



$$e_d = v_d + w_d + s_d$$

$$v_d = P_D r_d$$

$$r_d = A_D e_d + x_d$$

$$w_d = P_{Dm} r_m$$

$$r_m = A_M e_m + x_m$$

$$e_m = v_m + w_m + s_m$$

$$w_m = P_{Dm} r_d$$

$$v_m = P_M r_m$$

$$e_d = P_D A_D e_d + P_D x_d + P_{Dm}$$

