

$$V_{A} = 0V$$

$$V_{C} = 5V$$

$$V_{C} = -V_{3} + V_{2} = -6 + 5 = -1V$$

$$V_{A} = V_{C} + V_{1} = -1 + 10 = 9V$$

$$V_{AB} = V_{A} + V_{B} = 9 - 0 = 9V$$

$$V_{AB} = 0V$$

$$V_{AB} = 9V$$

$$I = S_{mA}$$

$$V_{1} \oplus \underbrace{S_{1}I_{1}}_{I_{2}} \downarrow I_{2}$$

$$R_1 = 2B\Omega \qquad R_2 = SA\Omega$$

$$V_1 = SV \stackrel{\frown}{=} P$$

$$R_3 = \underset{3}{=} V_3 \qquad V_{AB}$$

$$V_{AB} \parallel V_3 :: V_{AB} = V_3$$
 $I_2 = 0$ as open circuit

 I_1 in series $w \mid I_3 :: I_1 = I_3 = I$
 $V_1 - IR_1 - IR_3 = 0 \Rightarrow V_1 = I(R_1 + R_3)$
 $I = V_1 / (R_1 + R_3) = 5V/(2B\Omega + 3B\Omega)$
 $\Rightarrow I = I_m A$