

Competitors Selection Method

Description

The selection process is based on the pilots rank. The pilots are ranked from strongest to weakest. The list of the ranks is divided by blocks with 16 rating places inside the block. The blocks are 1-16, 17-32, 33-48, 49-64 etc.
 The selection is started from the first place in the first block. Only one strongest pilot from each nation, presented in the considered block, is selected.
 After the pilots from each nation, presented in the considering block are selected (once again: one strongest pilot from a nation) the consideration moves to the next block.
 When starting the next block next-best pilots from the nations that were previously selected can be selected. The rank of this selection is considered not only in this block but in the previous block(s) as well. I.e. if in the first block there were several pilots from one nation in the first

Sample Distribution

rank	country
1	C1
2	C1
3	C1
4	C2
5	C2
6	C1
7	C1
8	C1
9	C3
10	C3
11	C1
12	C4
13	C1
14	C3
15	C1
16	C2
17	C3
18	C2
19	C5
20	C5
21	C6
22	C2
23	C7
24	C3
25	C2
26	C5
27	C2
28	C1
29	C8
30	C1
31	C9
32	C1
33	C10
34	C9
35	C10
36	C6
37	C6
38	C7
39	C3
40	C2
41	C1
42	C11
43	C7
44	C7
45	C3
46	C7
47	C2
48	C11
49	C5
50	C6
51	C7
52	C7
53	C3
54	C12
55	C9
56	C8
57	C12
58	C4
59	C13
60	C8
61	C14
62	C7
63	C8
64	C10
65	C2

My Method

#	selection process	country	rank
1	we take the first competitor from the list basing on his rating. It is country 1 with rank 1	C1	1
2	we ignore competitors from previous country until we will invite competitors from other countries with a rank number from 1 to 16. in this case, next competitor is from C2 with a rank 4	C2	4
3	we ignore competitors from the first 2 countries and look for the 3rd county inside first 16 ranks. Here it is C3 with rank 9	C3	9
4	we ignore previous 3 nations and look for the 4th nation inside first 16 ranks. Here it is C4 with rank 12	C4	12
5	Attention!: we have no more new countries inside first 16 ranks. Now we start the search from the beginning and inviting second best pilots from nations that we previously ignored. In our list it is nation C1 with a rank 2	C1	2
6	currently we ignore the 3rd best pilot from C1 and select the next nation. This is C2 with the rank 5	C2	5
7	next nation - C3	C3	10
8	Attention!: the 2nd best pilot from C4 has a rank 58. Now we are considering pilots at first from ranks 1-16 and than step by step from ranks 17-32. As there is no other C4 pilots in this range we are not selecting stcond pilot from C4 at this moment. Our next candidate - C5 with rank 19	C5	19
9	as we still take one pilot from a nation inside the group of 17-32 ranks we ignore second pilot from C5 with r20	C6	21
10	9 and invite C6 with r21	C7	23
11	# Next - C7	C8	29
12	## C9	C9	31
13	We'd like to invite C10 with r33 but the second range (17-32) is over and we have to start to choose 3rd pilots from countries that were higher in the list.	C1	3
14	## This is C1 with r3	C3	14
15	Next is not C2 r16 but C3 r14 because the rank of the 3rd best pilot in C3 is higher than the rank of 3ed best in C2. Next C4 has a rank 58. We are not taking it because it is not inside the range that we consider now (first two ranges (1-16, 17-32) and third range (33-48)) and go to the next nation with high rank. This is C5 r20	C5	20
16	## C5 r20	C10	33
17	Next consecutive strongest pilot inside the range (1-16, 17-32, 33-48) C10 r33	C10	33
Nations		10	
Average rank (the lower the better)			14.75

Your method

#	selection process	country	rank
1	2 best pilots from 8 best teams	C1	1
2		C1	2
3		C2	4
4		C2	5
5		C3	9
6		C3	10
7		C4	12
8		C4	58
9		C5	19
10		C5	20
11		C6	21
12		C6	36
13		C7	23
14		C7	38
15		C8	29
16		C8	56
Nations		8	
Average rank			21

Comparison and arguments

If 16 nations were presented on the first 16 places of ranking, we would have competitors from My method will always select competitors with better average rating (except one case in Nevertheless my rating do not rigidly defines the numer of participating nations - in case pilots from different nations are close to the top of the rating - we will have more competing nations. In case only few nations are dominating in the top we will have less nations. In any case this method will not allow to select weak second candidates from countries with strong first candidate

Proposal for comparing the rankings from different classes

We propose to deal with ranks but not the scores
 It is logical that the best pilots for the competition are the pilots with top ranks in the same (that the competition) class
 We propose to combine 2 rankings as follows: first 8 places in the united ranking go to the same (as the competition) class. For places started from 9 the following logic is applied: one pilot from a different class - one pilot from the same class.

Example	Same class, rating #	Different class, Rating		United rating #
		d1	d2	
s1	d1	s1	1	
s2	d2	s2	2	
s3	d3	s3	3	
s4	d4	s4	4	
s5	d5	s5	5	
s6	d6	s6	6	
s7	d7	s7	7	
s8	d8	s8	8	
s9	d9	d1	9	
s10	d10	s9	10	
s11	d11	d2	11	
s12	d12	s10	12	
s13	d13	d3	13	
s14	d14	s11	14	
s15	d15	d4	15	
s16	d16	s12	16	
s17	d17	d5	17	
s18	d18	s13	18	
s19	d19	d6	19	
s20	d20	s14	20	
s21	d21	d7	21	
s22	d22	s15	22	
s23	d23	d8	23	
s24	d24	s16	24	
s25	d25	d9	25	
s26	d26	s17	26	
s27	d27	d10	27	
s28	d28	s18	28	
s29	d29	d11	29	
s30	d30	s19	30	