

$$V_1 A_1 = \boxed{V_r} A_r + \boxed{V_\mu} A_\mu \quad (1)$$

$$\bar{V}_r = \frac{V_1 A_1 - V_\mu A_\mu}{A_r}$$

$$P_1 A_1 V_1 = P_r A_r \boxed{V_r} + P_\mu A_\mu V_\mu \quad (2)$$

$$P_1 V_1 A_1 = P_r \cancel{A_r} \left(\frac{V_1 A_1 - V_\mu A_\mu}{\cancel{A_r}} \right) + P_\mu A_\mu V_\mu \quad (3)$$

$$P_1 V_1 A_1 = P_r V_1 A_1 - P_r V_\mu A_\mu + P_\mu A_\mu V_\mu \quad (4)$$

$$V_1 A_1 = \boxed{V_r} A_r + \boxed{V_p} A_p \quad (1)$$

$$V_r = \frac{V_1 A_1 - V_p A_p}{A_r}$$

$$P_1 A_1 V_1 = P_r A_r \boxed{V_r} + P_p A_p V_p \quad (2)$$

$$P_1 V_1 A_1 = P_r A_r \left(\frac{V_1 A_1 - V_p A_p}{A_r} \right) + P_p A_p V_p \quad (3)$$

$$P_1 V_1 A_1 = P_r V_1 A_1 - P_r V_p A_p + P_p A_p V_p \quad (4)$$

$$V_1 A_1 = \boxed{V_r} A_r + \boxed{V_\mu} A_\mu \quad (1)$$

$$\boxed{V_r} = \frac{V_1 A_1 - V_\mu A_\mu}{A_r}$$

$$P_1 A_1 V_1 = P_r A_r \boxed{V_r} + P_\mu A_\mu V_\mu \quad (2)$$

$$P_1 V_1 A_1 = P_r A_r \left(\frac{V_1 A_1 - V_\mu A_\mu}{A_r} \right) + P_\mu A_\mu V_\mu \quad (3)$$

$$P_1 V_1 A_1 = P_r V_1 A_1 - P_r V_\mu A_\mu + P_\mu A_\mu V_\mu \quad (4)$$



$$P_1 V_1 A_1 - P_2 V_2 A_1 = P_2 V_2 A_2 - P_3 V_3 A_3$$

$$V_1 A_1 (P_1 - P_2) = V_3 A_3 (P_3 - P_2)$$

$$V_3 =$$