



Fz3 = K9z93 (-60545° - Sen45°)
Fi3 = K (4 w) (6 w) (-cos 45° - Sen 45°).
Fi3 = -2.26 0 - 2.26 5 => 1Fe3) = 3.19 N.
Fr = F13 + F23 = [-2.26 - 2.26] 2 + [2.26 - 2.26] 2 Fr = -4.52 D Fr = 4.52 N
b) $\int_{0}^{62} = \frac{1.6 \times 10^{6}}{5^{2}} = 1$
Ez= X92 = K(4u) = 1.6 *106 N/c
63 = K(32) = K (6u) = 6. ×105 N/C.
1.6×106 + 1.6×106 +6×105 = 3800 + 103 N/C
C) VP = V1P + V2P + V3P. V = K9
V1p= K (4w) = 240 ×10 ² V
$V_{1} p = V_{1} p + V_{2} p + V_{3} p$ $V_{1} p = K (4 w) = 240 * 10^{2} v$ $V_{2} p = K (4 w) = 240 * 10^{2} v$ $V_{2} p = K (4 w) = 240 * 10^{2} v$ $V_{3} p = K (4 w) = 240 * 10^{3} v$ $V_{4} p = 300 * 10^{3} v$ $V_{5} p = 300 * 10^{3} v$
$V_{1} p = V_{1} p + V_{2} p + V_{3} p$ $V_{1} p = K (4 w) = 240 * 10^{2} v$ $V_{2} p = K (4 w) = 240 * 10^{3} v$ $V_{2} p = K (4 w) = 240 * 10^{3} v$ $V_{3} p = K (4 w) = 240 * 10^{3} v$ $V_{4} p = 300 * 10^{3} v$
$V_{1} p = V_{1} p + V_{2} p + V_{3} p$ $V_{1} p = K (4w) = 240 * 10^{3} V$ $V_{2} p = K (4w) = 240 * 10^{3} V$ $V_{2} p = K (4w) = 240 * 10^{3} V$ $V_{3} p = K (-6w) = -180 * 10^{3} V$ $V_{3} p = K (-6w) = -180 * 10^{3} V$

