

<u>Code:</u>	<u>Frequency Count:</u>
input n	1
total1 = 0	1
for (i = 1; i < n; i++) {	(1, n, n-1)
input aNumber	n-1
if (aNumber > 0) {	n-1
total1 = total1 + 1	n-1
}	
total2 = 0	n-1
for (j = i; j <= n; j++) {	(n-1, ((n(n+1))/2)+n-2, ((n(n+1))/2)-2)
total2 = total2 + j	((n(n+1))/2)-2
}	
output total2	n-1
}	
output total1	1

The worst case time complexity is:

$$1.5n^2 + 10.5n - 9$$

The running time is $O(n^2)$ for $n \geq 21$, given $c=2$.