Player Combination Count Based on Selected Players and Captain/Vice-Captain Status

Legend:

- Sel. Players = Number of players selected (including Captain and/or Vice-Captain if any)

- C selected? = Is Captain selected (Yes/No)

- VC selected? = Is Vice-Captain selected (Yes/No)

- Max allowed selected players = Based on C/VC logic (9, 10, or 11)

- Players needed to fill = 11 - Sel. Players

- Remaining players = 30 - Sel. Players

- Combination count = nCr(Remaining players, Players needed to fill)

Logic:

- If both C & VC selected -> max selected players = 9 (rest filled)

- If only one of C or VC selected -> max selected players = 10 (rest filled)

- If none selected -> max selected players = 11 (rest filled)

- Total pool size = 30 players

Sel. Players	C selected?	VC selected?	Max allowed selected players	Players needed to fill	Remaining players	Combinations
1	No	No	11	10	29	20,030,010
1	Yes	No	10	10	29	20,030,010
1	No	Yes	10	10	29	20,030,010
1	Yes	Yes	9	10	29	Invalid (Selected > max a
2	No	No	11	9	28	6,906,900
2	Yes	No	10	9	28	6,906,900
2	No	Yes	10	9	28	6,906,900
2	Yes	Yes	9	9	28	6,906,900
3	No	No	11	8	27	2,220,075
3	Yes	No	10	8	27	2,220,075
3	No	Yes	10	8	27	2,220,075
3	Yes	Yes	9	8	27	2,220,075
4	No	No	11	7	26	657,800
4	Yes	No	10	7	26	657,800
4	No	Yes	10	7	26	657,800
4	Yes	Yes	9	7	26	657,800

5	No	No	11	6	25	177,100
5	Yes	No	10	6	25	177,100
5	No	Yes	10	6	25	177,100
5	Yes	Yes	9	6	25	177,100
6	No	No	11	5	24	42,504
6	Yes	No	10	5	24	42,504
6	No	Yes	10	5	24	42,504
6	Yes	Yes	9	5	24	42,504
7	No	No	11	4	23	8,855
7	Yes	No	10	4	23	8,855
7	No	Yes	10	4	23	8,855
7	Yes	Yes	9	4	23	8,855
8	No	No	11	3	22	1,540
8	Yes	No	10	3	22	1,540
8	No	Yes	10	3	22	1,540
8	Yes	Yes	9	3	22	1,540
9	No	No	11	2	21	210
9	Yes	No	10	2	21	210
9	No	Yes	10	2	21	210
9	Yes	Yes	9	2	21	210
10	No	No	11	1	20	20
10	Yes	No	10	1	20	20
10	No	Yes	10	1	20	20
10	Yes	Yes	9	1	20	Invalid (selected >
11	No	No	11	0	19	1 (fixed team)
11	Yes	No	10	0	19	Invalid (selected >
11	No	Yes	10	0	19	Invalid (selected >
11	Yes	Yes	9	0	19	Invalid (selected >