**MESH ANALYSIS**

> R=[40 -10 -30 ; 10 -30 5 ; 30 5 -65]

R =

40 -10 -30

10 -30 5

30 5 -65

> V=[10 0 0]

V =

10 0 0

> V'

ans =

10

0

0

> I=R\(V')

I =

0.47531

0.19753

0.23457

**NODAL ANALYSIS**

> Y=[0.15 -0.1 -0.05 ; -0.10 0.145 -0.025 ; -0.05 -0.025 0.075]

Y =

0.150000 -0.100000 -0.050000

-0.100000 0.145000 -0.025000

-0.050000 -0.025000 0.075000

> I=[5;0;2]

I =

5

0

2

> v=Y\I

v =

404.29

350.00

412.86