Horar

Quiz 5 519

I will now Sind the runtime of the inper loop:

i+k≤n-i k≤n-2i

7

1

0

9

R

0

P

1

0

0

T

P

P

0

0

n-2i $1 + \sum_{j=1}^{n-2i} (1+2+1) = 1 + \sum_{j=1}^{n-2i} 4$ = 1 + 4(n-2i) = 1 + 4n-8i

Outer loop:

i will be initialized at I (which will take I stop advide at the loop);

i = iH = 2 steps

The rest of the steps will be from the inner loop.

I will now find the notine of the outer loop:

1+1c = n k=n-1