Price elasticity: $\dfrac{dQ}{dP} \times \dfrac{P}{Q}$

Δ of the curve $\longleftarrow$ point (P, Q).

MRS: the slope of the indifference curve.

$$MRS = \dfrac{MU_x}{MU_y}$$

Tangency condition (optimal): $MRS = \dfrac{MU_x}{MU_y} = \dfrac{P_x}{P_y} = $ slope

Demand curve: willin ness to buy

$$\begin{cases} \dfrac{MU_x}{MU_y} = \dfrac{P_x}{P_y} \\ P_x X + P_y y = I \end{cases}$$

Engle curve: consumption variation of food x

as the consumption of y change.

income elastic of food $= \dfrac{\Delta \text{consume}}{\Delta \text{income}}$