

```
Order 2 Catalan number = 2
Order 3 Catalan number = 5
Order 4 Catalan number = 14
Order 5 Catalan number = 42
Order 6 Catalan number = 132
Order 7 Catalan number = 429
Order 8 Catalan number = 1430
Order 9 Catalan number = 4862
Order 10 Catalan number = 16796
Order 11 Catalan number = 58786
Order 12 Catalan number = 208012
Order 13 Catalan number = 742900
Order 14 Catalan number = 2674440
Order 15 Catalan number = 9694845
```

```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
1 6 15 20 15 6 1
1 7 21 35 35 21 7 1
1 8 28 56 70 56 28 8 1
1 9 36 84 126 126 84 36 9 1
```