



↪ [ ' | | ( , > , | ]

$\text{int}^* v = \underbrace{(\text{int}^*)}_{\text{OK}} \underbrace{\text{malloc}}_{\text{memory allocate}} / \underbrace{n}_{\text{allocate}} * \underbrace{\text{sizeof}(\text{int})}_{\text{sizeof elem (0...n-1)}}$

↓  
 pointer  
 spre zona  
 de memorie  
 alocata dinamic

matrice

$\text{int}^{**} a;$   
 $*(v+0) \dots *(v+2)+1$

• $v+0$				
• $v+1$				
• $v+2$				
• $\vdots$				

$a[0][1]$   
 $a[0][2]$

$a = \{ \begin{matrix} x_1 & x_2 & x_3 \\ \parallel & \parallel & \parallel \\ \{1, 2, 3\} & \{4, 5, 6\} & \{7, 8, 9\} \end{matrix} \}$