

## APPENDIX C – Knockout Bracketing

### Introduction

Principles: Assuming there are F four team groups and T head-to-head matches  
The top F seeds playing will be assigned to 4-way matches.  
The next T seeds will be assigned to 2-way matches.  
The next 3 groups of F teams will be assigned to 4-ways.  
The last T teams will be assigned to 2-ways.

The second seed in a four team group will be from the opposite final bracket if possible, otherwise from the opposite semifinal group.

If the second seed is from the opposite final group, the third seed will be from the same final group as the top seed but from the other semifinal group.

If the second seed is from the same final group as the top seed, the third seed will be from the other final group.

The fourth seed will be the complement of the third seed.  
Within the restrictions of the above rules, the second seed in the group including the highest seed playing shall be the lowest seed among the second seeds.

No teams may be in the same 4-way group in both the first and second rounds.

As an example, consider the 48 team setup below. If we call the semifinal brackets 1,2,3, and 4, the top seed, 1 is from bracket 1, the second seed, 23, is from bracket 2, the third seed, 28, is from bracket 4. The fourth seed, 38, sums to 65 with the third seed. These are the two teams that are "expected" to meet in the KO round in the evening. Thus, no matter the outcome, no teams involved in the 4-way can meet again until the semi-finals.  
In match 2, the second seed is from bracket 1, the third seed from bracket 3. The fourth seed again sums to 65 with the third.

48 team groupings: 8 4-ways, 8 2-ways, 32 survivors

4-ways				2-ways			
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	23	28	37	9	48		
2	24	27	38	10	47		
3	21	26	39	11	46		
4	22	25	40	12	45		
5	19	32	33	13	44		
6	20	31	34	14	43		
7	17	30	35	15	42		
8	18	29	36	16	41		

Appendix C, as attached, reflects this algorithm. The remainder of Appendix C will be calculated based upon this algorithm.

## APPENDIX C

12 team groupings: 2 4-ways, 2 2-ways, 8 survivors

4-ways				2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team
1	6	7	9	3	12
2	5	8	10	4	11

13 team groupings: 1 bye, 1 4-way, 4 2-ways, 8 survivors

4-ways				2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team
2	6	8	9	3	13
				4	12
				5	11
				7	10

14 team groupings: 1 4-way, 5 2-ways, 8 survivors

4-ways				2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team
1	6	7	9	2	14
				through	
				5	11
				8	10

15 team groupings: 1 bye, 7 2-ways, 8 survivors

16 team groupings: 8 head to head, 8 survivors

### The Following Groupings Reduce to 12 Teams

17 team groupings: 1 bye, 3 4-way, 2 2-ways, 12 survivors

4-ways				2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team
2	8	11	14	5	17
3	9	10	15	6	16
4	7	12	13		

18 team groupings: 3 4-way, 3 2-ways, 12 survivors

4-ways				2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team
1	7	12	13	4	18
2	9	11	14	5	17
3	8	10	15	6	16

19 team groupings: 1 bye, 2 4-way, 5 2-ways, 12 survivors

4-ways				2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team
2	9	11	14	4	19
3	10	12	13	through	
				8	15

20 team groupings: 2 4-way, 6 2-ways, 12 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
1	10	12	13
2	9	11	14

2-ways

Top Seed	Second team
3	20
through	
8	15

### The Following Groupings Reduce to 16 Teams

21 team groupings: 1 bye, 5 4-way, 0 2-ways, 16 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
2	8	15	18
3	9	14	19
4	7	16	17
5	11	12	21
6	10	13	20

2-ways

Top Seed	Second team
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22 team groupings: 5 4-way, 1 2-ways, 16 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
1	11	12	21
2	9	14	19
3	8	13	20
4	10	15	16
5	7	16	17

2-ways

Top Seed	Second team
6	22

23 team groupings: 1 bye, 4 4-way, 3 2-ways, 16 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
2	12	14	19
3	9	15	18
4	10	16	17
5	11	13	20

2-ways

Top Seed	Second team
6	23
7	22
8	21

24 team groupings: 4 4-way, 4 2-ways, 16 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
1	10	12	21
2	9	14	19
3	8	13	20
4	10	15	16

2-ways

Top Seed	Second team
5	24
6	23
7	22
8	21

25 team groupings: 1 bye, 3 4-way, 6 2-ways, 16 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
2	13	14	19
3	12	15	18
4	11	16	17

2-ways

Top Seed	Second team
5	25
through	
10	20

26 team groupings: 3 4-way, 7 2-ways, 16 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
1	11	16	17
2	12	15	18
3	13	14	29

2-ways

Top Seed	Second team
4	26
through	
10	20

27 team groupings: 1 bye, 2 4-way, 9 2-ways, 16 survivors

4-ways

2-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team
2	14	16	17	4	27
3	13	15	18	through	19
				12	

28 team groupings: 2 4-way, 10 2-ways, 16 survivors  
4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways	Top Seed	Second team
1	14	15	18	Top Seed	3	28
2	13	16	17	through	12	19

29 team groupings: 1 bye, 1 4-way, 12 2-ways, 16 survivors  
4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways	Top Seed	Second team
2	14	16	17	Top Seed	3	29
				through	13	19
				15	18	

30 team groupings: 1 4-way, 13 2-ways, 16 survivors  
4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways	Top Seed	Second team
1	15	16	17	Top Seed	2	30
				through	14	18

31 team groupings: 1 bye, 15 head to head, 16 survivors

32 team groupings: 16 head to head, 16 survivors

**The Following Groupings Reduce to 24 Teams**

33 team groupings: 1 bye, 7 4-way, 2 2-ways, 24 survivors  
4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways	Top Seed	Second team
2	17	19	30	9	33	
3	16	18	31	10	32	
4	15	22	27			
5	14	23	26			
6	13	24	25			
7	12	20	29			
8	11	21	28			

34 team groupings: 7 4-way, 3 2-ways, 24 survivors  
4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways	Top Seed	Second team
1	15	20	29	8	34	
2	17	18	31	through		
3	16	19	30	10	32	
4	14	21	28			
5	11	24	25			
6	13	22	27			
7	12	23	26			

35 team groupings: 1 bye, 6 4-way, 5 2-ways, 24 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways Top Seed	Second team
2	17	19	30	8	35
3	18	20	29	through	
4	15	22	27	12	31
5	14	23	26		
6	16	24	25		
7	13	21	28		

36 team groupings: 6 4-way, 6 2-ways, 24 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways Top Seed	Second team
1	18	20	29	7	36
2	17	19	30	through	
3	16	21	28	12	31
4	15	22	27		
5	14	23	26		
6	13	24	25		

37 team groupings: 1 bye, 5 4-way, 8 2-ways, 24 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways Top Seed	Second team
2	17	20	29	7	37
3	18	21	28	through	
4	19	22	27	14	30
5	15	23	26		
6	16	24	25		

38 team groupings: 5 4-way, 9 2-ways, 24 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways Top Seed	Second team
1	19	20	29	6	38
2	17	22	27	through	
3	16	23	26	14	30
4	18	21	28		
5	15	24	25		

39 team groupings: 1 bye, 4 4-way, 11 2-ways, 24 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways Top Seed	Second team
2	20	21	28	6	39
3	17	24	25	through	
4	19	22	27	16	29
5	18	23	26		

40 team groupings: 4 4-way, 12 2-ways, 24 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways Top Seed	Second team
1	18	21	28	5	40
2	17	22	27	through	
3	20	23	26	16	29
4	19	24	25		

41 team groupings: 1 bye, 3 4-way, 14 2-ways, 24 survivors

4-ways				2-ways			
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	21	22	27	5	41		
3	20	23	26	through			
4	19	24	25	18	28		

42 team groupings: 3 4-way, 15 2-ways, 24 survivors

4-ways				2-ways			
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	21	22	27	4	41		
2	19	24	25	through			
3	20	23	26	18	27		

### The Following Groupings Reduce to 32 Teams

43 team groupings: 1 bye, 10 4-way, 1 2-ways, 32 survivors

4-ways				2-ways			
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	21	24	41	12	43		
3	20	25	40				
4	22	23	42				
5	19	26	39				
6	17	28	37				
7	16	29	36				
8	18	27	38				
9	15	30	35				
10	14	31	34				
11	13	32	33				

44 team groupings: 10 4-way, 2 2-ways, 32 survivors

4-ways				2-ways			
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	22	23	42	11	44		
2	21	24	41	12	43		
3	20	25	40				
4	19	26	49				
5	18	27	38				
6	17	28	37				
7	16	29	36				
8	15	30	35				
9	14	31	34				
10	13	32	33				

45 team groupings: 1 bye, 9 4-way, 4 2-ways, 32 survivors

4-ways				2-ways			
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	22	26	39	11	45		
3	21	25	40	through			
4	23	24	41	14	42		
5	19	28	37				
6	20	27	38				
7	17	30	35				
8	18	29	36				
9	15	32	33				
10	16	31	34				

46 team groupings: 9 4-way, 5 2-ways, 32 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	23	24	41	10	46	
2	21	26	39	through		
3	20	27	38	14	42	
4	22	25	40			
5	19	28	39			
6	17	30	35			
7	16	31	34			
8	18	29	36			
9	15	32	33			

47 team groupings: 1 bye, 8 4-way, 7 2-ways, 32 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	24	27	38	10	47	
3	21	25	40	through		
4	23	28	37	16	41	
5	22	26	39			
6	20	32	33			
7	17	29	36			
8	19	31	34			
9	18	30	35			

48 team groupings: 8 4-way, 8 2-ways, 32 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	23	28	37	9	48	
2	24	27	38	through		
3	21	26	39	16	41	
4	22	25	40			
5	19	32	33			
6	20	31	34			
7	17	30	35			
8	18	29	36			

49 team groupings: 1 bye, 7 4-way, 10 2-ways, 32 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	25	26	39	9	49	
3	24	27	38	through		
4	23	28	37	18	40	
5	22	29	36			
6	21	30	35			
7	20	31	34			
8	19	32	33			

50 team groupings: 7 4-way, 11 2-ways, 32 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
1	23	28	37
2	24	27	38
3	25	26	39
4	19	32	40
5	22	29	33
6	20	31	34
7	21	30	35

2-ways

Top Seed	Second team
8	50
through	
18	40

51 team groupings: 1 bye, 6 4-way, 13 2-ways, 32 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
2	24	27	38
3	21	25	40
4	23	28	37
5	22	26	39
6	20	32	33
7	17	29	36

2-ways

Top Seed	Second team
8	51
through	
20	39

52 team groupings: 6 4-way, 14 2-ways, 32 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
1	26	27	38
2	25	28	37
3	24	29	36
4	23	30	35
5	22	31	34
6	21	32	33

2-ways

Top Seed	Second team
7	52
through	
20	39

53 team groupings: 1 bye, 5 4-way, 16 2-ways, 32 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
2	27	28	37
3	25	30	35
4	26	29	36
5	23	32	33
6	24	31	34

2-ways

Top Seed	Second team
7	53
through	
22	38

54 team groupings: 5 4-way, 17 2-ways, 32 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
1	27	28	38
2	24	29	37
3	26	31	34
4	25	30	35
5	23	32	33

2-ways

Top Seed	Second team
6	54
through	
22	38

55 team groupings: 1 bye, 4 4-way, 19 2-ways, 32 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
2	28	32	33
3	25	29	36
4	27	31	34
5	26	30	35

2-ways

Top Seed	Second team
6	55
through	
24	37

56 team groupings: 4 4-way, 20 2-ways, 32 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	27	29	36	5	56	
2	28	30	35	through		
3	25	31	34	24	37	
4	26	32	33			

57 team groupings: 1 bye, 3 4-way, 22 2-ways, 32 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	29	30	35	5	57	
3	28	31	34	through		
4	27	32	33	26	36	

58 team groupings: 3 4-way, 23 2-ways, 32 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	27	31	34	4	58	
2	29	30	35	through		
3	28	32	33	26	36	

59 team groupings: 1 bye, 2 4-way, 25 2-ways, 32 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	30	32	33	4	59	
3	29	31	34	through		
				28	35	

60 team groupings: 2 4-way, 26 2-ways, 32 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	30	31	34	3	60	
2	29	32	33	through		
				28	35	

61 team groupings: 1 bye, 1 4-way, 28 2-ways, 32 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	30	32	33	3	61	
				through		
				29	35	
				and		
				31	34	

60 team groupings: 2 4-way, 26 2-ways, 32 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	30	31	34	2	62	
				through		
				29	35	
				and		
				32	33	

63 team groupings: 1 bye, 31 head to head, 32 survivors

64 team groupings: 64 head to head, 32 survivors

### **The Following Groupings Reduce to 48 Teams**

65 team groupings: 1 bye, 15 4-way, 2 2-ways, 48 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	33	34	63	17	65		
3	32	35	62	18	64		
4	31	36	61				
5	30	37	60				
6	29	38	59				
7	28	39	58				
8	27	40	57				
9	26	41	56				
10	25	42	55				
11	24	43	54				
12	23	44	53				
13	22	45	52				
14	21	46	51				
15	20	47	50				
16	19	48	49				

66 team groupings: 15 4-way, 3 2-ways, 48 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	31	36	64	16	66		
2	33	34	63	through			
3	32	35	61	18	64		
4	30	37	60				
5	27	40	59				
6	29	38	58				
7	28	39	57				
8	26	41	56				
9	23	44	55				
10	25	42	54				
11	24	43	53				
12	22	45	52				
13	19	48	51				
14	21	46	50				
15	20	47	49				

67 team groupings: 1 bye, 14 4-way, 5 2-ways, 48 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	34	35	62	16	67		
3	33	36	61	through			
4	31	38	60	20	63		
5	30	39	59				
6	32	37	58				
7	29	40	57				
8	27	42	56				
9	26	43	55				
10	28	41	54				
11	25	44	53				
12	23	46	52				
13	22	47	51				
14	24	45	50				
15	21	48	49				

68 team groupings: 14 4-way, 6 2-ways, 48 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		

1	34	35	62	15	68
2	33	36	61	through	
3	32	37	60	20	63
4	31	38	59		
5	30	39	58		
6	29	40	57		
7	28	41	56		
8	27	42	55		
9	26	43	54		
10	25	44	53		
11	24	45	52		
12	23	46	51		
13	22	47	50		
14	21	48	49		

69 team groupings: 1 bye, 13 4-way, 8 2-ways, 48 survivors

4-ways				2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team
2	33	36	61	15	69
3	34	37	60	through	
4	35	38	59	22	62
5	31	39	58		
6	32	40	57		
7	29	41	56		
8	30	42	55		
9	27	43	54		
10	28	44	53		
11	25	45	52		
12	26	46	51		
13	23	47	50		
14	24	48	49		

70 team groupings: 13 4-way, 9 2-ways, 48 survivors

4-ways				2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team
1	35	36	61	14	70
2	33	38	60	through	
3	32	39	59	22	62
4	34	37	58		
5	31	40	57		
6	29	42	56		
7	28	43	55		
8	30	41	54		
9	27	44	53		
10	25	46	52		
11	24	47	51		
12	26	45	50		
13	23	48	49		

71 team groupings: 1 bye, 12 4-way, 11 2-ways, 48 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways Top Seed	Second team
2	36	37	60	14	71
3	33	40	59	through	
4	35	38	58	24	61
5	34	39	57		
6	32	41	56		
7	29	44	55		
8	31	42	54		
9	30	43	53		
10	28	45	52		
11	25	48	51		
12	27	46	50		
13	26	47	49		

72 team groupings: 12 4-way, 12 2-ways, 48 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways Top Seed	Second team
1	35	38	60	13	72
2	36	37	59	through	
3	33	40	58	24	61
4	34	39	57		
5	31	42	56		
6	32	41	55		
7	29	44	54		
8	30	43	53		
9	27	46	52		
10	28	45	51		
11	25	48	50		
12	26	47	49		

73 team groupings: 1 bye, 11 4-way, 14 2-ways, 48 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways Top Seed	Second team
2	37	38	59	13	73
3	36	39	58	through	
4	35	40	57	26	60
5	34	41	56		
6	33	42	55		
7	32	43	54		
8	31	44	53		
9	30	45	52		
10	29	46	51		
11	28	47	50		
12	27	48	49		

74 team groupings: 11 4-way, 15 2-ways, 48 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	35	40	57	12	74		
2	37	38	59	through			
3	36	39	58	26	60		
4	34	41	56				
5	31	44	53				
6	33	42	55				
7	32	43	54				
8	30	45	52				
9	27	48	49				
10	29	46	51				
11	28	47	50				

75 team groupings: 1 bye, 10 4-way, 17 2-ways, 48 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	38	39	58	12	75		
3	37	40	57	through			
4	35	42	55	28	59		
5	34	43	54				
6	36	41	56				
7	33	44	53				
8	31	46	51				
9	30	47	50				
10	32	45	52				
11	29	48	49				

76 team groupings: 10 4-way, 18 2-ways, 48 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	38	39	58	11	76		
2	37	40	57	through			
3	36	41	56	28	59		
4	35	42	55				
5	34	43	54				
6	33	44	53				
7	32	45	52				
8	31	46	51				
9	30	47	50				
10	29	48	49				

77 team groupings: 1 bye, 9 4-way, 20 2-ways, 48 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	37	42	55	11	77		
3	39	40	57	through			
4	38	41	56	30	58		
5	35	44	53				
6	36	43	54				
7	33	46	51				
8	34	45	52				
9	31	48	49				
10	32	47	50				

78 team groupings: 9 4-way, 21 2-ways, 48 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	39	40	57	10	78	
2	37	42	55	through		
3	36	43	54	30	58	
4	38	41	56			
5	35	44	53			
6	33	46	51			
7	32	47	50			
8	34	45	52			
9	31	48	49			

79 team groupings: 1 bye, 8 4-way, 23 2-ways, 48 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	40	41	56	10	79	
3	37	44	53	through		
4	39	42	55	32	57	
5	38	43	54			
6	36	45	52			
7	33	48	49			
8	35	46	51			
9	34	47	50			

80 team groupings: 8 4-way, 24 2-ways, 48 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	39	42	55	9	80	
2	40	41	56	through		
3	37	44	53	32	57	
4	38	43	54			
5	35	46	51			
6	36	45	52			
7	33	48	49			
8	34	47	50			

81 team groupings: 1 bye, 7 4-way, 26 2-ways, 48 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	41	42	55	9	81	
3	40	43	54	through		
4	39	44	53	34	56	
5	38	45	52			
6	37	46	51			
7	36	47	50			
8	35	48	49			

82 team groupings: 7 4-way, 27 2-ways, 48 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
1	39	44	53
2	41	42	55
3	40	43	54
4	38	45	52
5	35	48	49
6	37	46	51
7	36	47	50

2-ways

Top Seed	Second team
8	82
through	
34	56

83 team groupings: 1 bye, 6 4-way, 29 2-ways, 48 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
2	41	44	53
3	42	43	54
4	39	46	51
5	38	47	50
6	40	45	52
7	37	48	49

2-ways

Top Seed	Second team
8	83
through	
36	55

84 team groupings: 6 4-way, 30 2-ways, 48 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
1	42	43	54
2	41	44	53
3	40	45	52
4	39	46	51
5	38	47	50
6	37	48	49

2-ways

Top Seed	Second team
7	84
through	
36	55

### **The Following Groupings Reduce to 64 Teams**

85 team groupings: 1 bye, 21 4-way, 64 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
2	43	44	85
3	41	46	83
4	42	45	84
5	39	48	81
6	40	47	82
7	37	50	79
8	38	49	80
9	35	52	77
10	36	51	78
11	33	54	75
12	34	53	76
13	31	56	73
14	32	55	74
15	29	58	71
16	30	57	72
17	27	60	69
18	28	59	70
19	25	62	67
20	26	61	68
21	23	64	65
22	24	63	66

2-ways

Top Seed	Second team
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86 team groupings: 21 4-way, 1 2-ways, 64 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
1	43	44	85
2	41	46	83
3	40	47	82
4	42	45	84
5	39	48	81
6	37	50	79
7	36	51	78
8	38	49	80
9	35	52	77
10	33	54	75
11	32	55	74
12	34	53	76
13	31	56	73
14	29	58	71
15	28	59	70
16	30	57	72
17	27	60	69
18	25	62	67
19	24	63	66
20	26	61	68
21	23	64	65

2-ways

Top Seed	Second team
22	86

87 team groupings: 1 bye, 20 4-way, 3 two-ways 64 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
2	44	45	84
3	41	48	81
4	43	46	83
5	42	47	82
6	40	49	80
7	37	52	77
8	39	50	79
9	38	51	78
10	36	53	76
11	33	56	75
12	35	54	75
13	34	55	74
14	32	57	72
15	29	60	69
16	31	58	71
17	30	59	70
18	28	61	68
19	25	64	65
20	27	62	67
21	26	63	66

2-ways

Top Seed	Second team
22	87
through	
24	85

88 team groupings: 20 4-way, 4 2-ways, 64 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
1	43	44	85
2	41	46	83
3	40	47	82
4	42	45	84
5	39	48	81
6	37	50	79
7	36	51	78
8	38	49	80
9	35	52	77
10	33	54	75
11	32	55	74
12	34	53	76
13	31	56	73
14	29	58	71
15	28	59	70
16	30	57	72
17	27	60	69
18	25	62	67
19	24	63	66
20	26	61	68

2-ways

Top Seed	Second team
21	88
through	
24	85

89 team groupings: 1 bye, 19 4-way, 6 two-ways 64 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
2	45	46	83
3	44	47	82
4	43	48	81
5	42	49	80
6	41	50	79
7	40	51	78
8	39	52	77
9	38	53	76
10	37	54	75
11	36	55	74
12	35	56	73
13	34	57	72
14	33	58	71
15	32	59	70
16	31	60	69
17	30	61	68
18	29	62	67
19	28	63	66
20	27	64	65

2-ways

Top Seed	Second team
21	89
through	
26	84

90 team groupings: 19 4-way, 7 2-ways, 64 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
1	43	48	81
2	45	46	83
3	44	47	82
4	42	49	80
5	39	52	77
6	41	50	79
7	40	51	78
8	38	53	76
9	35	56	73
10	37	54	75
11	36	55	74
12	34	57	72
13	31	60	69
14	33	58	71
15	32	59	70
16	30	61	68
17	27	64	69
18	29	62	67
19	28	63	66

2-ways

Top Seed	Second team
20	90
through	
26	84

91 team groupings: 1 bye, 18 4-way, 9 two-ways 64 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed
2	46	48	81
3	45	47	82
4	43	50	79
5	42	51	78
6	44	49	80
7	41	52	77
8	39	54	75
9	38	55	74
10	40	53	76
11	37	56	73
12	35	58	71
13	34	59	70
14	36	57	72
15	33	60	69
16	31	62	67
17	30	63	66
18	32	61	68
19	29	64	65

2-ways

Top Seed	Second team
20	91
through	
28	83

92 team groupings: 18 4-way, 10 2-ways, 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	46	47	82	19	92	
2	45	48	81	through		
3	44	49	80	28	83	
4	43	50	79			
5	42	51	78			
6	41	52	77			
7	40	53	76			
8	39	54	75			
9	38	55	74			
10	37	56	73			
11	36	57	72			
12	35	58	71			
13	34	59	70			
14	33	60	69			
15	32	61	68			
16	31	62	67			
17	30	63	66			
18	29	64	65			

93 team groupings: 1 bye, 17 4-way, 12 two-ways 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	45	50	79	19	93	
3	47	48	81	through		
4	46	49	80	30	82	
5	43	52	77			
6	44	51	78			
7	41	54	75			
8	42	53	76			
9	39	56	73			
10	40	55	74			
11	37	58	71			
12	38	57	72			
13	35	60	69			
14	36	59	70			
15	33	62	67			
16	34	61	68			
17	31	64	65			
18	32	63	66			

94 team groupings: 17 4-way, 13 2-ways, 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	47	52	77	18	94	
2	45	51	78	through		
3	44	50	79	30	82	
4	46	48	81			
5	43	49	80			
6	41	55	74			
7	40	54	75			
8	42	53	76			
9	39	59	70			
10	37	57	72			
11	36	58	71			
12	38	56	73			
13	35	64	65			
14	33	63	66			
15	32	61	68			
16	34	60	69			
17	31	62	67			

95 team groupings: 1 bye, 16 4-way, 15 two-ways 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	48	50	79	18	95	
3	45	51	78	through		
4	47	49	80	32	81	
5	46	52	77			
6	44	54	75			
7	41	55	74			
8	43	53	76			
9	42	56	73			
10	40	58	71			
11	37	59	70			
12	39	57	72			
13	38	60	69			
14	36	62	67			
15	33	63	66			
16	35	61	68			
17	34	64	65			

96 team groupings: 16 4-way, 16 2-ways, 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	47	51	80	17	96		
2	48	52	79	through			
3	45	49	78	32	81		
4	46	50	77				
5	43	55	76				
6	44	56	75				
7	41	53	74				
8	42	54	73				
9	39	59	72				
10	40	60	71				
11	37	57	70				
12	38	58	69				
13	35	63	69				
14	36	64	67				
15	33	61	66				
16	34	62	65				

97 team groupings: 1 bye, 15 4-way, 18 two-ways 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	49	51	79	17	97		
3	48	50	78	through			
4	47	53	77	34	80		
5	46	52	76				
6	45	55	75				
7	44	54	74				
8	43	57	73				
9	42	56	72				
10	41	59	71				
11	40	58	70				
12	39	62	6				
13	38	63	65				
14	37	61	66				
15	36	64	67				
16	35	60	68				

98 team groupings: 15 4-way, 19 2-ways, 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	47	50	79	16	98		
2	49	51	78	through			
3	48	52	77	34	80		
4	46	54	75				
5	43	55	74				
6	45	53	76				
7	44	56	73				
8	42	58	71				
9	39	59	70				
10	41	57	72				
11	40	60	69				
12	38	62	67				
13	35	63	66				
14	37	61	68				
15	36	64	65				

99 team groupings: 1 bye, 14 4-way, 21 two-ways 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	49	51	78	16	99		
3	50	52	77	through			
4	47	53	76	36	79		
5	46	56	73				
6	48	54	75				
7	45	55	74				
8	43	57	72				
9	42	60	69				
10	44	58	71				
11	41	59	70				
12	39	61	68				
13	38	64	65				
14	40	62	67				
15	37	63	66				

100 team groupings: 14 4-way, 22 2-ways, 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	50	52	77	15	100		
2	49	51	78	through			
3	48	54	75	36	79		
4	47	53	76				
5	46	56	73				
6	45	55	74				
7	44	58	71				
8	43	57	72				
9	42	60	69				
10	41	59	70				
11	40	62	67				
12	39	61	68				
13	38	64	65				
14	37	63	68				

101 team groupings: 1 bye, 13 4-way, 24 two-ways 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	51	52	77	15	101		
3	50	53	76	through			
4	59	54	75	38	78		
5	48	55	74				
6	47	56	73				
7	46	57	72				
8	45	58	71				
9	44	59	70				
10	43	60	69				
11	42	61	68				
12	41	62	67				
13	40	63	66				
14	39	64	65				

102 team groupings: 13 4-way, 25 2-ways, 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	51	52	77	14	102		
2	49	54	75	through			
3	48	55	74	38	78		
4	50	53	76				
5	47	56	73				
6	45	58	71				
7	44	59	70				
8	46	57	72				
9	43	60	69				
10	41	62	67				
11	40	63	66				
12	42	61	68				
13	39	64	65				

103 team groupings: 1 bye, 12 4-way, 27 two-ways 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	52	54	75	14	103		
3	49	55	74	through			
4	51	53	76	40	77		
5	50	56	73				
6	48	58	71				
7	45	59	70				
8	47	57	72				
9	46	60	69				
10	44	62	67				
11	41	63	66				
12	43	61	68				
13	42	64	65				

104 team groupings: 12 4-way, 28 2-ways, 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	51	53	76	13	104		
2	52	54	75	through			
3	49	55	74	40	77		
4	50	56	73				
5	47	57	72				
6	48	58	71				
7	45	59	70				
8	46	60	69				
9	43	61	68				
10	44	62	67				
11	41	63	66				
12	42	64	65				

105 team groupings: 1 bye, 11 4-way, 30 two-ways 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	53	54	75	13	105		
3	52	55	74	through			
4	51	56	73	42	76		
5	50	57	72				
6	49	58	71				
7	48	59	70				
8	47	60	69				
9	46	61	68				
10	45	62	67				
11	44	63	66				
12	43	64	65				

106 team groupings: 11 4-way, 31 2-ways, 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	51	55	74	12	106		
2	53	57	72	through			
3	52	56	73	42	76		
4	50	54	75				
5	47	59	70				
6	49	61	68				
7	48	60	69				
8	46	58	71				
9	43	64	65				
10	45	62	67				
11	44	63	66				

107 team groupings: 1 bye, 10 4-way, 33 two-ways 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	49	51	78	12	107		
3	50	52	77	through			
4	47	53	76	44	75		
5	46	56	73				
6	48	54	75				
7	45	55	74				
8	43	57	72				
9	42	60	69				
10	44	58	71				
11	41	59	70				

108 team groupings: 10 4-way, 34 2-ways, 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	50	52	77	11	108		
2	49	51	78	through			
3	48	54	75	44	75		
4	47	53	76				
5	46	56	73				
6	45	55	74				
7	44	58	71				
8	43	57	72				
9	42	60	69				
10	41	59	70				

109 team groupings: 1 bye, 9 4-way, 36 two-ways 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	53	54	75	11	109		
3	52	55	74	through			
4	51	56	73	46	74		
5	50	57	72				
6	49	58	71				
7	48	59	70				
8	47	60	69				
9	46	61	68				
10	45	62	67				

110 team groupings: 9 4-way, 37 2-ways, 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	55	59	70	10	110		
2	53	56	73	through			
3	52	57	72	46	74		
4	54	58	71				
5	51	64	65				
6	49	63	66				
7	48	62	67				
8	50	60	69				
9	47	61	68				

111 team groupings: 1 bye, 8 4-way, 39 two-ways 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
2	49	51	78	10	111		
3	50	52	77	through			
4	47	53	76	48	73		
5	46	56	73				
6	48	54	75				
7	45	55	74				
8	43	57	72				
9	42	60	69				

112 team groupings: 8 4-way, 40 2-ways, 64 survivors

4-ways						2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team		
1	55	60	69	9	112		
2	56	59	70	through			
3	53	58	71	48	73		
4	54	57	72				
5	51	64	65				
6	52	53	66				
7	49	62	67				
8	50	61	68				

113 team groupings: 1 bye, 7 4-way, 42 two-ways 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	57	59	70	9	113	
3	56	58	71	through		
4	55	62	67	50	72	
5	54	63	66			
6	53	60	69			
7	52	64	65			
8	51	61	68			

114 team groupings: 7 4-way, 43 2-ways, 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	55	60	69	8	114	
2	57	59	70	through		
3	56	58	71	50	72	
4	54	64	65			
5	51	63	66			
6	53	61	68			
7	52	62	67			

115 team groupings: 1 bye, 6 4-way, 45 two-ways 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	57	59	70	8	115	
3	58	60	69	through		
4	55	62	67	52	71	
5	54	63	66			
6	56	61	68			
7	53	64	65			

116 team groupings: 6 4-way, 46 2-ways, 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	58	60	77	7	116	
2	57	59	78	through		
3	56	62	75	52	71	
4	55	53	76			
5	54	56	73			
6	53	55	74			

117 team groupings: 1 bye, 5 4-way, 48 two-ways 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	59	60	69	7	117	
3	58	61	68	through		
4	57	62	67	54	70	
5	55	64	65			
6	56	63	66			

118 team groupings: 5 4-way, 49 2-ways, 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	59	60	69	6	118	
2	57	62	67	through		
3	56	63	66	54	70	
4	58	61	68			
5	55	64	65			

119 team groupings: 1 bye, 4 4-way, 51 two-ways 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	60	62	67	6	119	
3	57	61	68	through		
4	59	63	66	56	69	
5	58	64	65			

120 team groupings: 4 4-way, 52 2-ways, 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	59	61	68	5	120	
2	60	62	67	through		
3	57	63	66	56	69	
4	58	64	65			

121 team groupings: 1 bye, 3 4-way, 54 two-ways 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	61	62	67	5	121	
3	60	63	66	through		
4	59	64	65	58	67	

122 team groupings: 3 4-way, 55 2-ways, 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	59	63	66	4	122	
2	61	62	67	through		
3	60	64	65	58	67	

123 team groupings: 1 bye, 2 4-way, 57 two-ways 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
2	62	64	65	4	123	
3	61	63	66	through		
				60	67	

124 team groupings: 2 4-way, 58 2-ways, 64 survivors

4-ways					2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team	
1	62	63	68	3	124	
2	61	64	67	through		
				56	69	

125 team groupings: 1 bye, 1 4-way, 60 two-ways 64 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways Top Seed	Second team
2	62	64	65	3	125
				through	
				61	67
				and	
				63	66

126 team groupings: 1 4-way, 61 2-ways, 64 survivors

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways Top Seed	Second team
1	62	63	65	2	126
				through	
				61	67
				and	
				64	66

127 Team groupings: 1 bye, 63 2-ways, 64 survivors

128 team groupings: 64 2-ways, 64 survivors

### **The Following Groupings for 129-171 teams Reduce to 96 Teams**

**129 team groupings: 1 bye, 31 4-way, 2 2-ways, 96 survivors**

4-ways

Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	2-ways Top Seed	Second team
2	65	68	127	33	129
3	64	69	126	34	128
4	63	67	125		
5	62	66	124		
6	61	72	123		
7	60	73	122		
8	59	71	121		
9	58	70	120		
10	57	76	119		
11	56	77	118		
12	55	75	117		
13	54	74	116		
14	53	80	115		
15	52	81	114		
16	51	79	113		
17	50	78	112		
18	49	84	111		
19	48	85	110		
20	47	83	109		
21	46	82	108		
22	45	88	107		
23	44	89	106		
24	43	87	105		
25	42	86	104		
26	41	92	103		
27	40	93	102		
28	39	91	101		
29	38	90	100		
30	37	96	99		
31	36	94	98		

32	35	95	97		
<b>130 team groupings: 31 4-way, 3 2-ways, 96 survivors</b>					
4-ways				2-ways	
Top Seed	2 <sup>nd</sup> Seed	3 <sup>rd</sup> Seed	4 <sup>th</sup> seed	Top Seed	Second team
1	63	67	127	32	130
2	64	68	126	through	
3	65	69	125	34	128
4	62	66	124		
5	59	71	123		
6	60	72	122		
7	61	69	121		
8	58	70	120		
9	55	75	119		
10	56	76	118		
11	57	73	117		
12	54	74	116		
13	51	79	115		
14	52	80	114		
15	53	77	113		
16	50	78	112		
17	47	83	111		
18	48	84	110		
19	49	81	109		
20	46	82	108		
21	43	87	107		
22	44	88	106		
23	45	85	105		
24	42	86	104		
25	39	91	103		
26	40	92	102		
27	41	89	101		
28	38	90	100		
29	35	95	99		
30	36	96	98		
31	37	94	97		

**For 131-171 use the following principles to determine pairings.**

**Principles for determining Pairings:**

1. Determine the number of each type of grouping: If N is the number of teams actually playing in the round and R the number of teams who played remaining after the round, the number of 4-ways is given by  $A=R-N/2$ . The number of 2-ways is given by  $B=R-3A$ .
2. The top A teams playing are the top seeds in the 4-ways. The next B teams are the top seeds in the 2-ways. The next three groups of A teams play in the 4-ways and the bottom B teams are in the 2-ways.
3. The second seeds in the 4-ways are assigned by the following two rules: the highest seeded second seed is in the group with the lowest seeded top seed provided the two teams come from different finals brackets.
4. The third seeds are assigned by the following rules: the third seed must come from the opposite finals bracket from the top seed and from the opposite semifinals bracket from the second seed. Within those restrictions the highest seed among the third seeds goes in the highest bracket.
5. Rules 3 and 4 may need to be minimally broken.

**For 172-256 teams reductions are to 128 using the above principles.**