BASE INPUTS

FBS_WIN	3.000
HOME_MULTIPLIER	0.450
FCS_MULTIPLIER	0.200

RESULT MULTIPLIERS

AWAY	0.50
NEUTRAL	0.50
TIE	0.50
LOSS	0.00

FBS_RESULT_MULTIPLIERS

WIN	0.45	
TIE	0.23	
LOSS	0.50	
WIN	0.45	
TIE	0.24	
LOSS	0.45	
WIN	0.50	
TIE	0.25	
LOSS	0.50	

FCS_RESULT_MULTIPLIERS

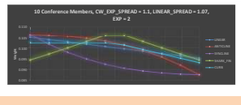
WIN	0.200	
TIE	0.100	
LOSS	0.000	
WIN	0.200	
TIE	0.100	
LOSS	0.450	
WIN	0.100	
TIE	0.050	
LOSS	0.500	

WEIGHTING INPUTS

CONFERENCE WEIGHTING

Average Type: ARITHMETIC

Conference Weight Shape: ANTICLINE
Exponential Speed: 1.1
Exponent: 2
Linear Spread: 1.07



BOWL WEIGHTING INPUTS

Bowl Season Weighting: VARIABLE
Variable Weight Format: RANGED

NOTES: Bowl Season Weighting can either be a fixed percentage of the season or variable percentage based on defined inputs. A fixed percentage will include the regular season and bowl celebration fixed percentage. Variable weighting has three options: MULTIPLE, RANGED AND COMPOSITION.

FIXED

Weighting Multiplier(FIXED): 0.30

NOTES: The fixed Multiplier will create a fixed percentage between the Regular Season and Bowl Season.
Example: A value of 1 or 100% will make the Regular Season and Bowl Season equal in length.
Advantages: Simple, straightforward, and makes the multipliers for each bowl game predictable, regardless of the number of regular season games.
Disadvantages: Differences in the number of regular season games causes unequal weighting and in the event of uncalculated games this is exacerbated.
Additional Considerations: The intent of using this multiplier is the consistent bowl season manipulation. The resulting imbalance in the regular season can be addressed elsewhere.

MULTIPLE

Weighting Multiplier(MULTIPLE): 1
Punish For Not Making Bowl(MULTIPLE): NO
Punishment Type(MULTIPLE): LOW_RISK

NOTES: The MULTIPLE option treats the Regular Season as the weighted proportion and Bowl Season as a fixed or highly variable item.
Example: A value of 1 for BW_FWG_1 for the P_F_W_OR_R_Neutral-Home-W_LOW_ON-Home BW_F_F_LR_W_ results in an 75/100 split for the Regular Season and Bowl Season, with a loss to the number 5 team on a neutral field in the regular season and a home bowl game.
Advantages: Teams with different regular season games aren't punished in different ways for losing to a roughly equivalent opponent.
Disadvantages: Teams that run in to scheduling anomalies such as natural disasters could lose games. A BW_VAR_R(7 of 1.2) and a BW_VAR_R(7 of 1.4) results in a weight of 28.571% and 25.926% respectively. Teams in the regular season that are expected to be emerging is worth more than a game against teams expected to be in the bottom half of the regular season.
Additional Considerations: Bowl weights are no longer consistent across schedules. For example, winning the National Championship is different based on the number of regular season games.

BW_VAR_R	1_BOWL_GAME P_F_AW	1_BOWL_GAME P_F_NBOWL	2_BOWL_GAMES P_F_AW	2_BOWL_GAMES P_F_NBOWL
0.5	14.286%	28.571%	25.000%	50.000%
1	25.000%	75.000%	40.000%	60.000%
1.5	33.333%	83.333%	50.000%	66.667%
2	37.500%	87.500%	54.545%	72.727%

ZERO

Additional Regular Season Weighting(MULTIPLE(ZERO)): 0.25

BW_VAR_R	1_BOWL_GAME P_F_AW	1_BOWL_GAME P_F_NBOWL	2_BOWL_GAMES P_F_AW	2_BOWL_GAMES P_F_NBOWL
0.5	6.250%	81.250%	10.000%	70.000%
1	8.000%	85.000%	8.333%	75.000%
1.5	9.091%	87.500%	7.143%	78.571%
2	9.375%	87.500%	6.667%	80.000%

LOW_RISK

Opponent Rank Equivalent(MULTIPLE(LOW_RISK): 2
Location Equivalent(MULTIPLE(LOW_RISK): Neutral
Additional Regular Season Weighting(MULTIPLE(LOW_RISK): 0.5
No Bowl - Result Coefficient(MULTIPLE(LOW_RISK): -0.25245

BW_VAR_R	1_BOWL_GAME P_F_AW	1_BOWL_GAME P_F_NBOWL	2_BOWL_GAMES P_F_AW	2_BOWL_GAMES P_F_NBOWL
0.5	12.500%	87.500%	20.000%	80.000%
1	13.000%	90.000%	16.667%	83.333%
1.5	14.286%	92.857%	14.286%	85.714%
2	14.583%	93.750%	12.500%	87.500%

Additional Regular Season Weighting(MULTIPLE): 50.0%

BW_VAR_R BOW	BW_VAR_R P_AW	BW_VAR_R NBOW	BW_VAR_R NBOW_OB	CHECK
50.000%	33.333%	100.000%	100.000%	
60.000%	42.857%	100.000%	100.000%	
75.000%	60.000%	100.000%	100.000%	
80.000%	66.667%	100.000%	100.000%	
85.333%	71.429%	100.000%	100.000%	
85.714%	75.000%	100.000%	100.000%	
87.500%	77.778%	100.000%	100.000%	
88.889%	80.000%	100.000%	100.000%	
90.000%	81.818%	100.000%	100.000%	

RANGED

3 Game Schedule Multiplier(RANGED): 1.3950
4 Game Schedule Multiplier(RANGED): 1.820
Punish For Not Making Bowl(RANGED): NO
Punishment Type(RANGED): LOW_RISK

NOTES: The ranged weighting sets a multiple for a 3 game schedule and a 4 game schedule. Schedules below 3 and above 4 are pegged to those respective schedules.
Example: A BW_VAR_R_SG_MULT of 1.2 and a BW_VAR_R_4G_MULT of 1.4 results in a weight of 26.571% and 24.286% respectively.
Advantages: A consistent or linear and multiplicative relationship.
Disadvantages: A consistent or linear and multiplicative relationship.
Additional Considerations: The issues with both FIXED and MULTIPLE can be alleviated or exacerbated, and a balance might seem entirely, but it's hard to quantify with additional variables.

BW_VAR_R	3_BOWL_GAME P_F_AW	3_BOWL_GAME P_F_NBOWL	4_BOWL_GAMES P_F_AW	4_BOWL_GAMES P_F_NBOWL
0.5	31.746%	68.254%	48.107%	51.913%
1.0100	28.690%	71.301%	44.558%	55.422%
1.5100	26.165%	73.643%	39.173%	60.827%
2	24.103%	75.515%	34.515%	65.485%

ZERO

Additional Regular Season Weighting(RANGED(ZERO): 0.75

BW_VAR_R MULT	3_BOWL_GAME P_F_AW	3_BOWL_GAME P_F_NBOWL	4_BOWL_GAMES P_F_AW	4_BOWL_GAMES P_F_NBOWL
0.5	19.444%	80.556%	29.167%	70.833%
1.395	21.826%	92.065%	36.340%	87.953%
1.61	21.528%	92.825%	31.493%	88.950%
2	19.167%	93.333%	25.300%	90.400%

LOW_RISK

Opponent Rank Equivalent(RANGED(LOW_RISK): 60
Location Equivalent(RANGED(LOW_RISK): Neutral
Additional Regular Season Weighting(RANGED(LOW_RISK): 0.45
No Bowl - Result Coefficient(RANGED(LOW_RISK): -0.06613

BW_VAR_R MULT	3_BOWL_GAME P_F_AW	3_BOWL_GAME P_F_NBOWL	4_BOWL_GAMES P_F_AW	4_BOWL_GAMES P_F_NBOWL
0.5	14.286%	85.714%	20.000%	80.000%
1.395	14.283%	92.543%	21.484%	71.407%
1.61	12.514%	93.125%	20.000%	76.471%
2	10.000%	93.333%	20.000%	80.000%

Additional Regular Season Weighting(MULTIPLE): 45.0%

BW_VAR_R BOW	BW_VAR_R P_AW	BW_VAR_R NBOW	BW_VAR_R NBOW_OB	CHECK
41.754%	26.385%	100.000%	100.000%	
55.000%	35.000%	100.000%	100.000%	
68.259%	51.813%	100.000%	100.000%	
71.381%	55.402%	100.000%	100.000%	
74.000%	58.571%	100.000%	100.000%	
76.944%	62.036%	100.000%	100.000%	
81.381%	68.493%	100.000%	100.000%	
83.347%	71.393%	100.000%	100.000%	
84.826%	73.630%	100.000%	100.000%	

COMPOSITION

NOTES
Weighting Type(COMPOSITION): RANGED
The Composition weights the Season as a function of the regular season scheduling composition.

MULTIPLE

NOTES
Weighting Multiplier(COMPOSITION(MULTIPLE): 1.4
P5 Weighting(COMPOSITION(MULTIPLE): 1
G5 Weighting(COMPOSITION(MULTIPLE): 1
FBS Weighting(COMPOSITION(MULTIPLE): 1
Punish For Not Making Bowl(COMPOSITION(MULTIPLE): YES
Punishment Type(COMPOSITION(MULTIPLE): ZERO

ZERO

NOTES
Additional Regular Season Weighting(COMPOSITION(MULTIPLE(ZERO): 0.50

LOW_RISK

NOTES
Opponent Rank Equivalent(COMPOSITION(MULTIPLE(LOW_RISK): 25
Location Equivalent(COMPOSITION(MULTIPLE(LOW_RISK): Away
Additional Regular Season Weighting(COMPOSITION(MULTIPLE(LOW_RISK): 0
No Bowl - Result Coefficient(COMPOSITION(MULTIPLE(LOW_RISK): -0.26245

RANGED

NOTES
3 Game Schedule Multiplier(COMPOSITION(RANGED): 1.3
4 Game Schedule Multiplier(COMPOSITION(RANGED): 1.465
P5 Weighting(COMPOSITION(RANGED): 1.05
G5 Weighting(COMPOSITION(RANGED): 1
FBS Weighting(COMPOSITION(RANGED): 0.95
Punish For Not Making Bowl(COMPOSITION(RANGED): YES
Punishment Type(COMPOSITION(RANGED): LOW_RISK

ZERO

NOTES
Additional Regular Season Weighting(COMPOSITION(RANGED(ZERO): 0.75

LOW_RISK

NOTES
Opponent Rank Equivalent(COMPOSITION(RANGED(LOW_RISK): 25
Location Equivalent(COMPOSITION(RANGED(LOW_RISK): Away
Additional Regular Season Weighting(COMPOSITION(RANGED(LOW_RISK): 0.5
No Bowl - Result Coefficient(COMPOSITION(RANGED(LOW_RISK): -0.26245

NOTES
Additional Regular Season Weighting(COMPOSITION(RANGED(LOW_RISK): 75.0%
3 Game Schedule Multiplier(COMPOSITION(RANGED(LOW_RISK): 1.3
4 Game Schedule Multiplier(COMPOSITION(RANGED(LOW_RISK): 1.465
P5 Weighting(COMPOSITION(RANGED(LOW_RISK): 1.05
G5 Weighting(COMPOSITION(RANGED(LOW_RISK): 1
FBS Weighting(COMPOSITION(RANGED(LOW_RISK): 0.95

BONUS WEIGHTS

Raw Score Weight: 50%

NOTES: The Weight of the Result Coefficient.

Rankings Bonus Weight: 85
Scheduling Bonus Weight: 0
Player Rating Bonus Weight: 3

NOTES: Ranking Bonus is important and can act as an extra incentive to rank teams correctly. The lower teams are ranked, the higher their coefficient will be. A ranking bonus will counteract this effect.

RANKINGS

Final Standing Bonus Weight: 0.9
Top 25 Bonus Weight: 0.1

NOTES: The top 25 will do the same thing as Final Standing, but with a plateau effect if so desired.

FINAL STANDING

Final Standing Bonus Type: STANDARD
Final Standing Bonus Coefficient(+): 10
Final Standing Bonus Constant(+): 0
Final Standing Bonus Exponent(+): 1
Final Standing Bonus Constant(-): 0

NOTES: Standard, Fixed, Final Standing Coefficient remains unchanged. If set to function, the coefficient will be manipulated by the corresponding variables through the given formula.

FORMULA: $f(x) = a(x + b)^n + c$

Notes:

TOP 25 BONUS

NOTES

PEGGED: T25_BONUS_TYPE

National Champion Bonus:	47	NC_BONUS
Top 1 Bonus:	35	T1_BONUS
Top 10 Bonus:	30	T10_BONUS
Top 25 Bonus:	26	T25_BONUS
Top 50 Bonus:	16	T50_BONUS
Top 75 Bonus:	10	T75_BONUS
Top 100 Bonus:	5	T100_BONUS
Top 150 Bonus:	2	T150_BONUS
	181	BONUS_SUM

SCHEDULE INPUTS

Strength of Scheduling Weight: 0.5
Scheduling Bonus Weight: 0.5

NOTES: SOS_B

SOS

Strength of Scheduling Bowl Season Weighting: MULTIPLE

NOTES: SOS_BW_TYPE

FIXED

Weighting Multiplier(SOS): 0.30

NOTES: The Fixed Multiplier will create a fixed percentage between the Regular Season and Bowl Season.

MULTIPLE

Weighting Multiplier(SOS(MULTIPLE): 1.48500

NOTES: SOS_MULT
The Multiple weighting treats each bowl game as a multiple of a regular season game.

RANGED

3 ame Schedule Multiplier(SOS(RANGED): 1.3950
4 ame Schedule Multiplier(SOS(RANGED): 1.8425

NOTES: SOS_RNG_SG, SOS_RNG_4G
The Multiple weighting treats each bowl game as a multiple of a regular season game.

SCHEDULING

4	P5 Weighting(SCHEDULING):	75
5	G5 Weighting(SCHEDULING):	50
5	FBS Weighting(SCHEDULING):	25
		175

NOTES: P5_BONUS, G5_BONUS, FCS_BONUS, FBS_BONUS, SUM

PLAYER

All-American Bonus Weighting:	0.5000
National Award Bonus Weighting:	0.2000

NOTES: ALL_A, NAT_A

FINAL_BONUS_WEIGHT_ARRAY

BASE	P5	G5	FCS	AA
0.9	0.0765	0.0500	0.0225	0.0625

FINAL RANKINGS

Computer Average Weighting: 0.6
Human Average Weighting: 0.4

	VARIABLE_NAME
1	POLL_CW
2	POLL_PW

COMPUTER

			VARIABLE_NAME
FPI	20	0.2	POLL_FW_FPI
MASSEY	41	0.41	POLL_FW_MASSEY
COLLEY_MATRIX	39	0.39	POLL_FW_COLLEY
	100	1	

HUMAN

			VARIABLE_NAME
AP POLL	0.5	0.5	POLL_FW_AP
COACHES	0.5	0.5	POLL_FW_COACHES

FBS_RANK_FINAL_VAL	FBS_CORE	FCS_FINAL_RANK_VAL	FCS_CORE
FBS_RANK VALUE		FCS_RANK VALUE	= EXN(-RE/ 4)*(1-RE/4)
1 0.9999999		1 0.9999999	0.7407408
2 0.9798876	0.8708876	2 0.9898539	0.9195356
3 0.9597753	0.8417753	3 0.9797078	0.9391416
4 0.9396630	0.8126630	4 0.9695618	0.9488256
5 0.9195506	0.7835506	5 0.9594157	0.9542469
6 0.8994383	0.7544383	6 0.9492696	0.9576249
7 0.8793260	0.7253260	7 0.9391235	0.9599647
8 0.8592137	0.6962137	8 0.9289774	0.9617218
9 0.8391014	0.6671014	9 0.9188313	0.9630854
10 0.8189891	0.6379891	10 0.9086852	0.9641777
11 0.7988767	0.6088767	11 0.8985391	0.9650771
12 0.7787644	0.5797644	12 0.8883930	0.9658377
13 0.7586521	0.5506521	13 0.8782469	0.9664931
14 0.7385398	0.5215398	14 0.8681008	0.9670633
15 0.7184275	0.4924275	15 0.8579547	0.9675688
16 0.6983152	0.4633152	16 0.8478086	0.9680232
17 0.6782028	0.4342028	17 0.8376625	0.9684332
18 0.6580905	0.4050905	18 0.8275164	0.9688000
19 0.6379782	0.3759782	19 0.8173703	0.9691235
20 0.6178659	0.3468659	20 0.8072242	0.9693997
21 0.5977536	0.3177536	21 0.7970781	0.9696232
22 0.5776413	0.2886413	22 0.7869320	0.9697882
23 0.5575290	0.2595290	23 0.7767859	0.9698888
24 0.5374166	0.2304166	24 0.7666398	0.9699200
25 0.5173043	0.2013043	25 0.7564937	0.9698780
26 0.4971920	0.1721920	26 0.7463476	0.9697600
27 0.4770797	0.1430797	27 0.7362015	0.9695650
28 0.4569674	0.1139674	28 0.7260554	0.9692930
29 0.4368551	0.0848551	29 0.7159093	0.9689450
30 0.4167428	0.0557428	30 0.7057632	0.9685230
31 0.3966304	0.0266304	31 0.6956171	0.9680300
32 0.3765181	0.0075181	32 0.6854710	0.9674700
33 0.3564058	0.0364058	33 0.6753249	0.9668500
34 0.3362935	0.0652935	34 0.6651788	0.9661800
35 0.3161812	0.0941812	35 0.6550327	0.9654700
36 0.2960689	0.1230689	36 0.6448866	0.9647300
37 0.2759566	0.1519566	37 0.6347405	0.9639700
38 0.2558442	0.1808442	38 0.6245944	0.9632000
39 0.2357319	0.2097319	39 0.6144483	0.9624300
40 0.2156196	0.2386196	40 0.6043022	0.9616700
41 0.1955073	0.2675073	41 0.5941561	0.9609300
42 0.1753950	0.2963950	42 0.5840100	0.9602300
43 0.1552827	0.3252827	43 0.5738639	0.9595800
44 0.1351704	0.3541704	44 0.5637178	0.9589900
45 0.1150580	0.3830580	45 0.5535717	0.9584700
46 0.0949457	0.4119457	46 0.5434256	0.9580300
47 0.0748334	0.4408334	47 0.5332795	0.9576800
48 0.0547211	0.4697211	48 0.5231334	0.9574300
49 0.0346088	0.4986088	49 0.5129873	0.9573000
50 0.0144965	0.5274965	50 0.5028412	0.9572900
51 0.0056158	0.5565158	51 0.4926951	0.9574000
52 0.0155281	0.5855281	52 0.4825490	0.9576300
53 0.0254404	0.6145404	53 0.4724029	0.9579800
54 0.0353527	0.6435527	54 0.4622568	0.9584500
55 0.0452650	0.6725650	55 0.4521107	0.9590400
56 0.0551773	0.7015773	56 0.4419646	0.9597500
57 0.0650896	0.7305896	57 0.4318185	0.9605800
58 0.0750019	0.7595019	58 0.4216724	0.9615300
59 0.0849142	0.7884142	59 0.4115263	0.9626000
60 0.0948265	0.8173265	60 0.4013802	0.9637900
61 0.1047388	0.8462388	61 0.3912341	0.9651000
62 0.1146511	0.8751511	62 0.3810880	0.9665300
63 0.1245634	0.9040634	63 0.3709419	0.9680800
64 0.1344757	0.9329757	64 0.3607958	0.9697500
65 0.1443880	0.9618880	65 0.3506497	0.9715400
66 0.1543003	0.9908003	66 0.3405036	0.9734500
67 0.1642126	1.0197126	67 0.3303575	0.9754800
68 0.1741249	1.0486249	68 0.3202114	0.9776300
69 0.1840372	1.0775372	69 0.3100653	0.9799000
70 0.1939495	1.1064495	70 0.2999192	0.9822900
71 0.2038618	1.1353618	71 0.2897731	0.9848000
72 0.2137741	1.1642741	72 0.2796270	0.9874300
73 0.2236864	1.1931864	73 0.2694809	0.9901800
74 0.2335987	1.2220987	74 0.2593348	0.9930500
75 0.2435110	1.2510110	75 0.2491887	0.9960400
76 0.2534233	1.2799233	76 0.2390426	0.9991500
77 0.2633356	1.3088356	77 0.2288965	1.0023800
78 0.2732479	1.3377479	78 0.2187504	1.0057300
79 0.2831602	1.3666602	79 0.2086043	1.0092000
80 0.2930725	1.3955725	80 0.1984582	1.0127900
81 0.3029848	1.4244848	81 0.1883121	1.0165000
82 0.3128971	1.4533971	82 0.1781660	1.0203300
83 0.3228094	1.4823094	83 0.1680199	1.0242800
84 0.3327217	1.5112217	84 0.1578738	1.0283500
85 0.3426340	1.5401340	85 0.1477277	1.0325400
86 0.3525463	1.5690463	86 0.1375816	1.0368500
87 0.3624586	1.5979586	87 0.1274355	1.0412800
88 0.3723709	1.6268709	88 0.1172894	1.0458300
89 0.3822832	1.6557832	89 0.1071433	1.0505000
90 0.3921955	1.6846955	90 0.0969972	1.0552900
91 0.4021078	1.7136078	91 0.0868511	1.0602000
92 0.4120201	1.7425201	92 0.0767050	1.0652300
93 0.4219324	1.7714324	93 0.0665589	1.0703800
94 0.4318447	1.8003447	94 0.0564128	1.0756500
95 0.4417570	1.8292570	95 0.0462667	1.0810400
96 0.4516693	1.8581693	96 0.0361206	1.0865500
97 0.4615816	1.8870816	97 0.0259745	1.0921800
98 0.4714939	1.9159939	98 0.0158284	1.0979300
99 0.4814062	1.9449062	99 0.0056823	1.1038000
100 0.4913185	1.9738185	100 0.0055362	1.1097900
101 0.5012308	2.0027308	101 0.0054901	1.1159000
102 0.5111431	2.0316431	102 0.0054440	1.1221300
103 0.5210554	2.0605554	103 0.0053979	1.1284800
104 0.5309677	2.0894677	104 0.0053518	1.1349500
105 0.5408800	2.0983800	105 0.0053057	1.1415400
106 0.5507923	2.1272923	106 0.0052596	1.1482500
107 0.5607046	2.1562046	107 0.0052135	1.1550800
108 0.5706169	2.1851169	108 0.0051674	1.1620300
109 0.5805292	2.2140292	109 0.0051213	1.1691000
110 0.5904415	2.2429415	110 0.0050752	1.1762900
111 0.6003538	2.2718538	111 0.0050291	1.1836000
112 0.6102661	2.3007661	112 0.0049830	1.1910300
113 0.6201784	2.3296784	113 0.0049369	1.1985800
114 0.6300907	2.3585907	114 0.0048908	1.2062500
115 0.6400030	2.3875030	115 0.0048447	1.2140400
116 0.6499153	2.4164153	116 0.0047986	1.2219500
117 0.6598276	2.4453276	117 0.0047525	1.2299800
118 0.6697399	2.4742399	118 0.0047064	1.2381300
119 0.6796522	2.5031522	119 0.0046603	1.2464000
120 0.6895645	2.5320645	120 0.0046142	1.2547900
121 0.6994768	2.5609768	121 0.0045681	1.2633000
122 0.7093891	2.5898891	122 0.0045220	1.2719300
123 0.7193014	2.6188014	123 0.0044759	1.2806800
124 0.7292137	2.6477137	124 0.0044298	1.2895500
125 0.7391260	2.6766260	125 0.0043837	1.2985400
126 0.7490383	2.7055383	126 0.0043376	1.3076500
127 0.7589506	2.7344506	127 0.0042915	1.3168800
128 0.7688629	2.7633629	128 0.0042454	1.3262300
129 0.7787752	2.7922752	129 0.0041993	1.3357000
130 0.7886875	2.8211875	130 0.0041532	1.3452900
131 0.7985998	2.8500998	131 0.0041071	1.3550000
132 0.8085121	2.8790121	132 0.0040610	1.3648300
133 0.8184244	2.9079244	133 0.0040149	1.3747800
134 0.8283367	2.9368367	134 0.0039688	1.3848500
135 0.8382490	2.9657490	135 0.0039227	1.3950400
136 0.8481613	2.9946613	136 0.0038766	1.4053500
137 0.8580736	3.0235736	137 0.0038305	1.4157800
138 0.8679859	3.0524859	138 0.0037844	1.4263300
139 0.8778982	3.0813982	139 0.0037383	1.4370000
140 0.8878105	3.1103105	140 0.0036922	1.4477900
141 0.8977228	3.1392228	141 0.0036461	1.4587000
142 0.9076351	3.1681351	142 0.0036000	1.4697300
143 0.9175474	3.1970474	143 0.0035539	1.4808800
144 0.9274597	3.2259597	144 0.0035078	1.4921500
145 0.9373720	3.2548720	145 0.0034617	1.5035400
146 0.9472843	3.2837843	146 0.0034156	1.5150500
147 0.9571966	3.3126966	147 0.0033695	1.5266800
148 0.9671089	3.3416089	148 0.0033234	1.5384300
149 0.9770212	3.3705212	149 0.0032773	1.5503000
150 0.9869335	3.3994335	150 0.0032312	1.5622900
151 0.9968458	3.4283458	151 0.0031851	1.5744000
152 0.0067581	3.4572581	152 0.0031390	1.5866300
153 0.0166704	3.4861704	153 0.0030929	1.5989800
154 0.0265827	3.5150827	154 0.0030468	1.6114500
155 0.0364950	3.5439950	155 0.0030007	1.6240400
156 0.0464073	3.5729073	156 0.0029546	1.6367500
157 0.0563196	3.6018196	157 0.0029085	1.6495800
158 0.0662319	3.6307319	158 0.0028624	1.6625300
159 0.0761442	3.6596442	159 0.0028163	1.6756000
160 0.0860565	3.6885565	160 0.0027702	1.6887900
161 0.0959688	3.7174688	161 0.0027241	1.7021000
162 0.1058811	3.7463811	162 0.0026780	1.7155300
163 0.1157934	3.7752934	163 0.0026319	1.7290800
164 0.1257057	3.8042057	164 0.0025858	1.7427500
165 0.1356180	3.8331180	165 0.0025397	1.7565400
166 0.1455303	3.8620303	166 0.0024936	1.7704500
167 0.1554426	3.8909426	167 0.0024475	1.7844800
168 0.1653549	3.9198549	168 0.0024014	1.7986300
169 0.1752672	3.9487672	169 0.0023553	1.8129000
170 0.1851795	3.9776795	170 0.0023092	1.8272900
171 0.1950918	4.0065918	171 0.0022631	1.8418000
172 0.2050041	4.0355041	172 0.0022170	1.8564300
173 0.2149164	4.0644164	173 0.0021709	1.8711800
174 0.2248287	4.0933287	174 0.0021248	1.8860500
175 0.2347410	4.1222410	175 0.0020787	1.9010400
176 0.2446533	4.1511533	176 0.0020326	1.9161500
177 0.2545656	4.1800656	177 0.0019865	1.9313800
178 0.2644779	4.2089779	178 0.0019404	1.9467300
179 0.2743902	4.2378902	179 0.0018943	1.9622000
180 0.2843025	4.2668025	180 0.0018482	1.9777900
181 0.2942148	4.2957148	181 0.0018021	1.9935000
182 0.3041271	4.3246271	182 0.0017560	2.0093300
183 0.3140394	4.3535394	183 0.0017099	2.0252800
184 0.3239517	4.3824517	184 0.0016638	2.0413500
185 0.3338640	4.4113640	185 0.0016177	2.0575400
186 0.3437763	4.4402763	186 0.0015716	2.0738500
187 0.3536886	4.4691886	187 0.0015255	2.0902800
188 0.3636009	4.4981009	188 0.0014794	2.1068300
189 0.3735132	4.5270132	189 0.0014333	2.1235000
190 0.3834255	4.5559255	190 0.0013872	2.1402900
191 0.3933378	4.5848378	191 0.0013411	2.1572000
192 0.4032501	4.6137501	192 0.0012950	2.1742300
193 0.4131624	4.6426624	193 0.0012489	2.1913800
194 0.4230747	4.6715747	194 0.0012028	2.2086500
195 0.4329870	4.7004870	195 0.0011567	2.2260400
196 0.4428993	4.7293993	196 0.0011106	2.2435500
197 0.4528116	4.7583116	197 0.0010645	2.2611800
198 0.4627239	4.7872239	198 0.0010184	2.2789300
199 0.4726362	4.8161362	199 0.0009723	2.2968000
200 0.4825485	4.8450485	200 0.0009262	2.3147900
201 0.4924608	4.8739608	201 0.0008801	2.3329000
202 0.5023731	4.9028731	202 0.0008340	2.3511300
203 0.5122854	4.9317854	203 0.0007879	2.3694800
204 0.5221977	4.9606977	204 0.0007418	2.3879500
205 0.5321100	4.9896100	205 0.0006957	2.4065400
206 0.5420223	5.0185223	206 0.0006496	2.4252500
207 0.5519346	5.0474346	207 0.0006035	2.4440800
208 0.5618469	5.0763469	208 0.0005574	2.4630300
209 0.5717592	5.1052592	209 0.0005113	2.4821000
210 0.5816715	5.1341715	210 0.0004652	2.5012900
211 0.5915838	5.1630838	211 0.0004191	2.5206000
212 0.6014961	5.1919961	212 0.0003730	2.5400300
213 0.6114084	5.2209084	213 0.0003269	2.5595800
214 0.6213207	5.2498207	214 0.0002808	2.5792500
215 0.6312330	5.2787330	215 0.0002347	2.5990400
216 0.6411453	5.3076453	216 0.0001886	2.6189500
217 0.6510576	5.3365576	217 0.0001425	2.6389800
218 0.6609699	5.3654699	218 0.0000964	2.6591300
219 0.6708822	5.3943822	219 0.0000503	2.6794000
220 0.6807945	5.4232945	220 0.0000042	2.6997900
221 0.6907068	5.4522068	221 0.0000000	2.7203000
222 0.7006191	5.4811191	222 0.0000000	2.7409300
223 0.7105314	5.5100314	223 0.0000000	2.7616800
224 0.7204437	5.5389437	224 0.0000000	2.7825500
225 0.7303560	5.5678560	225 0.0000000	2.8035400
226 0.7402683	5.5967683	226 0.0000000	2.8246500
227 0.7501806	5.6256806	227 0.0000000	2.8458800
228 0.7600929	5.6545929	228 0.0000000	2.8672300
229 0.7700052	5.6835052	229 0.0000000	2