



| Value of n | Stack frames explained using n | Number of stack frames needed |
|------------|--------------------------------|-------------------------------|
| 0 | 0 | 1 |
| 1 | 1, 0 | 2 |
| 2 | 2, 1, 0 | 3 |
| 3 | 3, 2, 1, 0 | 4 |
| 4 | 4, 2, 1, 0 | 4 |
| 5 | 5, 4, 2, 1, 0 | 5 |
| 6 | 6, 3, 2, 1, 0 | 5 |
| 7 | 7, 6, 3, 2, 1, 0 | 6 |
| 8 | 8, 4, 2, 1, 0 | 5 |
| 9 | 9, 8, 4, 2, 1, 0 | 6 |
| 10 | 10, 5, 4, 2, 1, 0 | 6 |
| 11 | 11, 10, 5, 4, 2, 1, 0 | 7 |
| 12 | 12, 6, 3, 2, 1, 0 | 6 |