734 D Anton & Chess 1 Venticals (2, y+s) y' = JR19 JK if y'<0 (21,y) - piece us un Vy (n+y-s) - prece is in 1/2 2 Horizontals n' = uRIg- NK (n+8, y) if n'<0 - piece unty else priece un H2 3 Diagonals · (x-s, y+s) m= JBIB-JK (n+8, y+8) NBIG-NE - piece in Dy (x+8, y-8) (n-s,y-s) if no1g-2k <0 piece in D12 else piece in DII if m== -1 piece in D2 uf 2818-28<0 - piece in Dzz - piece un D27

Algorithm

- Tou each given point, classify it into belonging to either V_1 , V_2 , H_1 , H_2 , D_{11} , D_{12} , D_{21} , D_{22} .
- 2) Sout all the container Vy, V2.... D22
- 3 If first piece of any of the container is eligible to check the king , print yes else no.

Time Complexity
0 (n+8 log m+8) → Em=n = 0(n)

Implementation

It you are go

with whole many

for each piece in pieces

if ! (Mpiece = = 2 ping 11 ypiece = = 4 king 11 aus (4p-4x)

continue;

if (repiece = = reling) }

if (repiece > reling)

if (repiece > reling)

S[1]. insert (make - pair (recent piece));

else S[2]. unsert (make-pair (upiece, ypiece))