FIBS Ratings Calculator Calculations	Input Values	Rating Point	Gain or Loss
n = the length of the match.	5	Win	Lose
P1 = the rating of Player 1.	1700	3.34562028	5.59865163
P2 = the rating of Player 2. E1 = Player 1 Experience right before finishing the match. E2 = Player 2 Experience right before finishing the match. PE1 = experience factor for Player 1 PE2 = experience factor for Player 2 D = the difference between the two ratings F = the probability of the favorite winning the match U = the probability of the underdog winning the match D = absolute value of P1-P2 U = $1/(10^{(D*SQRT(n)/2000)+1)$	1500 400 1 1 200 0.6259 0.3741	5.59865163	3.34562028
F = 1-U PE1 = maximum(1, 5-((E1+n)/100)) PE2 = maximum(1, 5-((E2+n)/100))			
If Player 1 is higher rated and wins, P1's rating increases by 4*PE1*SQRT(n)*U If Player 1 is higher rated and loses, P1's rating decreases by 4*PE1*SQRT(n)*F If Player 1 is lower rated and wins, P1's rating increases by 4*PE1*SQRT(n)*F If Player 1 is lower rated and loses, P1's rating decreases by 4*PE1*SQRT(n)*U If Player 2 is higher rated and wins, P2's rating increases by 4*PE2*SQRT(n)*U If Player 2 is higher rated and loses, P2's rating decreases by 4*PE2*SQRT(n)*F If Player 2 is lower rated and wins, P2's rating increases by 4*PE2*SQRT(n)*F If Player 2 is lower rated and wins, P2's rating increases by 4*PE2*SQRT(n)*F			

4*PE2*SQRT(n)*U

Cell modification password is "FIBS"