Ener cise: Write a fantion to reverse a vector. void reverse (vector < int) & V) 5:20 t n = V. size(); VEOJ (-) V(n-1) for (5:20 t = 0; 121/2; 1++){ VC13 (-2) // swap vc:] => vcn: -i) VC:3 <>V[n-i-i] in temp = VCiJ; VE: 3 = VEN-1-13; V(n-1-1) = tenp; Usage: int min () vector < int > V = {2,4,6,8,103; reverse (V); // Now V = { (0, 8, 6, 4, 2) NCO) NAR NCS)

Exuple: Binary search.

bool search (const vector/int) & V, int x)

{ // is x & V? answer \(\sigma \text{log}_2 \text{ n steps} \)

// Note: V must be sorted!

int mid = V. site (1/2;

if (x < V[mid])

// search V[o]... mid-1]

else if (x > V[mid])

// search V[mid+1,... v.site(1-1])

else

Veturn true;