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&
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1.
int sum = 0, n;
                                                                C1: 1
cin >> n;
                                                                C2: 1
for (int i = n; i > 0; i -= 1)
                                                                C3:(n+1)
                                                               C4: (i+1), \sum_{i=0}^{n-1} (i+1) = 1 + ... + (n) = \frac{n(n+1)}{2}
C5: i, \sum_{i=0}^{n-1} (i) = 0 + 1 + ... + (n-1) = \frac{n(n-1)}{2}
        for (int j = 0; j < i; j++)
                sum++;
return sum;
                                                                C6: 1
T(n) = 1 + 1 + n+1 + \frac{n(n+1)}{2} + \frac{n(n-1)}{2} + 1 = n^2 + n + 4
2.
float an(n) {
        float s = 1;
                                                                C1: 1
        for (int i = 0; i < n; i++) {
                                                               C2: n+1
                float a = 1;
                                                                C3: n
                                                               C4: i+2, \sum_{i=0}^{n} (i+2) = 2 + ... + (n+2) + (1-1)
                for (int j = 0; j \le i; j++) {
                                                               =\frac{n(n+3)}{2}-1
                                                               C5: i+1, \sum_{i=0}^{n} (i+1) = 1+...+(n+1) = \frac{n(n+2)}{2}
                a = a * 2*(j+1)/(2*j+5);
                                                                C6: i+1, \sum_{i=0}^{n} (i+1) = 1+...+ (n+1) = \frac{n(n+2)}{2}
                      s += a;
        }
                                                                C7: 1
        return s;
```

T(n) = 1 + n+1 + n +  $\frac{n(n+3)}{2}$  - 1 +  $\frac{n(n+2)}{2}$  \* 2 + 1 = 2n + 2 +  $\frac{2n(n+5)}{2}$  = n<sup>2</sup> + 7n + 2