

Output

For n=1

Total number of ways for n=1 is 1

[[1]]

For n=2

Total number of ways for n=2 is 2

[[1, 1], [2]]

For n=3

Total number of ways for n=3 is 3

[[1, 1, 1], [1, 2], [3]]

For n=4

Total number of ways for n=4 is 4

[[1, 1, 1, 1], [1, 1, 2], [2, 2], [1, 3]]

For n=5

Total number of ways n=5 is 5

[[1, 1, 1, 1, 1], [1, 1, 1, 2], [1, 2, 2], [1, 1, 3], [2, 3]]