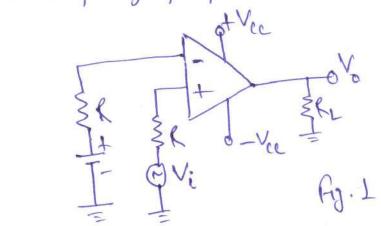
Comparator:

w) A comparate compares a voltage signal applied to one input of the op-amp with a known voltage, called reference voltage applied at the other input.

In the simplest form, the comparator consist of an open open loop.

An this configuration op-amp produces one of the two eatmation voltages, namely, postile a negative at the output of apamp.



on Fig I shows an ap-any configured for one as a mon-inverting comparator.

input and a time varying signal vi is applied to (-)
to (+) input.

When the non-invering input Vi is Less than the seperence voltage Usey, the output voltage V, is at - Vset ≈ -VEE.

- wi When Vi greater than Virey, the output voltage Vo 11 at + Visat = + Vice
- Thus the subject vo changes from one saturation level to another depending on the voltage difference between vi and Viet

When of the comparator when Vef is postive and megative respective.

