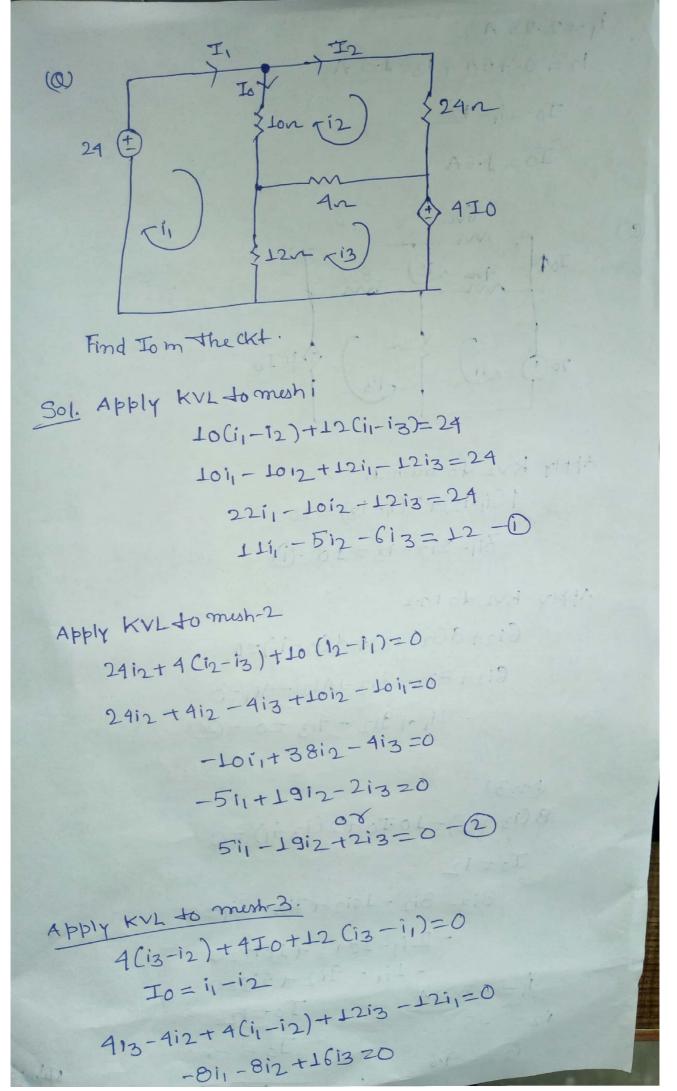
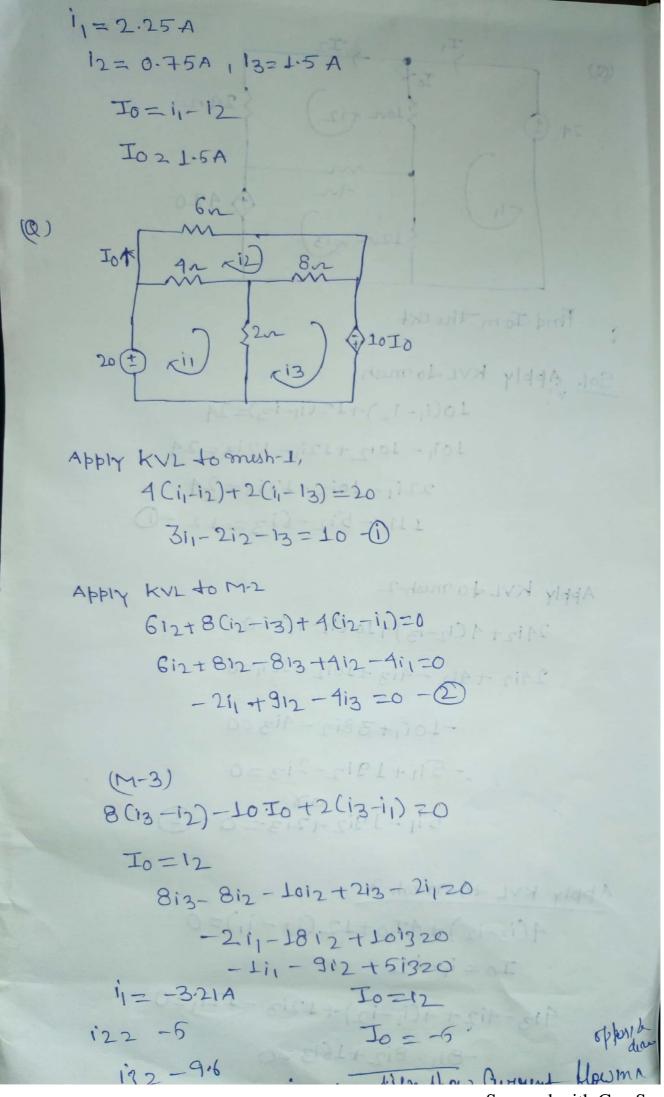
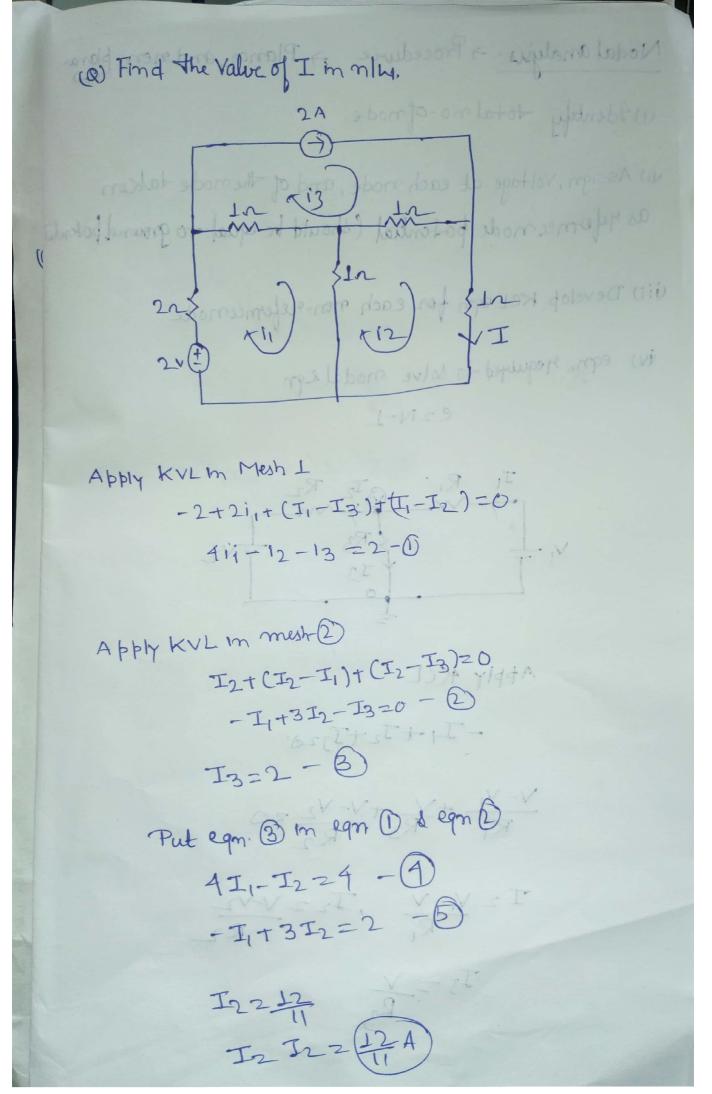


(a) calculate the mesh Cuyyent I, and Iz in the CK Shown in figure Sol. Applying KVL to mush-I 211+12(11-12)+411=12 21/ + 121/-1212 + 41/212 181,-1212=12 Applying KVL to mush 2 912+8+312+12(i2-11)=0 -121/+2412=-8 -2 11-2, 12=0A





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Nodal analysis. -> Procedure -> Planar and non-plana i) Identify total no-of mode ii) Assign, Voltage at each mode, and of the mode taken as referne node potential (should be equal to ground potente (iii) Develop KCL egn for each non-refermemode iv) egn, required to bolve modal egn C2N-L Apply KVE M MUNI Apply KUL IN MISSER S Apply KCL DICIT - TO + CL V-V1 + V + V-V2 20
R1 R3 + R2 I2 VI-V , I22 V-V2

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Tay R Tyx
Vx Ixy=Vx-Vy, Ixxz Vy-Vx
R enter Vx R +- Txy -Voe+IxR+E+ VY=0 Tacy= (Vx-My)-E Tyaz Vy-Vx+E