Polygons are clarified into two:

2) conven

2) concone

I dentifying concau polygons:

· calculating cross products of succession pairs of edges.

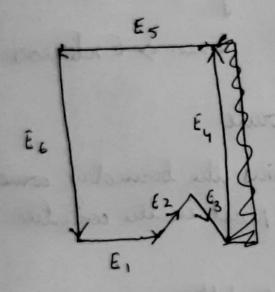
edges con test for concauty. All such vectors will be aftherome right.

· Look at the polygon verten pointions relation to entension him of any edge.

If some vertices are one side of the entention his and some vertices on the other side, the polygon is concoure.

2. Two different meltiods are:
) Vector method

If any crow product has any -me z, we con specify it along the live of first edge vector in crow product.



E1 = (1,0,0) EZ = (1,10)E3 = (1,-1,0) EL = (0,2,0)E5 = (-3,0,0) E6 = (0,-2,0)

2) Rotalional method

- · We rotate the polygon about the origin clockwing such that new verten V_{K+1} is on n onis
 - · If Vx+2 is below n onis, the polygonis
- · We then split the polygon along nais to form a polygons and perform concountent.

- We we the following rules: / odd - even rule
 - · Prow a live from any point p' to o' distort point outside the co-ordinate entered
 - Then count the no: of lines crossed;
 - Odd => Interior Even => Enterior
 - a) Non zero winding rule
 - count the no: of times the boundry winds around a pirticular point in the counter clock wure

 - · add 1 for right to left . Sabilrad 1 for left to right
 - If the result is non zero enterios if the or - ne.