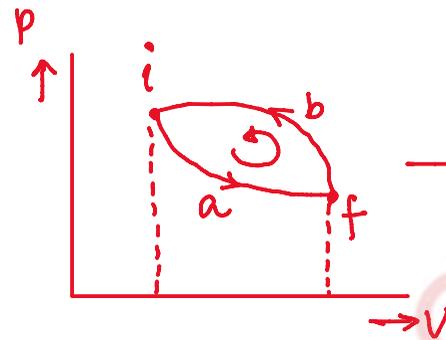


following clockwise path,
work is +ive i.e work
is done by the system.



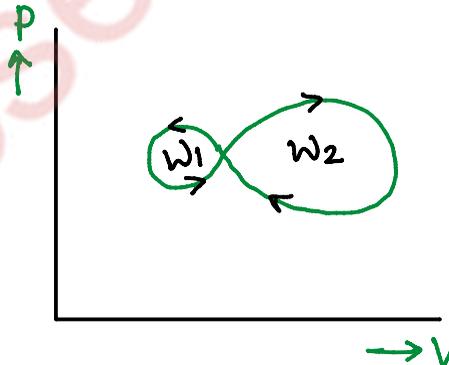
$$\rightarrow W_{iaf} = +ive, W_{fbi} = -ive$$

$$W_{total} = W_{iaf} + W_{fbi}$$

$$W_{total} = -ive$$

So, if V is along x -axis and P is along y -axis
and cyclic process is following anticlock-
wise, then $W = -ive$ i.e work is done on
the system.

Ex:



$$W_1 = -ive \text{ and smaller}$$

$$W_2 = +ive \text{ and larger}$$

$$W_{total} = W_1 + W_2$$

$$= +ive$$

work is done by the system

⑥