

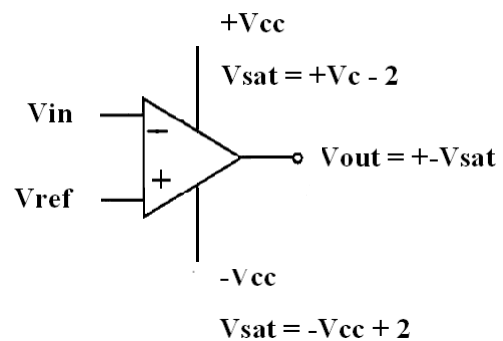
$$V_{out} = A(v^+ - v^-) = +- V_{sat}$$

$$\text{If } v_{in} > v_{ref} \text{ then } V_{out} = +V_{sat}$$

$$\text{If } v_{ref} > v_{in} \text{ then } V_{out} = -V_{sat}$$

$$\text{If } v_{in} < v_{ref} \text{ then } V_{out} = -V_{sat}$$

$$\text{If } v_{ref} < v_{in} \text{ then } V_{out} = +V_{sat}$$



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