1. 56

Answers:

1. O(n^2)
2. O(n)
3. O(1)
4. O(2^n)
5. O(log n)

is faster than

|  |  |  |
| --- | --- | --- |
| N | Sum | Hmmm… |
| 1 | 1 |  |
| 2 | 3 | 2+1+0->2+(sum(1)) |
| 3 | 6 | 3+2+1+0->3+sum(2) |
| 4 | 10 |  |
| 5 | 15 |  |
| 6 | 21 |  |