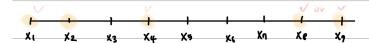
(이분탐색 >

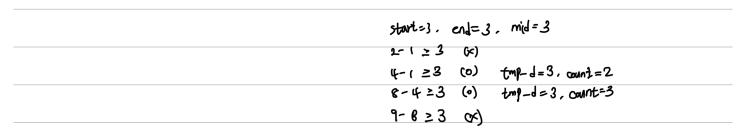
1. 공위기 설시



स्त्री प्राथ नाम महार वार्षा राष्ट्र

अंधा ~ अंधा अभाग स्थाप भा

```
1 import sys
                                                          n=5, c=3
  2 n, c = map(int, sys.stdin.readline().split())
  3 house = []
                                                          house = [ 1, 2, 4, 8,9]
  4 for i in range(n):
       house.append(int(sys.stdin.readline()))
  6 house.sort()
  8 \text{ start, end} = 1, \text{ house}[-1] - \text{house}[0]
                                                         start=1, end: 9-1=8
 9 ans = 0
 11 while start <= end:
                                                         0 mid = 4, cum-router = 1
_12
       mid = (start + end) // 2
       tmp_d = 1000000000
 13
                                                           2-1 24 (X)
       count = 1
 14
       curr_router = house[0]
 15
                                                           4-1-24 (X)
 16
                                                           8-1 \ge 4 (o) tmp_d = 7 count= 2
 17
        for i in range(1, n):
                                                           9-8 2 4 (X)
 18
           if house[i] - curr_router >= mid:
 19
               tmp_d = min(house[i]-curr_router, tmp_d)
 20
               count += 1
 21
               curr_router = house[i]
                                                                                                     Χe
                                                               X2
                                                                                                           X1
                                                                            X4
 22
 23
        if count >= c:
           start = mid + 1
 25
           ans = max(ans, tmp_d)
                                                         @ start=1, end=3, mid=2
 26
       else:
27
           end = mid - 1
                                                            2-122 (x)
 28
                                                            4-122 (0)
                                                                             tmp-d=3, count=2
__29 print(ans)
                                                            8-4 = 2 (0)
                                                                              tmg-d=3, count=3
                                                            9-82200
                                                                                                     Χe
                                                                             Хţ
```



$A = \begin{bmatrix} \begin{bmatrix} 1 & 2 & 3 \end{bmatrix} \end{bmatrix} \rightarrow B = \begin{bmatrix} 1 & 2 & 3 & 2 & 4 & 6 & 86 & 9 \end{bmatrix}$ $\begin{bmatrix} 2 & 4 & 6 & 3 \\ \begin{bmatrix} 3 & 6 & 9 \end{bmatrix} \end{bmatrix} \qquad B[\Pi] = 6$	
/ Co] = Co] Co]	1234
2 [1] = [0][1]	1 4 6 8
3 [2]=[0][2] nxi < x < nx (1+1)	36912
2 C7J = LIJCOJ	4 8 12 16
4 64] = [1][1]	
6 [5]=[(J[2]	
3 (1) = L21 C-]	
(3K2) = [2][1]	
9 [8]=[1][2]	

```
2. KUM44
                         임의의 수 오 보다 작가나 같은 우의 개수
          2
                          0=42247
                      (O) 4/1 > 47=3 > 3
                          4/2 >2
                                       > 1
                          4/3 > 1
B=[ 12233(4)669]
  1 n = int(input())
  2 k = int(input())
  3 start, end = 1, n*n
                           n=3 K=1
  5 while start<= end:</pre>
                                                       [ 1 2 2 3 3
                          1 start=1, end=9, mid=5
    mid = (start+end) // 2
    cnt = 0
                             cn= + = min (5/1,3)
                                                   ∴ 3
    for i in range(1, n+1):
  9
                             CAt + = min (5/12,3)
 10
     cnt += \min(\min//i,n)
                                                   ∴ 3+2=5
 11
 12
    if cnt >= k:
                              cnt + win (5/3,3)
                                                   : 3+2+1= G
 13
       end = mid - 1
 14
     else:
                          6 <7 : start : 6
 15
       start = mid + 1
 16
 17 print(start)
                          @start=6, end=9, mid=7 [ 1 2 2 3 3 4 6 6 9]
                             cnt + = min(1/1, 3) : 3
                             (At + = min (7/12/3) : 3+3=6
                             CAt += min (1/13,3) .. 3+3+2=8
                            8>7: end:6
                                                      [ 1 2 2 3 3 4 6 6 9]
                          3) start=6, end=6. mid=6
                             cnt + = min (61/1, 3)
                                                    ∴ 3
                              (At + = min(6112,3)
                                                   · 3+3 = 6
                              cut += min (6/13,3)
                                                    · 2+3+2=8
                            8>7: end:5
```