

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

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

$$f_r A_r V_1 = f_r A_r \boxed{V_r} + f_\mu A_\mu V_\mu \quad (2)$$

$$f_r V_r A_1 = f_r A_r \left(\frac{V_1 A_1 - V_\mu A_\mu}{A_r} \right) + f_\mu A_\mu V_\mu \quad (3)$$

$$f_r V_r A_1 = f_r V_r A_1 - f_\mu V_\mu A_\mu + f_\mu A_\mu V_\mu \quad (4)$$

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

①

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

$$f_1 A_1 V_1 = f_r A_r \boxed{V_r} + f_\mu A_\mu V_\mu$$

②

$$f_r V_1 A_1 = f_r A_r \left(\frac{V_1 A_1 - V_\mu A_\mu}{A_r} \right) + f_\mu A_\mu V_\mu$$

③

$$f_r V_1 A_1 = f_r V_r A_r - f_r V_\mu A_\mu + f_\mu A_\mu V_\mu$$

④

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

①

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

$$P_r A_r V_1 = P_r A_r \boxed{V_r} + P_\mu A_\mu V_\mu$$

②

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

③

$$P_r V_1 A_1 = P_r V_1 A_1 - P_r V_\mu A_\mu + P_\mu A_\mu V_\mu$$

④

