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for
$$i=1:n$$
 _____ C_1
for $j=1:n$ _____ $C_2 \cdot n$
for $j=1:n$ _____ S_1
 $n=n+1;$ _____ S_2
 $i=1$
 $i=1$
 $i=1$

$$\frac{1}{1} \qquad T(n) = C_1 + C_2 \cdot n + \sum_{i=1}^{n} 1 + \sum_{j=1}^{n} \sum_{j=1}^{n} 1$$

$$= n + \sum_{i=1}^{n} n$$

 $-n+n^2$

Here dominant is n2, therefore runtime is O(n2)