I 360 = 10% + 20% $U = f(\chi, \gamma) = \chi^{\frac{3}{3}} \gamma^{\frac{1}{3}}$ $Max \quad V = f(\chi, \gamma) = \chi^{\frac{3}{3}} \gamma^{\frac{1}{3}}$ $MRSx\gamma = \frac{\frac{3}{3} \chi^{\frac{1}{3}} \gamma^{\frac{1}{3}}}{\frac{1}{3} \chi^{\frac{1}{3}} \gamma^{\frac{1}{3}}} = \frac{P\chi}{P\gamma} = \frac{10}{20}$ $Y = \frac{1}{4} \chi \qquad \chi = 20 \quad \gamma = 5$

I = V = f(x, Y) = X + 3Y

Max V= f(x.Y)= x+3Y

MRSAY = $\frac{1}{3} < \frac{P_X}{P_F} = \frac{10}{30} = \frac{1}{2}$

V = f(x, y) = min(x, y)

Y=X

X= Y=10

每個會購買10杯奶茶10個漢堡

4007+ 6007= 1>000

U= x = 1 x = 1

LYRS xy = 1 x = 1 x = 1 = 1