int f (in+ x, double y) formal parameters return type main () { int a; double bj flab) actual pur meters Cint & Cint x D { - Sunction header. int & (int x) ; < function paratity pe vedor (: 1) V = {1,2,3,4,5}; ; [10] A tri Vector (:nt) V (A+5, A+10);

```
type is intx.
Reneaber:
  cout << ACij; = cout << *(A+i)
         > (x & thi) 7 high
               X = --- '/
          \{(x \times thi) \neq Lev
                *X ----
    14 23 28 34 42 59 72
   N, \frac{n}{2}, \frac{n}{4}, \frac{n}{8} - \frac{n}{2}
    n=2" when le = (052 n.
  book binary Search (vector Zint) & V, int X,
                   int low, int high) {
      while (low 2= high) {
          int mid = (low thigh)/2;
          if(x < V[mid])
             hish = mid-1;
         else if (V[mil] < X)
```

low = mid + 1; else return true; return Palse; to call it! vector (int) V; : 1/ put state in V if (binary Search (V, 5,0, V. Size()-1)) Cout << "found S in V";