8n2+30n+29

= 8n2+30n +29 EO(n2)

 $\lim_{n\to\infty} \frac{8n^2+30n+29}{n^2} = \lim_{n\to\infty} \frac{8n^2}{n^2} = 8 \ge 0$

Pseudocode: Lawnmower Algorithm

CPSC 335-03 - Programming Assignment #1
The alternating disks problem: left-to-right algorithm
Enter the number of single color disks (light or dark)
4
Initial configuration
List of disks
d l d l d l d l
After moving darker ones to the right
List of disks
l l l l d d d d
Number of swaps is 10
Press any key to continue . . .

CPSC 335-x - Programming Assignment #1
The alternating disks problem: lawnmower algorithm
Enter the number of single color disks (light or dark)

Initial configuration
List of disks
d l d l d l

After moving darker ones to the right
List of disks
l l l d d d

Number of swaps is 6

Press any key to continue . . .