4519	6	4475	4476	4458	4457
4520	6	4474	4475	4457	4456
4521	6	4473	4474	4456	4455
4522	6	4472	4473	4455	4454
4523	6	4471	4472	4454	4453
4524	6	4470	4471	4453	4452
4525	6	4469	4470	4452	4451
4526	6	4468	4469	4451	4450
4527	6	4467	4468	4450	4449
4528	6	4466	4467	4449	4448
4529	6	4465	4466	4448	4447
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4538	6	4457	4458	4440	4439
4539	6	4456	4457	4439	4438
4540	6	4455	4456	4438	4437
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4542	6	4453	4454	4436	4435
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4544	6	4451	4452	4434	4433
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4546	6	4449	4450	4432	4431
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4561	6	4435	4436	4418	4417
4562	6	4434	4435	4417	4416
4563	6	4433	4434	4416	4415

				without	springback
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4565	6	4431	4432	4414	4413
4566	6	4430	4431	4413	4412
4567	6	4429	4430	4412	4411
4568	6	4428	4429	4411	4410
4569	6	4427	4428	4410	4409
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4571	6	4425	4426	4408	4407
4572	6	4424	4425	4407	4406
4573	6	4766	4406	4388	4765
4574	6	4405	4423	4546	4545
4575	6	4422	4423	4405	4404
4576	6	4421	4422	4404	4403
4577	6	4420	4421	4403	4402
4578	6	4419	4420	4402	4401
4579	6	4418	4419	4401	4400
4580	6	4417	4418	4400	4399
4581	6	4416	4417	4399	4398
4582	6	4415	4416	4398	4397
4583	6	4414	4415	4397	4396
4584	6	4413	4414	4396	4395
4585	6	4412	4413	4395	4394
4586	6	4411	4412	4394	4393
4587	6	4410	4411	4393	4392
4588	6	4409	4410	4392	4391
4589	6	4408	4409	4391	4390
4590	6	4407	4408	4390	4389
4591	6	4406	4407	4389	4388
4592	6	4765	4388	4370	4764
4593	6	4387	4405	4545	4544
4594	6	4404	4405	4387	4386
4595	6	4403	4404	4386	4385
4596	6	4402	4403	4385	4384
4597	6	4401	4402	4384	4383
4598	6	4400	4401	4383	4382
4599	6	4399	4400	4382	4381
4600	6	4398	4399	4381	4380
4601	6	4397	4398	4380	4379
4602	6	4396	4397	4379	4378
4603	6	4395	4396	4378	4377
4604	6	4394	4395	4377	4376
4605	6	4393	4394	4376	4375
4606	6	4392	4393	4375	4374
4607	6	4391	4392	4374	4373
4608	6	4390	4391	4373	4372
4609	6	4389	4390	4372	4371
4610	6	4388	4389	4371	4370
4611	6	4764	4370	4995	4763
4612	6	4369	4387	4544	4543
4613	6	4386	4387	4369	4368
4614	6	4385	4386	4368	4367
4615	6	4384	4385	4367	4366
4616	6	4383	4384	4366	4365
4617	6	4382	4383	4365	4364
4618	6	4381	4382	4364	4363
4619	6	4380	4381	4363	4362
4620	6	4379	4380	4362	4361
4621	6	4378	4379	4361	4360
4622	6	4377	4378	4360	4359
4623	6	4376	4377	4359	4358
4624	6	4375	4376	4358	4357
4625	6	4374	4375	4357	4356
4626	6	4373	4374	4356	4355

				without	springback
4627	6	4372	4373	4355	4993
4628	6	4371	4372	4993	4994
4629	6	4370	4371	4994	4995
4630	6	4763	4995	5013	4762
4631	6	4996	4369	4543	4542
4632	6	4368	4369	4996	4997
4633	6	4367	4368	4997	4998
4634	6	4366	4367	4998	4999
4635	6	4365	4366	4999	5000
4636	6	4364	4365	5000	5001
4637	6	4363	4364	5001	5002
4638	6	4362	4363	5002	5003
4639	6	4361	4362	5003	5004
4640	6	4360	4361	5004	5005
4641	6	4359	4360	5005	5006
4642	6	4358	4359	5006	5007
4643	6	4357	4358	5007	5008
4644	6	4356	4357	5008	5009
4645	6	4355	4356	5009	5010
4646	6	4993	4355	5010	5011
4647	6	4994	4993	5011	5012
4648	6	4995	4994	5012	5013
4649	6	4762	5013	5031	4761
4650	6	5014	4996	4542	4541
4651	6	4997	4996	5014	5015
4652	6	4998	4997	5015	5016
4653	6	4999	4998	5016	5017
4654	6	5000	4999	5017	5018
4655	6	5001	5000	5018	5019
4656	6	5002	5001	5019	5020
4657	6	5003	5002	5020	5021
4658	6	5004	5003	5021	5022
4659	6	5005	5004	5022	5023
4660	6	5006	5005	5023	5024
4661	6	5007	5006	5024	5025
4662	6	5008	5007	5025	5026
4663	6	5009	5008	5026	5027
4664	6	5010	5009	5027	5028
4665	6	5011	5010	5028	5029
4666	6	5012	5011	5029	5030
4667	6	5013	5012	5030	5031
4668	6	4761	5031	5049	4760
4669	6	5032	5014	4541	4540
4670	6	5015	5014	5032	5033
4671	6	5016	5015	5033	5034
4672	6	5017	5016	5034	5035
4673	6	5018	5017	5035	5036
4674	6	5019	5018	5036	5037
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4676	6	5021	5020	5038	5039
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4679	6	5024	5023	5041	5042
4680	6	5025	5024	5042	5043
4681	6	5026	5025	5043	5044
4682	6	5027	5026	5044	5045
4683	6	5028	5027	5045	5046
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4685	6	5030	5029	5047	5048
4686	6	5031	5030	5048	5049
4687	6	4760	5049	5067	4759
4688	6	5050	5032	4540	4539
4689	6	5033	5032	5050	5051

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4691	6	5035	5034	5052	5053
4692	6	5036	5035	5053	5054
4693	6	5037	5036	5054	5055
4694	6	5038	5037	5055	5056
4695	6	5039	5038	5056	5057
4696	6	5040	5039	5057	5058
4697	6	5041	5040	5058	5059
4698	6	5042	5041	5059	5060
4699	6	5043	5042	5060	5061
4700	6	5044	5043	5061	5062
4701	6	5045	5044	5062	5063
4702	6	5046	5045	5063	5064
4703	6	5047	5046	5064	5065
4704	6	5048	5047	5065	5066
4705	6	5049	5048	5066	5067
4706	6	4759	5067	5085	4758
4707	6	5068	5050	4539	4538
4708	6	5051	5050	5068	5069
4709	6	5052	5051	5069	5070
4710	6	5053	5052	5070	5071
4711	6	5054	5053	5071	5072
4712	6	5055	5054	5072	5073
4713	6	5056	5055	5073	5074
4714	6	5057	5056	5074	5075
4715	6	5058	5057	5075	5076
4716	6	5059	5058	5076	5077
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4719	6	5062	5061	5079	5080
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4721	6	5064	5063	5081	5082
4722	6	5065	5064	5082	5083
4723	6	5066	5065	5083	5084
4724	6	5067	5066	5084	5085
4725	6	4758	5085	5103	4757
4726	6	5086	5068	4538	4537
4727	6	5069	5068	5086	5087
4728	6	5070	5069	5087	5088
4729	6	5071	5070	5088	5089
4730	6	5072	5071	5089	5090
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4733	6	5075	5074	5092	5093
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4735	6	5077	5076	5094	5095
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4740	6	5082	5081	5099	5100
4741	6	5083	5082	5100	5101
4742	6	5084	5083	5101	5102
4743	6	5085	5084	5102	5103
4744	6	4757	5103	5121	4756
4745	6	5104	5086	4537	4536
4746	6	5087	5086	5104	5105
4747	6	5088	5087	5105	5106
4748	6	5089	5088	5106	5107
4749	6	5090	5089	5107	5108
4750	6	5091	5090	5108	5109
4751	6	5092	5091	5109	5110
4752	6	5093	5092	5110	5111

				without	springback
4753	6	5094	5093	5111	5112
4754	6	5095	5094	5112	5113
4755	6	5096	5095	5113	5114
4756	6	5097	5096	5114	5115
4757	6	5098	5097	5115	5116
4758	6	5099	5098	5116	5117
4759	6	5100	5099	5117	5118
4760	6	5101	5100	5118	5119
4761	6	5102	5101	5119	5120
4762	6	5103	5102	5120	5121
4763	6	4756	5121	5139	4755
4764	6	5122	5104	4536	4535
4765	6	5105	5104	5122	5123
4766	6	5106	5105	5123	5124
4767	6	5107	5106	5124	5125
4768	6	5108	5107	5125	5126
4769	6	5109	5108	5126	5127
4770	6	5110	5109	5127	5128
4771	6	5111	5110	5128	5129
4772	6	5112	5111	5129	5130
4773	6	5113	5112	5130	5131
4774	6	5114	5113	5131	5132
4775	6	5115	5114	5132	5133
4776	6	5116	5115	5133	5134
4777	6	5117	5116	5134	5135
4778	6	5118	5117	5135	5136
4779	6	5119	5118	5136	5137
4780	6	5120	5119	5137	5138
4781	6	5121	5120	5138	5139
4782	6	4755	5139	5157	4754
4783	6	5140	5122	4535	4534
4784	6	5123	5122	5140	5141
4785	6	5124	5123	5141	5142
4786	6	5125	5124	5142	5143
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4788	6	5127	5126	5144	5145
4789	6	5128	5127	5145	5146
4790	6	5129	5128	5146	5147
4791	6	5130	5129	5147	5148
4792	6	5131	5130	5148	5149
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4796	6	5135	5134	5152	5153
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4800	6	5139	5138	5156	5157
4801	6	4754	5157	5175	4753
4802	6	5158	5140	4534	4533
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4805	6	5143	5142	5160	5161
4806	6	5144	5143	5161	5162
4807	6	5145	5144	5162	5163
4808	6	5146	5145	5163	5164
4809	6	5147	5146	5164	5165
4810	6	5148	5147	5165	5166
4811	6	5149	5148	5166	5167
4812	6	5150	5149	5167	5168
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4814	6	5152	5151	5169	5170
4815	6	5153	5152	5170	5171

				without	springback
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4817	6	5155	5154	5172	5173
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4820	6	4752	4753	5175	4514
4821	6	4533	4532	4531	5158
4822	6	5159	5158	4531	4530
4823	6	5160	5159	4530	4529
4824	6	5161	5160	4529	4528
4825	6	5162	5161	4528	4527
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4827	6	5163	4526	4525	5164
4828	6	4524	5165	5164	4525
4829	6	4523	5166	5165	4524
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4831	6	4521	5168	5167	4522
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4834	6	4518	5171	5170	4519
4835	6	4517	5172	5171	4518
4836	6	4516	5173	5172	4517
4837	6	4515	5174	5173	4516
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4843	6	5202	5220	5221	5201
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4845	6	5199	5200	5222	5223
4846	6	5199	5223	5224	5198
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4849	6	5196	5226	5227	5195
4850	6	5228	5194	5195	5227
4851	6	5229	5193	5194	5228
4852	6	5191	5192	5230	5231
4853	6	5230	5192	5193	5229
4854	6	5190	5191	5231	5232
4855	6	5190	5232	5233	5189
4856	6	5187	5188	5234	5235
4857	6	5234	5188	5189	5233
4858	6	5187	5235	5185	5186
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4860	6	5236	5217	5207	5208
4861	6	5218	5217	5236	5237
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4875	6	5232	5231	5250	5251
4876	6	5233	5232	5251	5252
4877	6	5234	5233	5252	5253
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				without	springback
4879	6	5183	5184	5254	5273
4880	6	5255	5236	5208	5209
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4883	6	5239	5238	5257	5258
4884	6	5240	5239	5258	5259
4885	6	5241	5240	5259	5260
4886	6	5242	5241	5260	5261
4887	6	5243	5242	5261	5262
4888	6	5244	5243	5262	5263
4889	6	5245	5244	5263	5264
4890	6	5246	5245	5264	5265
4891	6	5247	5246	5265	5266
4892	6	5248	5247	5266	5267
4893	6	5249	5248	5267	5268
4894	6	5250	5249	5268	5269
4895	6	5251	5250	5269	5270
4896	6	5252	5251	5270	5271
4897	6	5253	5252	5271	5272
4898	6	5254	5253	5272	5273
4899	6	5182	5183	5273	5292
4900	6	5274	5255	5209	5210
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4902	6	5257	5256	5275	5276
4903	6	5258	5257	5276	5277
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4905	6	5260	5259	5278	5279
4906	6	5261	5260	5279	5280
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4945	6	5297	5296	5315	5316
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4951	6	5303	5302	5321	5322
4952	6	5304	5303	5322	5323
4953	6	5305	5304	5323	5324
4954	6	5306	5305	5324	5325
4955	6	5307	5306	5325	5326
4956	6	5308	5307	5326	5327
4957	6	5309	5308	5327	5328
4958	6	5310	5309	5328	5329
4959	6	5311	5310	5329	5330
4960	6	5180	5311	5330	5179
4961	6	5331	5312	5213	5214
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5005	6	5354	5353	5372	5373
5006	6	5355	5354	5373	5374

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5008	6	5357	5356	5375	5376
5009	6	5358	5357	5376	5377
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5014	6	5363	5362	5381	5382
5015	6	5364	5363	5382	5383
5016	6	5365	5364	5383	5384
5017	6	5366	5365	5384	5385
5018	6	5367	5366	5385	5386
5019	6	5368	5367	5386	5387
5020	6	5177	5368	5387	5176
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5023	6	5371	5370	4534	4535
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5036	6	5384	5383	4547	4548
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5039	6	5387	5386	4550	4551
5040	6	5176	5387	4551	4552
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5045	6	4991	5404	5407	4990
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5067	6	5423	5420	5421	5424
5068	6	5424	5421	5394	5395
5069	6	4985	5422	5425	4984

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5070	6	5425	5422	5423	5426
5071	6	5426	5423	5424	5427
5072	6	5427	5424	5395	5396
5073	6	4983	4984	5425	5400
5074	6	5400	5425	5426	5399
5075	6	5399	5426	5427	5398
5076	6	5398	5427	5396	5397
5077	6	4983	5400	5442	4782
5078	6	5400	5399	5443	5442
5079	6	5444	5443	5399	5398
5080	6	5444	5398	5397	5428
5081	6	4782	5442	5445	4781
5082	6	5445	5442	5443	5446
5083	6	5446	5443	5444	5447
5084	6	5447	5444	5428	5429
5085	6	4781	5445	5448	4780
5086	6	5448	5445	5446	5449
5087	6	5449	5446	5447	5450
5088	6	5450	5447	5429	5430
5089	6	5453	5450	5430	5431
5090	6	4780	5448	5451	4779
5091	6	5451	5448	5449	5452
5092	6	5452	5449	5450	5453
5093	6	4779	5451	5454	4778
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5095	6	5455	5452	5453	5456
5096	6	5456	5453	5431	5432
5097	6	5456	5432	5433	5459
5098	6	4777	4778	5454	5457
5099	6	5457	5454	5455	5458
5100	6	5458	5455	5456	5459
5101	6	5462	5459	5433	5434
5102	6	4776	4777	5457	5460
5103	6	5460	5457	5458	5461
5104	6	5461	5458	5459	5462
5105	6	4775	4776	5460	5463
5106	6	5463	5460	5461	5464
5107	6	5464	5461	5462	5465
5108	6	5465	5462	5434	5435
5109	6	4775	5463	5466	4774
5110	6	5466	5463	5464	5467
5111	6	5467	5464	5465	5468
5112	6	5468	5465	5435	5436
5113	6	4774	5466	5469	4773
5114	6	5469	5466	5467	5470
5115	6	5470	5467	5468	5471
5116	6	5471	5468	5436	5437
5117	6	4772	4773	5469	5441
5118	6	5441	5469	5470	5440
5119	6	5440	5470	5471	5439
5120	6	5439	5471	5437	5438
5121	6	5495	5494	5441	5440
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5123	6	5496	5439	5438	5472
5124	6	5440	5439	5496	5495
5125	6	5496	5472	5473	5499
5126	6	4570	5494	5497	4569
5127	6	5497	5494	5495	5498
5128	6	5498	5495	5496	5499
5129	6	5502	5499	5473	5474
5130	6	4569	5497	5500	4568
5131	6	5500	5497	5498	5501
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5134	6	5503	5500	5501	5504
5135	6	5504	5501	5502	5505
5136	6	5505	5502	5474	5475
5137	6	4567	5503	5506	4566
5138	6	5506	5503	5504	5507
5139	6	5507	5504	5505	5508
5140	6	5508	5505	5475	5476
5141	6	5511	5508	5476	5477
5142	6	4566	5506	5509	4565
5143	6	5509	5506	5507	5510
5144	6	5510	5507	5508	5511
5145	6	4565	5509	5512	4564
5146	6	5512	5509	5510	5513
5147	6	5513	5510	5511	5514
5148	6	5514	5511	5477	5478
5149	6	4564	5512	5515	4563
5150	6	5515	5512	5513	5516
5151	6	5516	5513	5514	5517
5152	6	5517	5514	5478	5479
5153	6	4563	5515	5518	4562
5154	6	5518	5515	5516	5519
5155	6	5519	5516	5517	5520
5156	6	5520	5517	5479	5480
5157	6	4562	5518	5521	4561
5158	6	5521	5518	5519	5522
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5161	6	5526	5523	5481	5482
5162	6	4561	5521	5524	4560
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5166	6	5527	5524	5525	5528
5167	6	5528	5525	5526	5529
5168	6	5529	5526	5482	5483
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5172	6	5532	5529	5483	5484
5173	6	4558	5530	5533	4557
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5176	6	5535	5532	5484	5485
5177	6	4557	5533	5536	4556
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5182	6	5539	5536	5537	5540
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5186	6	5542	5539	5540	5543
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5189	6	4554	5542	5545	4553
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5191	6	5546	5543	5544	5547
5192	6	5547	5544	5488	5489
5193	6	4552	4553	5545	5493
5194	6	5546	5492	5493	5545
5195	6	5492	5546	5547	5491

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5197	6	4552	5493	5562	5176
5198	6	5563	5562	5493	5492
5199	6	5564	5563	5492	5491
5200	6	5564	5491	5490	5548
5201	6	5176	5562	5565	5177
5202	6	5565	5562	5563	5566
5203	6	5566	5563	5564	5567
5204	6	5567	5564	5548	5549
5205	6	5177	5565	5568	5178
5206	6	5568	5565	5566	5569
5207	6	5569	5566	5567	5570
5208	6	5567	5549	5550	5570
5209	6	5570	5550	5551	5573
5210	6	5178	5568	5571	5179
5211	6	5571	5568	5569	5572
5212	6	5572	5569	5570	5573
5213	6	5573	5551	5552	5576
5214	6	5179	5571	5574	5180
5215	6	5574	5571	5572	5575
5216	6	5575	5572	5573	5576
5217	6	5180	5574	5577	5181
5218	6	5577	5574	5575	5578
5219	6	5578	5575	5576	5579
5220	6	5579	5576	5552	5553
5221	6	5181	5577	5580	5182
5222	6	5580	5577	5578	5581
5223	6	5581	5578	5579	5582
5224	6	5582	5579	5553	5554
5225	6	5582	5554	5555	5585
5226	6	5183	5182	5580	5583
5227	6	5583	5580	5581	5584
5228	6	5584	5581	5582	5585
5229	6	5588	5585	5555	5556
5230	6	5184	5183	5583	5586
5231	6	5586	5583	5584	5587
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5233	6	5184	5586	5589	5185
5234	6	5589	5586	5587	5590
5235	6	5590	5587	5588	5591
5236	6	5591	5588	5556	5557
5237	6	5186	5185	5589	5561
5238	6	5561	5589	5590	5560
5239	6	5560	5590	5591	5559
5240	6	5559	5591	5557	5558
5241	6	4963	5592	5608	4962
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5246	6	4962	5608	5611	4961
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5263	6	5624	5621	5622	5625
5264	6	5625	5622	5600	5601
5265	6	4957	5623	5626	4956
5266	6	5626	5623	5624	5627
5267	6	5627	5624	5625	5628
5268	6	5628	5625	5601	5602
5269	6	4956	5626	5629	4955
5270	6	5629	5626	5627	5630
5271	6	5630	5627	5628	5631
5272	6	5631	5628	5602	5603
5273	6	5631	5603	5604	5605
5274	6	4955	5629	5607	4954
5275	6	5629	5630	5606	5607
5276	6	5630	5631	5605	5606
5277	6	4752	5632	5646	4751
5278	6	5632	5633	5647	5646
5279	6	5633	5634	5648	5647
5280	6	5648	5634	5635	5636
5281	6	4751	5646	5649	4750
5282	6	5649	5646	5647	5650
5283	6	5650	5647	5648	5651
5284	6	5651	5648	5636	5637
5285	6	5651	5637	5638	5654
5286	6	4750	5649	5652	4749
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5289	6	5657	5654	5638	5639
5290	6	4749	5652	5655	4748
5291	6	5655	5652	5653	5656
5292	6	5656	5653	5654	5657
5293	6	4748	5655	5658	4747
5294	6	5658	5655	5656	5659
5295	6	5659	5656	5657	5660
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5316	6	5675	5672	5644	5645
5317	6	5594	5675	5645	5595
5318	6	4963	4742	5673	5592
5319	6	5592	5673	5674	5593
5320	6	5593	5674	5675	5594
5321	6	5699	5698	5676	5677

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5323	6	5700	5699	5677	5678
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5325	6	4531	5698	5701	4530
5326	6	5701	5698	5699	5702
5327	6	5702	5699	5700	5703
5328	6	5703	5700	5680	5681
5329	6	5706	5703	5681	5682
5330	6	4530	5701	5704	4529
5331	6	5704	5701	5702	5705
5332	6	5705	5702	5703	5706
5333	6	4529	5704	5707	4528
5334	6	5707	5704	5705	5708
5335	6	5708	5705	5706	5709
5336	6	5709	5706	5682	5683
5337	6	4528	5707	5710	4527
5338	6	5710	5707	5708	5711
5339	6	5711	5708	5709	5712
5340	6	5712	5709	5683	5684
5341	6	4527	5710	5713	4526
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5343	6	5714	5711	5712	5715
5344	6	5715	5712	5684	5685
5345	6	4526	5713	5716	4525
5346	6	5716	5713	5714	5717
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5348	6	5718	5715	5685	5686
5349	6	4525	5716	5719	4524
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5357	6	5727	5724	5688	5689
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5365	6	4521	5728	5731	4520
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5372	6	5736	5733	5691	5692
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5377	6	4518	5737	5740	4517
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5380	6	5742	5739	5693	5694
5381	6	4517	5740	5743	4516
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5383	6	5744	5741	5742	5745
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5386	6	5746	5743	5744	5747
5387	6	5747	5744	5745	5748
5388	6	5748	5745	5695	5696
5389	6	5751	5748	5696	5697
5390	6	4515	5746	5749	4514
5391	6	5749	5746	5747	5750
5392	6	5750	5747	5748	5751
5393	6	5632	4752	4514	5749
5394	6	5632	5749	5750	5633
5395	6	5634	5633	5750	5751
5396	6	5634	5751	5697	5635
5397	6	5206	5752	5766	5207
5398	6	5752	5753	5767	5766
5399	6	5753	5754	5768	5767
5400	6	5756	5768	5754	5755
5401	6	5771	5768	5756	5757
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5406	6	5772	5769	5770	5773
5407	6	5773	5770	5771	5774
5408	6	5774	5771	5757	5758
5409	6	5209	5772	5775	5210
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5412	6	5777	5774	5758	5759
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5441	6	5842	5841	5561	5560
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5443	6	5843	5842	5560	5559
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5445	6	5832	5841	5844	5831
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5449	6	5849	5846	5834	5835
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5453	6	5830	5847	5850	5829
5454	6	5850	5847	5848	5851
5455	6	5851	5848	5849	5852
5456	6	5852	5849	5835	5836
5457	6	5829	5850	5853	5828
5458	6	5853	5850	5851	5854
5459	6	5854	5851	5852	5855
5460	6	5855	5852	5836	5837
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5469	6	5826	5859	5862	5825
5470	6	5862	5859	5860	5863
5471	6	5863	5860	5861	5864
5472	6	5864	5861	5839	5840
5473	6	5825	5862	5821	5820
5474	6	5862	5863	5822	5821
5475	6	5822	5863	5864	5823
5476	6	5823	5864	5840	5824
5477	6	5873	5801	5800	5865
5478	6	5874	5802	5801	5873
5479	6	5875	5803	5802	5874
5480	6	5876	5804	5803	5875
5481	6	5877	5805	5804	5876
5482	6	5878	5806	5805	5877
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5508	6	5884	5883	5902	5903
5509	6	5885	5884	5903	5904
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5512	6	5888	5887	5906	5907
5513	6	5889	5888	5907	5908
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5638	6	6007	6006	5205	5204
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5645	6	6014	6013	5198	5197
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5709	7	7937	7946	7915	7916
5710	7	7946	7945	7914	7915
5711	7	7936	7942	7946	7937
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5768	7	7987	7989	7877	7878
5769	7	7989	7797	7798	7877
5770	7	7988	7990	7989	7987
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5772	7	7980	7979	7990	7988
5773	7	7979	7795	7796	7990
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5775	7	7991	7992	7879	7880
5776	7	7992	7987	7878	7879
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5782	7	7992	7991	7993	7994
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5784	7	8013	8004	8005	8008
5785	7	7997	7998	8013	8012
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5788	7	8012	8014	7996	7997
5789	7	7908	8015	8011	7907
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5792	7	7995	7996	8014	8015
5793	7	8016	8018	7917	7916
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5877	7	8041	8063	8074	8042
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5890	7	8079	8080	8085	8102
5891	7	7865	8103	8105	7864
5892	7	7864	8105	8096	7863
5893	7	8097	8106	8104	8098
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5895	7	8094	8095	8106	8097
5896	7	8095	8096	8105	8106
5897	7	7867	8076	8107	7866
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5899	7	8099	8108	8077	8078
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5901	7	8098	8104	8108	8099
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5905	7	8094	8093	8114	8113
5906	7	8093	8088	8089	8114
5907	7	8110	8111	8115	8113
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5909	7	7862	8116	8112	7861
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5912	7	8096	8095	8115	8116
5913	7	8117	8119	7892	7893
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5915	7	8118	8120	8119	8117
5916	7	8120	8091	8092	8119
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5918	7	8109	8090	8091	8120
5919	7	7859	8121	7895	7858
5920	7	8121	8122	7894	7895
5921	7	8122	8117	7893	7894
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5955	7	8148	8147	8143	8144
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5960	7	8150	8152	8151	8149
5961	7	8152	7897	7896	8151
5962	7	8142	8141	8152	8150
5963	7	8141	7898	7897	8152
5964	7	8092	8153	7890	7891
5965	7	8153	8154	7889	7890
5966	7	8154	8149	7888	7889
5967	7	8090	8144	8155	8091
5968	7	8091	8155	8153	8092
5969	7	8150	8156	8143	8142
5970	7	8156	8155	8144	8143
5971	7	8149	8154	8156	8150
5972	7	8154	8153	8155	8156
5973	7	8174	8175	8170	8171
5974	7	8175	8166	8167	8170
5975	7	8159	8160	8175	8174
5976	7	8160	8161	8166	8175
5977	7	8171	8172	8176	8174
5978	7	8174	8176	8158	8159
5979	7	7871	8177	8173	7870
5980	7	8177	8176	8172	8173
5981	7	7872	8157	8177	7871
5982	7	8157	8158	8176	8177
5983	7	8178	8180	8079	8078
5984	7	8180	8169	8080	8079
5985	7	8179	8181	8180	8178
5986	7	8181	8168	8169	8180
5987	7	8171	8170	8181	8179
5988	7	8170	8167	8168	8181
5989	7	7868	8182	8076	7867
5990	7	8182	8183	8077	8076
5991	7	8183	8178	8078	8077
5992	7	7870	8173	8184	7869
5993	7	7869	8184	8182	7868
5994	7	8179	8185	8172	8171
5995	7	8185	8184	8173	8172
5996	7	8178	8183	8185	8179
5997	7	8183	8182	8184	8185
5998	7	8190	8191	8186	8187
5999	7	8191	7908	7907	8186
6000	7	8164	8165	8191	8190
6001	7	8165	7909	7908	8191
6002	7	8187	8188	8192	8190
6003	7	8190	8192	8163	8164
6004	7	8166	8193	8189	8167
6005	7	8193	8192	8188	8189
6006	7	8161	8162	8193	8166
6007	7	8162	8163	8192	8193
6008	7	8194	8196	8084	8083
6009	7	8196	7905	7904	8084
6010	7	8195	8197	8196	8194
6011	7	8197	7906	7905	8196
6012	7	8187	8186	8197	8195
6013	7	8186	7907	7906	8197
6014	7	8169	8198	8081	8080

				without	springback
6015	7	8198	8199	8082	8081
6016	7	8199	8194	8083	8082
6017	7	8167	8189	8200	8168
6018	7	8168	8200	8198	8169
6019	7	8195	8201	8188	8187
6020	7	8201	8200	8189	8188
6021	7	8194	8199	8201	8195
6022	7	8199	8198	8200	8201
6023	7	8210	8211	8206	8207
6024	7	8211	8202	8203	8206
6025	7	7762	7763	8211	8210
6026	7	7763	7764	8202	8211
6027	7	8207	8208	8212	8210
6028	7	8210	8212	7761	7762
6029	7	7876	8213	8209	7875
6030	7	8213	8212	8208	8209
6031	7	7759	7760	8213	7876
6032	7	7760	7761	8212	8213
6033	7	8214	8216	8160	8159
6034	7	8216	8205	8161	8160
6035	7	8215	8217	8216	8214
6036	7	8217	8204	8205	8216
6037	7	8207	8206	8217	8215
6038	7	8206	8203	8204	8217
6039	7	7873	8218	8157	7872
6040	7	8218	8219	8158	8157
6041	7	8219	8214	8159	8158
6042	7	7875	8209	8220	7874
6043	7	7874	8220	8218	7873
6044	7	8215	8221	8208	8207
6045	7	8221	8220	8209	8208
6046	7	8214	8219	8221	8215
6047	7	8219	8218	8220	8221
6048	7	8226	8227	8222	8223
6049	7	8227	7913	7912	8222
6050	7	7767	7768	8227	8226
6051	7	7768	7769	7913	8227
6052	7	8223	8224	8228	8226
6053	7	8226	8228	7766	7767
6054	7	8202	8229	8225	8203
6055	7	8229	8228	8224	8225
6056	7	7764	7765	8229	8202
6057	7	7765	7766	8228	8229
6058	7	8230	8232	8165	8164
6059	7	8232	7910	7909	8165
6060	7	8231	8233	8232	8230
6061	7	8233	7911	7910	8232
6062	7	8223	8222	8233	8231
6063	7	8222	7912	7911	8233
6064	7	8205	8234	8162	8161
6065	7	8234	8235	8163	8162
6066	7	8235	8230	8164	8163
6067	7	8203	8225	8236	8204
6068	7	8204	8236	8234	8205
6069	7	8231	8237	8224	8223
6070	7	8237	8236	8225	8224
6071	7	8230	8235	8237	8231
6072	7	8235	8234	8236	8237
6073	7	8283	8284	8279	8280
6074	7	8284	8275	8276	8279
6075	7	8268	8269	8284	8283
6076	7	8269	8270	8275	8284
6077	7	8280	8281	8285	8283

				without	springback
6078	7	8283	8285	8267	8268
6079	7	8260	8286	8282	8259
6080	7	8286	8285	8281	8282
6081	7	8261	8266	8286	8260
6082	7	8266	8267	8285	8286
6083	7	8287	8289	8243	8244
6084	7	8289	8278	8242	8243
6085	7	8288	8290	8289	8287
6086	7	8290	8277	8278	8289
6087	7	8280	8279	8290	8288
6088	7	8279	8276	8277	8290
6089	7	8257	8291	8246	8247
6090	7	8291	8292	8245	8246
6091	7	8292	8287	8244	8245
6092	7	8259	8282	8293	8258
6093	7	8258	8293	8291	8257
6094	7	8288	8294	8281	8280
6095	7	8294	8293	8282	8281
6096	7	8287	8292	8294	8288
6097	7	8292	8291	8293	8294
6098	7	8299	8300	8295	8296
6099	7	8300	7804	7805	8295
6100	7	8273	8274	8300	8299
6101	7	8274	7803	7804	8300
6102	7	8296	8297	8301	8299
6103	7	8299	8301	8272	8273
6104	7	8275	8302	8298	8276
6105	7	8302	8301	8297	8298
6106	7	8270	8271	8302	8275
6107	7	8271	8272	8301	8302
6108	7	8303	8305	8238	8239
6109	7	8305	7807	7808	8238
6110	7	8304	8306	8305	8303
6111	7	8306	7806	7807	8305
6112	7	8296	8295	8306	8304
6113	7	8295	7805	7806	8306
6114	7	8278	8307	8241	8242
6115	7	8307	8308	8240	8241
6116	7	8308	8303	8239	8240
6117	7	8276	8298	8309	8277
6118	7	8277	8309	8307	8278
6119	7	8304	8310	8297	8296
6120	7	8310	8309	8298	8297
6121	7	8303	8308	8310	8304
6122	7	8308	8307	8309	8310
6123	7	8319	8320	8315	8316
6124	7	8320	8311	8312	8315
6125	7	7883	7882	8320	8319
6126	7	7882	7881	8311	8320
6127	7	8316	8317	8321	8319
6128	7	8319	8321	7884	7883
6129	7	8265	8322	8318	8264
6130	7	8322	8321	8317	8318
6131	7	7886	7885	8322	8265
6132	7	7885	7884	8321	8322
6133	7	8323	8325	8269	8268
6134	7	8325	8314	8270	8269
6135	7	8324	8326	8325	8323
6136	7	8326	8313	8314	8325
6137	7	8316	8315	8326	8324
6138	7	8315	8312	8313	8326
6139	7	8262	8327	8266	8261
6140	7	8327	8328	8267	8266

				without	springback
6141	7	8328	8323	8268	8267
6142	7	8264	8318	8329	8263
6143	7	8263	8329	8327	8262
6144	7	8324	8330	8317	8316
6145	7	8330	8329	8318	8317
6146	7	8323	8328	8330	8324
6147	7	8328	8327	8329	8330
6148	7	8335	8336	8331	8332
6149	7	8336	7799	7800	8331
6150	7	7878	7877	8336	8335
6151	7	7877	7798	7799	8336
6152	7	8332	8333	8337	8335
6153	7	8335	8337	7879	7878
6154	7	8311	8338	8334	8312
6155	7	8338	8337	8333	8334
6156	7	7881	7880	8338	8311
6157	7	7880	7879	8337	8338
6158	7	8339	8341	8274	8273
6159	7	8341	7802	7803	8274
6160	7	8340	8342	8341	8339
6161	7	8342	7801	7802	8341
6162	7	8332	8331	8342	8340
6163	7	8331	7800	7801	8342
6164	7	8314	8343	8271	8270
6165	7	8343	8344	8272	8271
6166	7	8344	8339	8273	8272
6167	7	8312	8334	8345	8313
6168	7	8313	8345	8343	8314
6169	7	8340	8346	8333	8332
6170	7	8346	8345	8334	8333
6171	7	8339	8344	8346	8340
6172	7	8344	8343	8345	8346
6173	7	8364	8365	8360	8361
6174	7	8365	8356	8357	8360
6175	7	8349	8350	8365	8364
6176	7	8350	8351	8356	8365
6177	7	8361	8362	8366	8364
6178	7	8364	8366	8348	8349
6179	7	7852	8367	8363	7851
6180	7	8367	8366	8362	8363
6181	7	7853	8347	8367	7852
6182	7	8347	8348	8366	8367
6183	7	8368	8370	8253	8254
6184	7	8370	8359	8252	8253
6185	7	8369	8371	8370	8368
6186	7	8371	8358	8359	8370
6187	7	8361	8360	8371	8369
6188	7	8360	8357	8358	8371
6189	7	7849	8372	8256	7848
6190	7	8372	8373	8255	8256
6191	7	8373	8368	8254	8255
6192	7	7851	8363	8374	7850
6193	7	7850	8374	8372	7849
6194	7	8369	8375	8362	8361
6195	7	8375	8374	8363	8362
6196	7	8368	8373	8375	8369
6197	7	8373	8372	8374	8375
6198	7	8380	8381	8376	8377
6199	7	8381	8260	8259	8376
6200	7	8354	8355	8381	8380
6201	7	8355	8261	8260	8381
6202	7	8377	8378	8382	8380
6203	7	8380	8382	8353	8354

				without	springback
6204	7	8356	8383	8379	8357
6205	7	8383	8382	8378	8379
6206	7	8351	8352	8383	8356
6207	7	8352	8353	8382	8383
6208	7	8384	8386	8248	8249
6209	7	8386	8257	8247	8248
6210	7	8385	8387	8386	8384
6211	7	8387	8258	8257	8386
6212	7	8377	8376	8387	8385
6213	7	8376	8259	8258	8387
6214	7	8359	8388	8251	8252
6215	7	8388	8389	8250	8251
6216	7	8389	8384	8249	8250
6217	7	8357	8379	8390	8358
6218	7	8358	8390	8388	8359
6219	7	8385	8391	8378	8377
6220	7	8391	8390	8379	8378
6221	7	8384	8389	8391	8385
6222	7	8389	8388	8390	8391
6223	7	8400	8401	8396	8397
6224	7	8401	8392	8393	8396
6225	7	7893	7892	8401	8400
6226	7	7892	7891	8392	8401
6227	7	8397	8398	8402	8400
6228	7	8400	8402	7894	7893
6229	7	7857	8403	8399	7856
6230	7	8403	8402	8398	8399
6231	7	7858	7895	8403	7857
6232	7	7895	7894	8402	8403
6233	7	8404	8406	8350	8349
6234	7	8406	8395	8351	8350
6235	7	8405	8407	8406	8404
6236	7	8407	8394	8395	8406
6237	7	8397	8396	8407	8405
6238	7	8396	8393	8394	8407
6239	7	7854	8408	8347	7853
6240	7	8408	8409	8348	8347
6241	7	8409	8404	8349	8348
6242	7	7856	8399	8410	7855
6243	7	7855	8410	8408	7854
6244	7	8405	8411	8398	8397
6245	7	8411	8410	8399	8398
6246	7	8404	8409	8411	8405
6247	7	8409	8408	8410	8411
6248	7	8416	8417	8412	8413
6249	7	8417	8265	8264	8412
6250	7	7888	7887	8417	8416
6251	7	7887	7886	8265	8417
6252	7	8413	8414	8418	8416
6253	7	8416	8418	7889	7888
6254	7	8392	8419	8415	8393
6255	7	8419	8418	8414	8415
6256	7	7891	7890	8419	8392
6257	7	7890	7889	8418	8419
6258	7	8420	8422	8355	8354
6259	7	8422	8262	8261	8355
6260	7	8421	8423	8422	8420
6261	7	8423	8263	8262	8422
6262	7	8413	8412	8423	8421
6263	7	8412	8264	8263	8423
6264	7	8395	8424	8352	8351
6265	7	8424	8425	8353	8352
6266	7	8425	8420	8354	8353

				without	springback
6267	7	8393	8415	8426	8394
6268	7	8394	8426	8424	8395
6269	7	8421	8427	8414	8413
6270	7	8427	8426	8415	8414
6271	7	8420	8425	8427	8421
6272	7	8425	8424	8426	8427
6273	7	8454	8455	8450	8451
6274	7	8455	8446	8447	8450
6275	7	8439	8440	8455	8454
6276	7	8440	8441	8446	8455
6277	7	8451	8452	8456	8454
6278	7	8454	8456	8438	8439
6279	7	8431	8457	8453	8430
6280	7	8457	8456	8452	8453
6281	7	8432	8437	8457	8431
6282	7	8437	8438	8456	8457
6283	7	8458	8460	7824	7825
6284	7	8460	8449	7823	7824
6285	7	8459	8461	8460	8458
6286	7	8461	8448	8449	8460
6287	7	8451	8450	8461	8459
6288	7	8450	8447	8448	8461
6289	7	8428	8462	7827	7828
6290	7	8462	8463	7826	7827
6291	7	8463	8458	7825	7826
6292	7	8430	8453	8464	8429
6293	7	8429	8464	8462	8428
6294	7	8459	8465	8452	8451
6295	7	8465	8464	8453	8452
6296	7	8458	8463	8465	8459
6297	7	8463	8462	8464	8465
6298	7	8470	8471	8466	8467
6299	7	8471	7814	7815	8466
6300	7	8444	8445	8471	8470
6301	7	8445	7813	7814	8471
6302	7	8467	8468	8472	8470
6303	7	8470	8472	8443	8444
6304	7	8446	8473	8469	8447
6305	7	8473	8472	8468	8469
6306	7	8441	8442	8473	8446
6307	7	8442	8443	8472	8473
6308	7	8474	8476	7819	7820
6309	7	8476	7817	7818	7819
6310	7	8475	8477	8476	8474
6311	7	8477	7816	7817	8476
6312	7	8467	8466	8477	8475
6313	7	8466	7815	7816	8477
6314	7	8449	8478	7822	7823
6315	7	8478	8479	7821	7822
6316	7	8479	8474	7820	7821
6317	7	8447	8469	8480	8448
6318	7	8448	8480	8478	8449
6319	7	8475	8481	8468	8467
6320	7	8481	8480	8469	8468
6321	7	8474	8479	8481	8475
6322	7	8479	8478	8480	8481
6323	7	8490	8491	8486	8487
6324	7	8491	8482	8483	8486
6325	7	8244	8243	8491	8490
6326	7	8243	8242	8482	8491
6327	7	8487	8488	8492	8490
6328	7	8490	8492	8245	8244
6329	7	8436	8493	8489	8435

				without	springback
6330	7	8493	8492	8488	8489
6331	7	8247	8246	8493	8436
6332	7	8246	8245	8492	8493
6333	7	8494	8496	8440	8439
6334	7	8496	8485	8441	8440
6335	7	8495	8497	8496	8494
6336	7	8497	8484	8485	8496
6337	7	8487	8486	8497	8495
6338	7	8486	8483	8484	8497
6339	7	8433	8498	8437	8432
6340	7	8498	8499	8438	8437
6341	7	8499	8494	8439	8438
6342	7	8435	8489	8500	8434
6343	7	8434	8500	8498	8433
6344	7	8495	8501	8488	8487
6345	7	8501	8500	8489	8488
6346	7	8494	8499	8501	8495
6347	7	8499	8498	8500	8501
6348	7	8506	8507	8502	8503
6349	7	8507	7809	7810	8502
6350	7	8239	8238	8507	8506
6351	7	8238	7808	7809	8507
6352	7	8503	8504	8508	8506
6353	7	8506	8508	8240	8239
6354	7	8482	8509	8505	8483
6355	7	8509	8508	8504	8505
6356	7	8242	8241	8509	8482
6357	7	8241	8240	8508	8509
6358	7	8510	8512	8445	8444
6359	7	8512	7812	7813	8445
6360	7	8511	8513	8512	8510
6361	7	8513	7811	7812	8512
6362	7	8503	8502	8513	8511
6363	7	8502	7810	7811	8513
6364	7	8485	8514	8442	8441
6365	7	8514	8515	8443	8442
6366	7	8515	8510	8444	8443
6367	7	8483	8505	8516	8484
6368	7	8484	8516	8514	8485
6369	7	8511	8517	8504	8503
6370	7	8517	8516	8505	8504
6371	7	8510	8515	8517	8511
6372	7	8515	8514	8516	8517
6373	7	8535	8536	8531	8532
6374	7	8536	8527	8528	8531
6375	7	8520	8521	8536	8535
6376	7	8521	8522	8527	8536
6377	7	8532	8533	8537	8535
6378	7	8535	8537	8519	8520
6379	7	7842	8538	8534	7841
6380	7	8538	8537	8533	8534
6381	7	7843	8518	8538	7842
6382	7	8518	8519	8537	8538
6383	7	8539	8541	7834	7835
6384	7	8541	8530	7833	7834
6385	7	8540	8542	8541	8539
6386	7	8542	8529	8530	8541
6387	7	8532	8531	8542	8540
6388	7	8531	8528	8529	8542
6389	7	7839	8543	7837	7838
6390	7	8543	8544	7836	7837
6391	7	8544	8539	7835	7836
6392	7	7841	8534	8545	7840

				without	springback
6393	7	7840	8545	8543	7839
6394	7	8540	8546	8533	8532
6395	7	8546	8545	8534	8533
6396	7	8539	8544	8546	8540
6397	7	8544	8543	8545	8546
6398	7	8551	8552	8547	8548
6399	7	8552	8431	8430	8547
6400	7	8525	8526	8552	8551
6401	7	8526	8432	8431	8552
6402	7	8548	8549	8553	8551
6403	7	8551	8553	8524	8525
6404	7	8527	8554	8550	8528
6405	7	8554	8553	8549	8550
6406	7	8522	8523	8554	8527
6407	7	8523	8524	8553	8554
6408	7	8555	8557	7829	7830
6409	7	8557	8428	7828	7829
6410	7	8556	8558	8557	8555
6411	7	8558	8429	8428	8557
6412	7	8548	8547	8558	8556
6413	7	8547	8430	8429	8558
6414	7	8530	8559	7832	7833
6415	7	8559	8560	7831	7832
6416	7	8560	8555	7830	7831
6417	7	8528	8550	8561	8529
6418	7	8529	8561	8559	8530
6419	7	8556	8562	8549	8548
6420	7	8562	8561	8550	8549
6421	7	8555	8560	8562	8556
6422	7	8560	8559	8561	8562
6423	7	8571	8572	8567	8568
6424	7	8572	8563	8564	8567
6425	7	8254	8253	8572	8571
6426	7	8253	8252	8563	8572
6427	7	8568	8569	8573	8571
6428	7	8571	8573	8255	8254
6429	7	7847	8574	8570	7846
6430	7	8574	8573	8569	8570
6431	7	7848	8256	8574	7847
6432	7	8256	8255	8573	8574
6433	7	8575	8577	8521	8520
6434	7	8577	8566	8522	8521
6435	7	8576	8578	8577	8575
6436	7	8578	8565	8566	8577
6437	7	8568	8567	8578	8576
6438	7	8567	8564	8565	8578
6439	7	7844	8579	8518	7843
6440	7	8579	8580	8519	8518
6441	7	8580	8575	8520	8519
6442	7	7846	8570	8581	7845
6443	7	7845	8581	8579	7844
6444	7	8576	8582	8569	8568
6445	7	8582	8581	8570	8569
6446	7	8575	8580	8582	8576
6447	7	8580	8579	8581	8582
6448	7	8587	8588	8583	8584
6449	7	8588	8436	8435	8583
6450	7	8249	8248	8588	8587
6451	7	8248	8247	8436	8588
6452	7	8584	8585	8589	8587
6453	7	8587	8589	8250	8249
6454	7	8563	8590	8586	8564
6455	7	8590	8589	8585	8586

				without	springback
6456	7	8252	8251	8590	8563
6457	7	8251	8250	8589	8590
6458	7	8591	8593	8526	8525
6459	7	8593	8433	8432	8526
6460	7	8592	8594	8593	8591
6461	7	8594	8434	8433	8593
6462	7	8584	8583	8594	8592
6463	7	8583	8435	8434	8594
6464	7	8566	8595	8523	8522
6465	7	8595	8596	8524	8523
6466	7	8596	8591	8525	8524
6467	7	8564	8586	8597	8565
6468	7	8565	8597	8595	8566
6469	7	8592	8598	8585	8584
6470	7	8598	8597	8586	8585
6471	7	8591	8596	8598	8592
6472	7	8596	8595	8597	8598

*END