



$$\partial = -1; y_{A0} = 0.2; \varepsilon = -0.2$$

$$C_{A0} = 0.037$$

$$\Theta_B = 5/2$$

$$C_A = \frac{C_{A0}(1-X)P}{(1-0.2X)P_0}$$

$$C_B = \frac{C_{A0}(2.5-2X)P}{(1-0.2X)P_0}$$

$$-r'_A = 2.5C_A^{1/2}C_B = \frac{2.5 \cdot C_{A0}^{3/2}(1-X)^{1/2}(2.5-2X)}{(1-0.2X)^{3/2}} \left( \frac{P}{P_0} \right)^{3/2}$$

$$F_{A0} \frac{dX}{dW} = -r'_A = \frac{2.5 \cdot C_{A0}^{3/2}(1-X)^{1/2}(2.5-2X)}{(1-0.2X)^{3/2}} \left( \frac{P}{P_0} \right)^{3/2}$$

$$\frac{dX}{dW} = \frac{2.5 C_{A0}^{1/2}(1-X)^{1/2}(2.5-2X)}{v_0 (1-0.2X)^{3/2}} y^{3/2}$$

$$v_0 = 50$$

$$\frac{dy}{dW} = -\frac{\alpha(1-0.2X)}{2y}$$