

經濟學 A108710085

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3. (A)  $P_x X + P_y Y = M \Rightarrow 10X + 10Y = 50$

(B)  $m=1$

(C)  $P_x (1+t) X + P_y Y = M \Rightarrow 10(1.1)X + 10Y = 50$

(D)  $P_x (1-t) X + P_y Y = M \Rightarrow 10(0.9)X + 10Y = 50$

(E)  $P_x X + P_y Y = M - T \Rightarrow 10X + 10Y = 500 - 100$

(F)  $P_x (1-s) X + P_y Y = M \Rightarrow 0 + 10Y = 500$

(G)  $P_x (1+t) X + P_y Y = M, X \leq 30 \Rightarrow 10X + 10Y = 500 + 5$

4. (A)  $P_x X + P_y Y = 6400, 60X + 200Y = 6400 - 200$

(B)  $\begin{cases} 200Y = 6200, X \leq 5 \\ 80(X-5) + 200Y = 6700, X > 5 \end{cases}$

(C)  $\begin{cases} 80X + 200Y = 6400, X \leq 50 \\ 80(X-50) + 200Y = 6400 - 80 \times 50, X > 50 \end{cases}$

$80 \times 50 + 200Y = 6400, 50 < X \leq 55 \Rightarrow 200Y = 2400$

$80(X-55) + 200Y = 6400 - 80 \times 50, X > 55$

$80(X-55) + 200Y = 2400$