Outputs

Subsets of n = 3 are:

1
1 2
1 2 3
1 3
2
2 3
3
Total number of subsets for n = 3 is 8

Subsets of n = 5 are:

1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 5
1 2 4
1 2 4 5
1 2 5
1 3
1 3 4
1 3 4 5
1 3 5
1 4
1 4 5
1 5
2
2 3
2 3 4
2 3 4 5
2 3 5
2 4
2 4 5
2 5
3
3 4
3 4 5
3 5
4

4 5
5
Total number of subsets for n = 5 is 32

Subsets of n = 7 are:

1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
1 2 3 4 5 6 7
1 2 3 4 5 7
1 2 3 4 6
1 2 3 4 6 7
1 2 3 4 7
1 2 3 5
1 2 3 5 6
1 2 3 5 6 7
1 2 3 5 7
1 2 3 6
1 2 3 6 7
1 2 3 7
1 2 4
1 2 4 5
1 2 4 5 6
1 2 4 5 6 7
1 2 4 5 7
1 2 4 6
1 2 4 6 7
1 2 4 7
1 2 5
1 2 5 6
1 2 5 6 7
1 2 5 7
1 2 6
1 2 6 7
1 2 7
1 3
1 3 4
1 3 4 5
1 3 4 5 6
1 3 4 5 6 7

1 3 4 5 7
1 3 4 6
1 3 4 6 7
1 3 4 7
1 3 5
1 3 5 6
1 3 5 6 7
1 3 5 7
1 3 6
1 3 6 7
1 3 7
1 4
1 4 5
1 4 5 6
1 4 5 6 7
1 4 5 7
1 4 6
1 4 6 7
1 4 7
1 5
1 5 6
1 5 6 7
1 5 7
1 6
1 6 7
1 7
2
2 3
2 3 4
2 3 4 5
2 3 4 5 6
2 3 4 5 6 7
2 3 4 5 7
2 3 4 6
2 3 4 6 7
2 3 4 7
2 3 5
2 3 5 6
2 3 5 6 7
2 3 5 7
2 3 6
2 3 6 7
2 3 7
2 4

2 4 5
2 4 5 6
2 4 5 6 7
2 4 5 7
2 4 6
2 4 6 7
2 4 7
2 5
2 5 6
2 5 6 7
2 5 7
2 6
2 6 7
2 7
3
3 4
3 4 5
3 4 5 6
3 4 5 6 7
3 4 5 7
3 4 6
3 4 6 7
3 4 7
3 5
3 5 6
3 5 6 7
3 5 7
3 6
3 6 7
3 7
4
4 5
4 5 6
4 5 6 7
4 5 7
4 6
4 6 7
4 7
5
5 6
5 6 7
5 7
6
6 7

7
Total number of subsets for n = 7 is 128