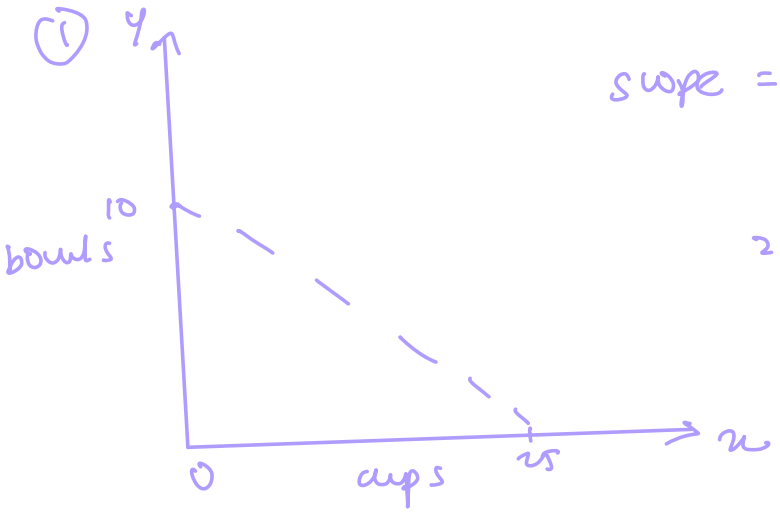
① 

$$\text{slope} = -\frac{p_x}{p_y}$$

$$= -\frac{2}{5} = -0.4$$

$$\left(\frac{-\text{Price of } x}{\text{price of } y}\right)$$

OR

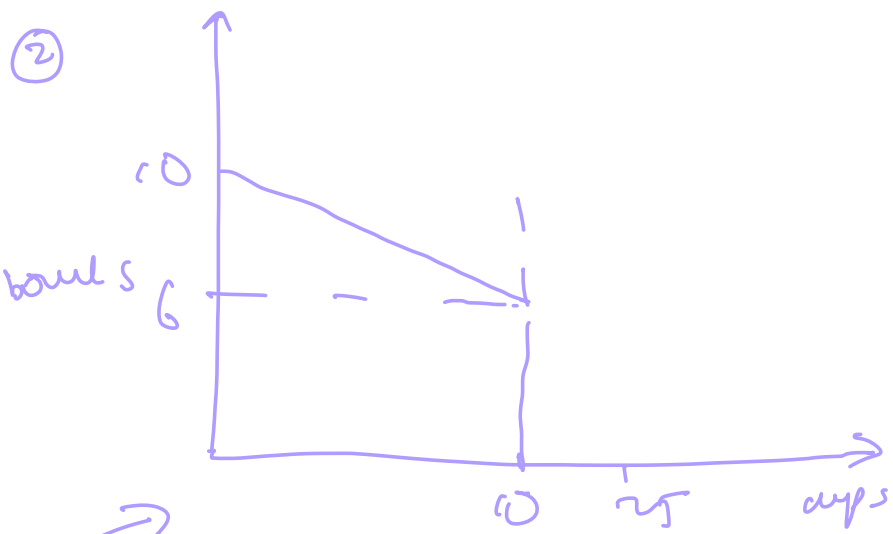
$$= \frac{\text{rise}}{\text{run}} = \frac{-10}{25}$$

Rough work

$I = \$50$

$P_B = \$5$

$P_C = \$2$

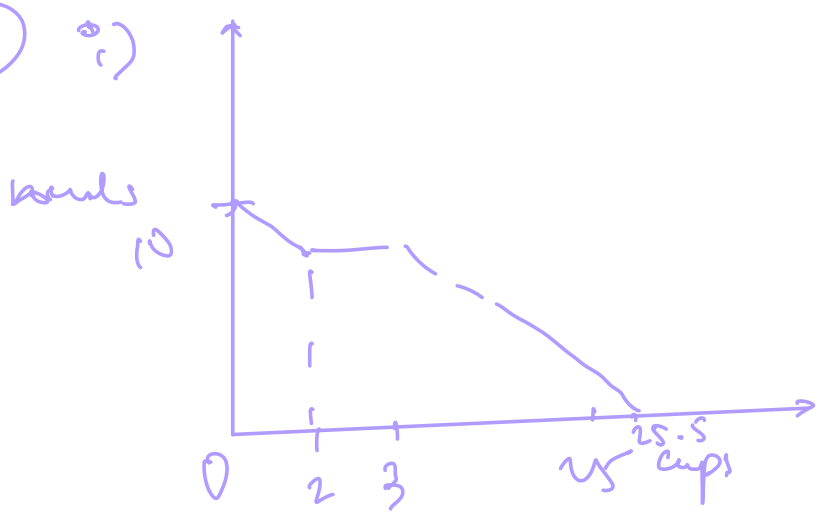
② 

Kink: ① assume all 10 cups were purchase $2 | 20

② Income = $30

slope : undefined $\left(\frac{\text{rise}}{\text{run}} = \frac{6}{0} = -\infty\right)$

(3) i)



saved : $1

cup : $2

$-x-$

7 : $50

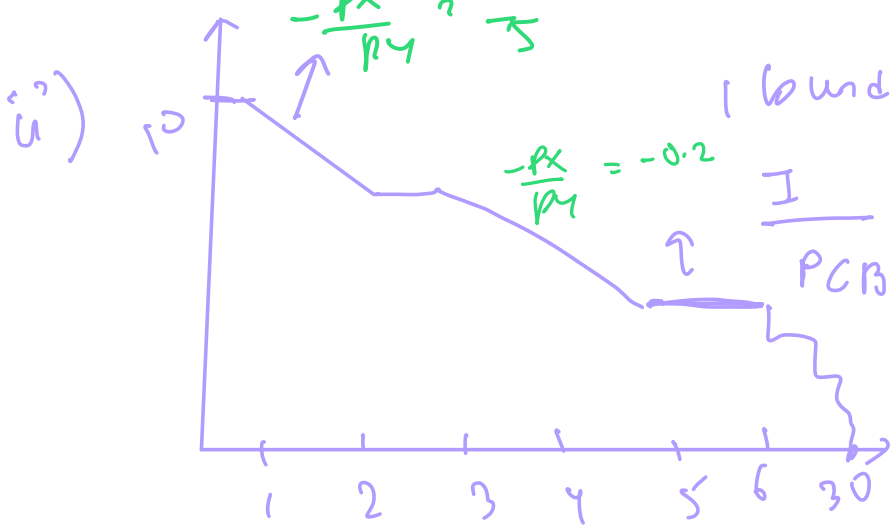
3 cups = $5

left : $45

bonds : $\frac{45}{5}$

= 9

ii)



1 bundle : 3 cups ⇒ $5

$\frac{I}{P_{CB}} = \frac{\$50}{\$5} = 10$ CB

= 30 cups