2 Sector Wodel

Consider two industrial sectors in one city.

Let 2, & X2 be the distance that the

Firms in sector 1 & 2 locate from city.

Center.

Lubor costs:

Freight Costs:

(i) Prolit Punchans?

$$T_1 = P_1 \cdot 2_1 - [(5 - 5 \times 1) + 5 \times 1 + P(\times 1)]$$

$$P(X_i) = P_i Q_i - 5 - \frac{5}{2} X_i$$

(iii) Assume $TR = P_1 \cdot Q_1 = P_2 \cdot Q_2 = 20$ Promo Ne Brd-Pene Curves $P(Y_1) = 20 - 5 - 5 \times_1 = 15 - 5 \times_1$ $P(Y_1) = 20 - 10 - \frac{1}{2} \times_2 = 10 - \frac{1}{2} \times_2$ PON Sector $\in T_0, \frac{5}{2}$ $Sector \in (\frac{5}{2}, \frac{20}{2})$