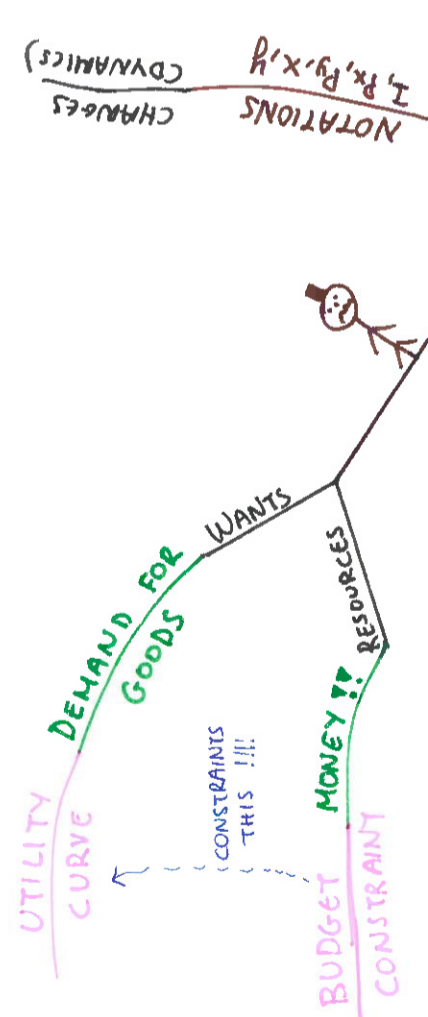


Budget Constraint

INITIAL VALUES	CHANGED VALUES (A or f)	NO CHANGE (constant values)
I_0	I_1	I_0
P_{x0}	P_{x1}	P_{x0}
P_{y0}	P_{y1}	P_{y0}
x_0	x_1	x_0
y_0	y_1	y_0



GRAPH

BASICS

MATH (simple)

$x + y = I$

Price of x & y (in £)

Quantity of goods

Income (in £)

$$P_x \cdot x + P_y \cdot y \leq I$$

$$P_x \cdot x + P_y \cdot y = I$$

Total Expenditure of x

Total Expenditure of y

TOTAL EXPENDITURE ≤ Income

ASSUME RATIONALITY

① max utility

② NO UTILITY FROM FUTURE consumption

NOT for now at least

EXAMPLE

$I = £50$

$P_x = £10$

$P_y = £5$

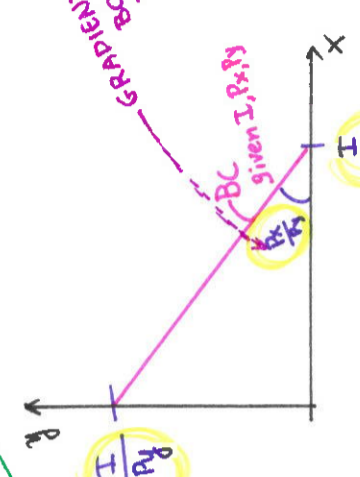
- If buy only x $\Rightarrow x=5, y=0$

- If buy only y $\Rightarrow x=0, y=10$

- But, I want some x and some y

GRADIENT OF BC

$$M = \frac{dy}{dx} = \frac{\frac{I}{P_y}}{\frac{I}{P_x}} = \frac{P_x}{P_y} = \#$$



REAL INCOME

PRICE RATIO

PURCHASING POWER IN GOODS