Time complexity order of magnitude of a statement.

Some complexity order of magnitude of a statement.

$$\frac{\text{main}()}{\text{2xample 1}}: \frac{\text{constant-(Not dependent on } n)}{\text{2xample 1}} \xrightarrow{\text{2xample 1}} 0 \xrightarrow{\text{3xymptotic Notations}} \frac{\text{Notations}}{\text{4xample 1}}$$

main()  $x = y + z \qquad \underline{0} \qquad \underline{i < m}$ 

time

Example 
$$\geq$$
:

$$\frac{f_0 x \text{ i in } \text{ range}(0, m)}{\text{xey + z}} = \frac{1}{1 + 0} = \frac{1}{1 + 0} = \frac{1}{1 + 0}$$

$$\frac{\chi_{\text{end}}}{\chi_{\text{end}}} = \frac{1}{1 + 0} = \frac{1}$$

$$M = 100000$$
  $\longrightarrow 0(n)$ 

Example 3: 
$$\frac{main()}{x = y + z}$$
 $\frac{1 + n + n^2}{y}$ 
 $\frac{1 + n + n^2}$ 

$$i=0$$
 $J=0$ 
 $J=1$ 
 $J=2$ 
 $J=0$ 
 $J=1$ 
 $J=2$ 
 $J=0$ 
 $J=1$ 
 $J=2$ 
 $J=1$ 
 $J=2$ 
 $J=1$ 
 $J=2$ 
 $J=1$ 
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 $J=1$ 
 $J=2$