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1. O(N2)
   1. It is N2 because it is N times for the for loop in main and N times in the for loop in fun() so N \* N = N2
2. O(N2)
   1. I got N2 because looks like the square example we did in class were half the square is being filled up but because we don’t count the “2” denominator then it becomes N \* N = N2
3. O(N22N)
   1. I got this from the two N’s from the two for loops and the 2N from i<fun(N) because it returns z which is just 2N so 2N \* N2
4. O(N2)
   1. I got N/2 from fun() but because we don’t care about the 2, I just have N; then I multiplied it by the N from main() so N \* N = N2
5. O(Nlog(N))
   1. I got log(N) from fun() because of the i\*=2 and I got N from the for loop in main so N \* log(N) = Nlog(N)