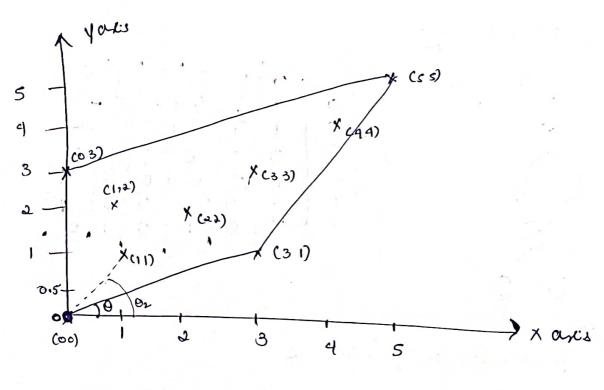
(5) Convix hull:

-) It is the smallest convex polygion containing all the given points.

Example:

plot it



Trucing Algorithm:

- (a) Select le Smallest y-coordinate point. (0,0)
- (6) Sort the points according to the augh (0) (seous in for) relative to the bottom most point of x axist (step (S)

3) Sorted live:

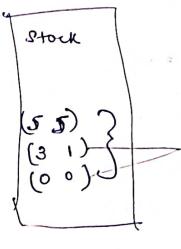
(00) (31) (11) (22) (33) (44) (55) (12) (03)

(c) Iterate the sorted order.

7 & it makes a anti-clockwise turn relative to the previous a points on the stack

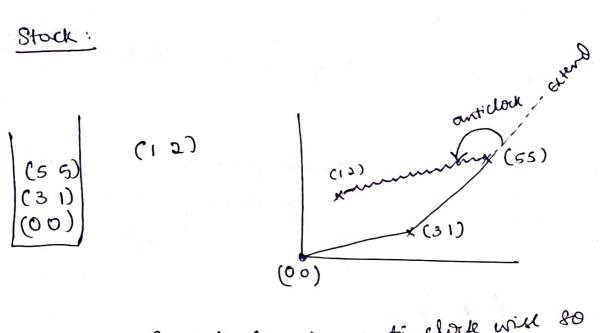
=) push into the stock.

-) If it mokers clock wise angle 3) pop from the stock.



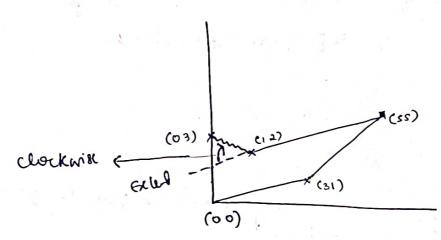
snitally push a points from the sorted ordu.

truste (11) (22) (3,3) (44) (55) Since all these points are co-liner, pick the forthest co-linear point & place On the stock.



(1,2) is forming anti-clock will so put it on the stock.

consider next point (03)



Since (0,3) is forming clock-wise turn, popour element from stock.

Since (0,3) is forming anti-dockwish turn. push it into

completed sorted elements tracing.

| 03 | S | S | Conveyed Hull |

fine complexity:

[-fotal time] = [sort all] + [troval coch point to either purh/pop into stock