N scases

M lotuses

Coordinates - 71.19

some each laws made.

TOUX - Separate value a sucres.

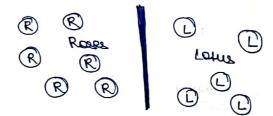
1

resurving a line of contain thickness

is betw.

the thickness.

D'agranatically.



Groat - deraw line with man possible thickness.

Input

I - no of test cases

en: Say T= 2.

description of 2 test cases is as follows:

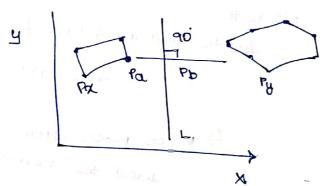
example input

23-1000

-1 2 2 0 4 3 -10 0 0 2 3 -1 3 1 3 0 5 Output for this will be we have or siones e H po lotus in a 2D Space let us foir did the convex hull for each of these points. So we have convex hull A e convex hull B. Now if A has non-zono associa of intersection with B

we cannot draw any line

Diff cases we can consider:



Now PazPb asset the a closent points

es the thickness of the sine will be

Pb-Pa.

Now if we consider Pare Py
the

tricknose of the line will be for by - Pox tren any pr

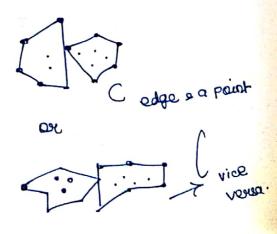
like Ry. Pb

C will be viside our trick eine

ner Polisiko

Other cases :

closest lature
to the
convex hull of
succes
e
vice yours.



The approach

will be to

died the minimum distance few each of

calculate the hinkowski Sum of ASB.

Ago for winkowski sums

I/P: contex polygon

- الخراحا ١٠
  - 2. VAH = VI; COMH = WI
- 3. Repeat
- 1. Add VITWI as veryex to POR
- i=iH

u. Until i=n+2 j=w+1

finds the angular internal for each edge of each polygon.