```
SHUBHAM GIVPTA
                     1807~
                theo-ass 1
pseudocodi
 98 (A, m) {
      t (m) log m+1] {
for (i=1), m-1) {
            * [in][o] = i
       for (i=1, log, m)
           for ( =0, m-2
                a \in t[j][i-1]

b \in t[j+2^{i-1}][j-1]
                 W (ACM a) 7 A(b)
                 } else y (A(a] ≤ A(b]) {.

t(j)(i] ← b;
        retur to
98-l(A,n) {
l = 0, R = m-1
      while ( LCL) {
            nid = 1+1
            M (A (nid) >= n) {

rece midig
            3 else {
                 lt nid +1,
     retur h;
```

98-u(A,n) } lto, remwhile (& x) { mid = lth 4 (AC mid) > n) 2. N + mid retur x. algorith: - we will first sort A and the story unique values in B and frequency of earth angled value in C we define furis for upper + lover bond for orray, way them we can find the not of elevents on A b/w (a, b) now we oreste a 20 notion, notion elevent (i)(i) story wider of marion occurry elevent from now first indices such that B(1) 2 a & B(j) & b tis coplenty: -> on tis -> O(n log n)