

ABCDA ABEFGDA: Vin-VL2-VC2 = 0 (05)

AVLZ = Vin-VCZ

HGFH Vout - VC1 +VC2=0 Yout = VC1 - VC2

SI, SZ OFF for [DTS, TS] C2. ay \$0N

Vin - V12 = 0 (0.5) (T ABEDA: VL2 = Vin

Vin x 07/5 + (Vin - VC,) (1-D)//5 = 0 Vin D + Vin (1-D) -VC1(1-D)=0

$$V_0 = V_0 = V_0$$
 $V_0 = V_0 = V_0$
 $V_0 = V_0 = V_0$

Vout = VG-VC2

Vout = 0-(1-D) x Vin D(1-D)

$$(Vin - Vc_2)DTS + (Vin)(1-D)TS = 0$$

$$(Vin - Vc_2)DTS + (Vin)(1-D)TS = 0$$

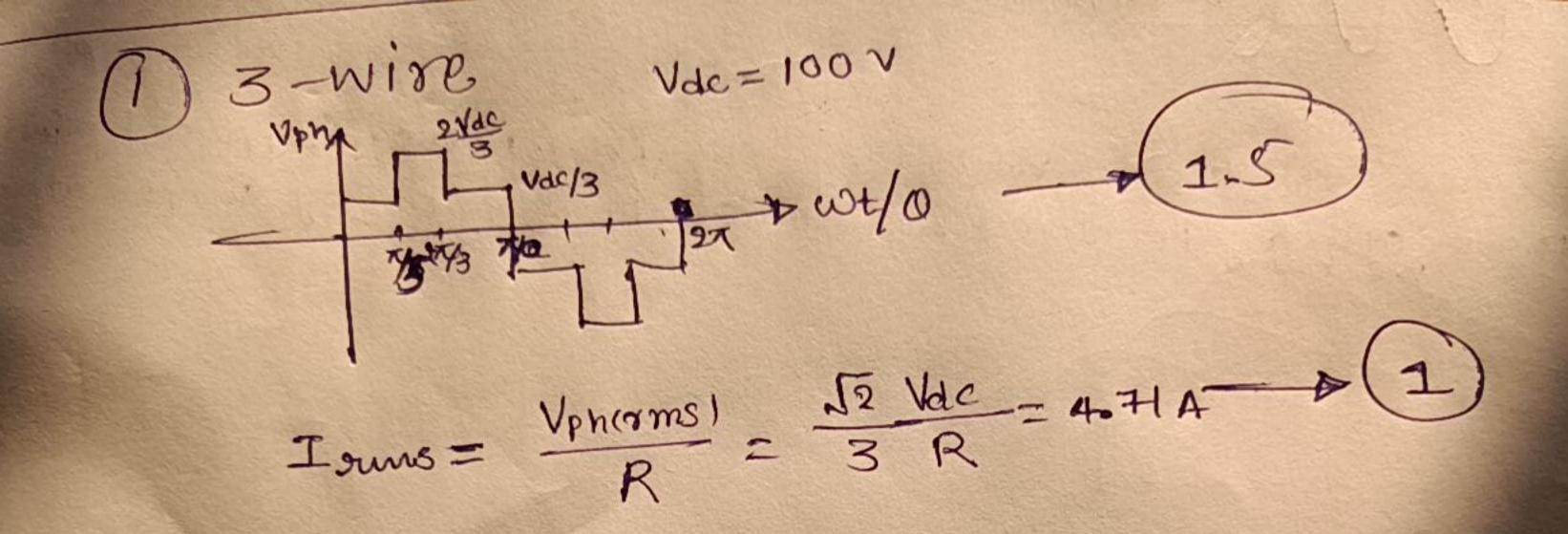
$$VinD - Vc_2D + Vin - VinD = 0$$

$$Vin = Vc_2D$$

$$Vin = Vc_2D$$

$$Vc_2 = Vin$$

$$Vc_2 = Vin$$



Isoms =
$$\frac{Van(rms)}{R} = \frac{Vde}{2R} = 5A \rightarrow 1$$