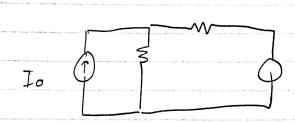
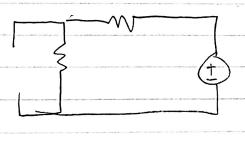


p)



$$T = 6 \cdot \frac{5}{5+16} = \frac{36}{15} = 2A$$



$$I_2 = \frac{45}{10+5} = 3$$

$$I_2 = I_2 = -3$$

7.1)

a) u[n] = u[n] - s(n-3) - u[n-4] u[n] = [!, !, !, !, !, ...] S[n] = Co, 0, 0, 1, 0, 0, 0, ...] u[n-4] = [o, 0, 0, 0, 1, !, !, ...] [o] = 1 - 0 - 0 = 1 [i] = 1 -

3)
$$20 \text{ Enj} = 20 \text{ En-1j-48 Cn-3j}$$

$$S \text{ En-3j} = \begin{cases} 1 \text{ n=3} \\ 6 \text{ otherwise} \end{cases}$$

$$/ \text{ So } \text{ mCnj} = [0, 2, 0, -4]$$

7.2)

Nu[n]-2[n-1]u[n-1] + 2[n-3]u[n-3]-(n-4)u[n-4

X[n]=80,1,6,-1,0,0,0,0,1,23,