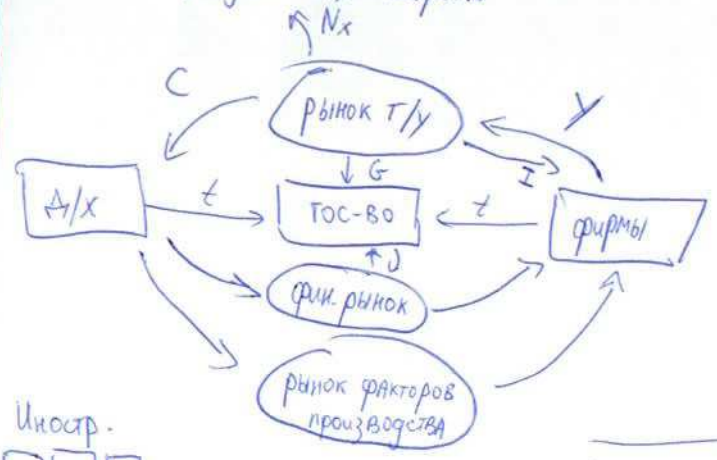
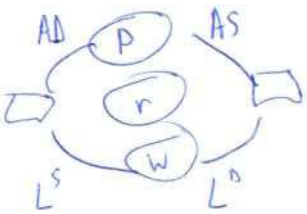
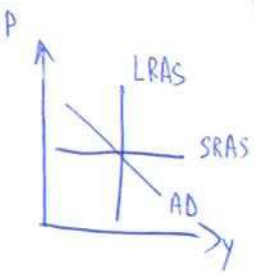
Спрос с постоянной эластичностью

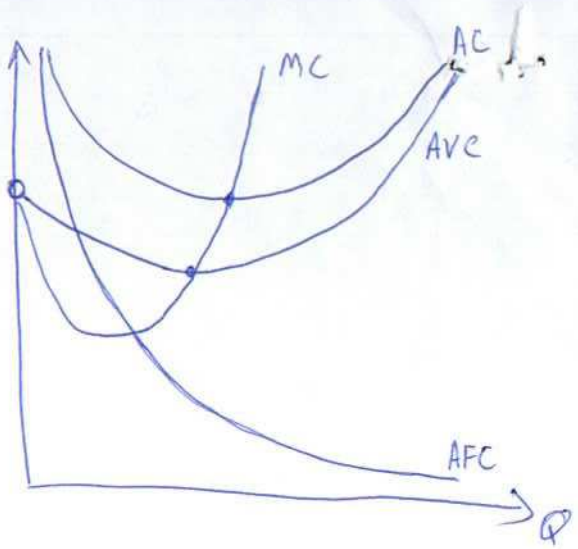
$Q = aP^n$, n - эластичность.

Модель кругооборота









Долгосроч. : $P > \min AC$

Краткосроч: $P > \min AVC$

$Y = C + I + G + N_x$

$E + -I_m$

$Y = \sum P_i Q_i$

$X_R = \frac{X_N}{P}$;

$M = C + D$

$B = C + R$

$D = R + K \Rightarrow M = B + K$

$mm = \frac{\Delta M}{\Delta B} = \frac{cr+1}{cr+rr+er}$

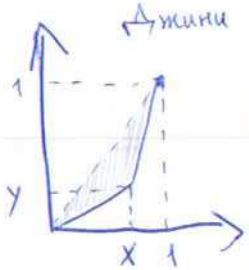
$cr = \frac{C}{D}$ - норма депонирования

$cr, er = 0 \Rightarrow mm = \frac{1}{rr}$;

$f'(x_0) = 0$

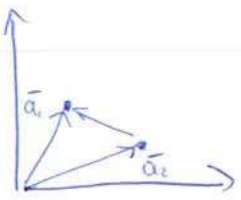
$x < x_0,\ f'(x) > 0$
$x > x_0,\ f'(x) < 0$ $\Rightarrow max$

$x < x_0,\ f'(x) < 0$
$x > x_0,\ f'(x) > 0$ $\Rightarrow min$



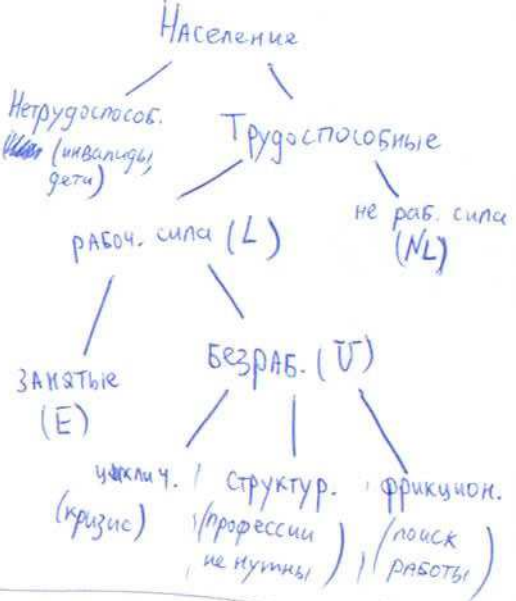
$G = x - y$

$G = \frac{S}{1/2}$



$\lambda \bar{a}_1 + (1-\lambda)\bar{a}_2 =$

$= \bar{a}_2 + \lambda(\bar{a}_1 - \bar{a}_2)$



Закон Оукена

$u_c = \frac{\bar{U}_c}{L}$;

$1 - \frac{y}{y^*} = \beta u_c$;

y-ВВП, y^*- потенц. ВВП.

β - коэф. Оукена u_c - цикличн. безраб

x_1, y_1

x_2, y_2

$$(\alpha x_1 + (1-\alpha)x_2) = x_2 + \alpha(x_1 - x_2)$$

$$(\alpha y_1 + (1-\alpha)y_2) =$$

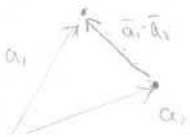
$$S = \frac{1}{2} - \frac{xy}{2} - \frac{(1-x)(1-y)}{2} = \frac{1}{2}(1 - xy - 1 - y - x + xy) = \frac{x-y}{2}$$

$$y = kx + b$$

$$y_1 = kx_1 + b$$

$$y_2 = kx_2 + b$$

$$k = \frac{y_2 - y_1}{x_2 - x_1}$$



$$\alpha\bar{a}_1 + (1-\alpha)\bar{a}_2 = \bar{a}_2 + \alpha(\bar{a}_1 - \bar{a}_2)$$

$$n = \alpha n P^{n-1} \cdot \frac{1}{\alpha n \alpha P^{n-1}} = \frac{P}{\alpha P^{n-1}} \alpha n P^{n-1}$$

$$E_x = f'(x) \cdot \frac{x}{f(x)}$$

$$\boxed{E = f'(x) \cdot \frac{x}{f(x)}}$$

$$E = Q'(P) \cdot \frac{P}{Q(P)}$$

$$E = f'(x) \cdot \frac{x_1 + x_2}{f(x_1) + f(x_2)}$$

$$\uparrow$$

$$\frac{x_1 + x_2}{2}$$