Address of 1st element `x` ⟷ (equivalent) `&x[0]`

↓ **dereference the address** ↓

1st element `*x` ⟷ (equivalent) `*(&x[0])` ⟷ `x[0]`

Address of 2nd element `x+1` ⟷ (equivalent) `&x[1]`

↓ **dereference the address** ↓

2nd element `*(x+1)` ⟷ (equivalent) `*(&x[1])` ⟷ `x[1]`

Address of (i+1)th element `x+i` ⟷ (equivalent) `&x[i]`

↓ **dereference the address** ↓

(i+1)th element `*(x+i)` ⟷ (equivalent) `*(&x[i])` ⟷ `x[i]`