

Counting Steps

n $n+3$
 $5n + 231n$

- Accessing / resetting variables / fields / in array

$x = 5$
 $y = t$ 4
 $m[3]$

$x = f(p)$



- Math addition / subtraction / mult / div / %

$x = 5 + 17$

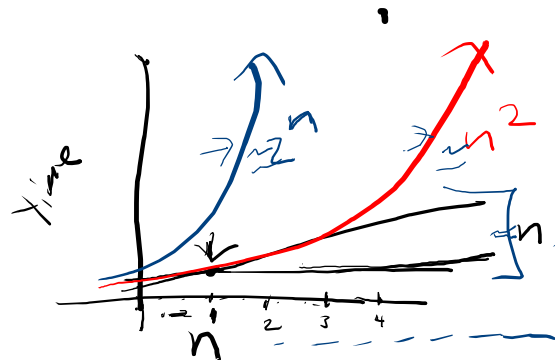
• file layout

array 1 or 2
 size 4
 mem 2x100

LOOPS

for (init; condition; increment)
 {
 body
 }
 if (condition) {
 body
 }

$=$
 $>$
 $>=$



$O(n)$
 $\rightarrow n/3$

∞

Asymptotic behavior
 complexity classes

$\rightarrow O(f(n))$
 $\rightarrow \Omega(f(n))$
 $\rightarrow \Theta(f(n))$