

$$\begin{cases}
(n) = 4n - 5 & \text{e'} O(n^2)? \\
4n - 5 < \text{c.} n^2 & \text{m.} n_0
\end{cases}$$

$$\frac{4n - 5}{n^2} < C \qquad 1 \qquad \frac{4 - 5}{1} = -1$$

$$\frac{4n - 5}{n^2} < \frac{4}{9} = \frac{3}{4}$$

$$\frac{12 - 5}{9} = \frac{4}{9}$$

$$4n - 5 < O(n^2)? \qquad c_{1, 0} > 0$$

$$c_{1} n^2 < 4n - 5 < O(n^2)? \qquad c_{1, 0} > 0$$

$$c_{1} n^2 < 4n - 5 < O(n^2)? \qquad c_{1, 0} > 0$$

$$c_{1} n^2 < 4n - 5 < O(n^2)? \qquad c_{1, 0} > 0$$

$$c_{1}n^{2} \le 4m-5$$
 $c_{1} \le \frac{4n-5}{n^{2}}$ 
 $f_{1} = \frac{4n-5}{n^{2}}$ 
 $f_{2} = \frac{4n-5}{n^{2}}$ 
 $f_{3} = \frac{4n-5}{n^{2}}$ 
 $f_{3} = \frac{4n-5}{n^{2}}$