```
(venv) MacBook-Air:Module6 edwardnardo$ python catalan.py
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
(venv) MacBook-Air:Module6 edwardnardo$
```

```
(venv) MacBook-Air:Module6 edwardnardo$ python pascal.py
[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]
(venv) MacBook-Air:Module6 edwardnardo$ ☐
```

Pascal (4,0) 7 K=0 + best case + reform posal (4,1) -> poscal (3,0) + poscol (3,1) poscol (2,0) + poscol (2.1) poscol (1,0) + poral (1,1) Poscul (4,2) 7 poscul (3,1) + poscul (3,2) Possel(4,3) = possel(3,2) + possel(2,2) -1 Poscol (1,0) + poscal(1,1) +1 poscal (4,4) = baselose -> return [] : [1,4,6,4,1]