## Sutherland - Hodgman Algorithm:

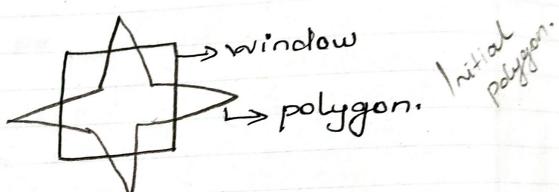
I's used for clipping polygons.

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In this algorithm, all the vertice

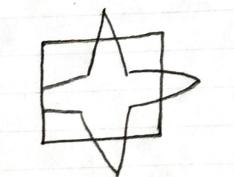
of the polygon are clipped against

each edge of the clipping Window.

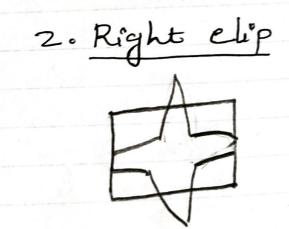


Steps for polygon clipping:

1. Legt elip



3. Top clip

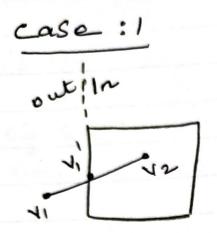


4. Bottom clip





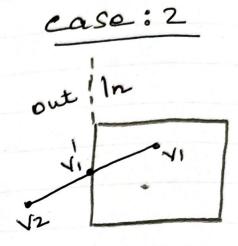
## Follow 4 casas:



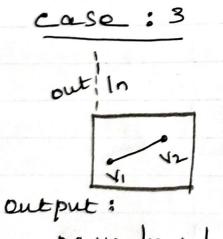
output:

Move out > in years

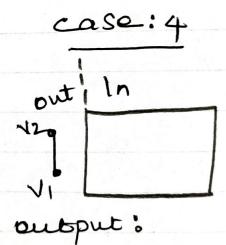
(Vi' V2) was



output:
move In > out
(vi')



Move In-s In

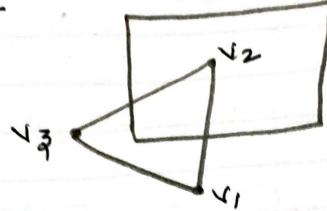


Move out - out

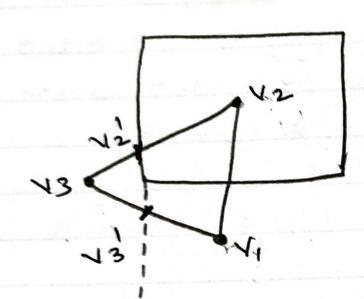
No read to Longider any points.



## Exeample:



case 1: Legt clip.



 $V_1 V_2 - |n \rightarrow |n \rightarrow V_2|$   $V_2 V_3 - |n \rightarrow out \rightarrow |n \rightarrow V_3|$   $V_3 V_1 - out \rightarrow |n \rightarrow V_3| V_1$ 

