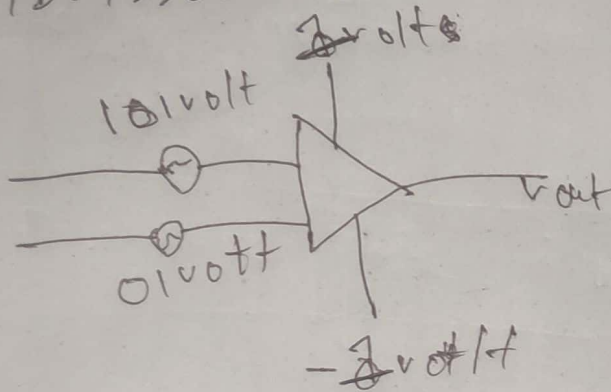


Ans - 1

ID: 193002101



Here,

$$x = 01$$

$$y = 00$$

-ve	+ve
10re	01vdt

Ans:



Ans-2

$$ID = 193002101$$

$$x = 0.1$$

$$y = 0$$

$$x_x = 0.1 \text{ km}$$

$$\text{and, } x_y = 10 \text{ km}$$

we know,

$$v_o = -R_c \frac{dv_i}{dt}$$

$$= -R_c (10 \times 10^3) \times (0.01 \times 10^{-6})$$

Ans: