

Sum - 1st 1:

$[1, 2, 3 \dots n]$
(
 $1 + [2, 3, 4 \dots n]$
 $1 + 2 + [3, 4 \dots n]$

N levels

$1st[1:] \in O(n)$

$O(n^2)$

Sum - 1st 2:

$[1, 2, 3 \dots n]$
 $1 + [1, 2, 3 \dots n]$
 $1 + 2 + [1, 2, 3 \dots n]$

N levels

$O(n)$

$O(1)$