Combining me get ku jukstempsel Gudget constraint:

(6) de con write the maximization problem as

$$\frac{\partial \mathcal{L}}{\partial C^{\frac{1}{2}}} \stackrel{\text{KI}}{=} \frac{\mathcal{K}}{2} \frac{\partial \mathcal{L}}{\partial C^{\frac{1}{2}}} \Rightarrow \frac{\mathbb{A} \times \mathbb{A}}{\mathbb{A} \times \mathbb{A}} \stackrel{\text{2}}{=} \frac{\mathbb{A} \times \mathbb{A}}{\mathbb{A}} \stackrel{\text{2}}{=} \frac{\mathbb{A} \times \mathbb{A}}{\mathbb{A}} \stackrel{\text{2}}{=} \frac{\mathbb{A} \times \mathbb{A}}{\mathbb{A}} \stackrel{\text{2}}{=} \frac{\mathbb{A}}{\mathbb{A}} \stackrel{\text{2}}{=} \frac{\mathbb{A}} \stackrel{\text{2}}{=} \frac{\mathbb{A}}{\mathbb{A}} \stackrel{\text{2}}{=} \frac{\mathbb{A}}{\mathbb{A}} \stackrel{\text{2}}{=} \frac{\mathbb{A$$

Could wing, we have

$$\rho_1 = \rho_2 = \rho$$

$$\Rightarrow \frac{\chi_{C_1}^{H}}{C_1^{E}} \stackrel{\text{2}}{=} \frac{\chi_{C_1}^{H}}{C_2^{E}}$$

$$\frac{C^{1/2}}{C_{1}^{1/2}} = \frac{C_{2}^{E}}{C_{1}^{E}} = B(1+5)$$

(c)

when 
$$\beta = \frac{1}{1+r}$$

$$\frac{C^{H}}{C^{H}} = \frac{C^{E}}{C^{E}} = 1$$

$$C^{H}} = \frac{C^{H}}{C^{E}} = C^{H}$$

$$C^{E}} = C^{E}$$

$$C^{E}$$

$$C^{E}} = C^{E}$$

$$\frac{Y + M}{YH} = 1 + \frac{\alpha}{\beta} + \frac{1}{1+\alpha} - \frac{1}{1+\alpha}$$

$$= \frac{\alpha}{1+\alpha} + \frac{\alpha}{1+\alpha}$$

$$= \frac{(1+\beta)\alpha}{1+\alpha}$$

(C) 
$$C Y_{2}^{H} > Y_{1}^{H}$$
 and  $Y_{2}^{H} = (1+g)Y_{1}^{H}$ 

$$W = Y_{1}^{H} + \frac{1+g}{1+r}Y_{1}^{H}$$

$$= \frac{2+r+g}{1+r}Y_{1}^{H}$$

$$= \frac{2+r+g}{1+r}Y_{1}^{H}$$

$$= \frac{2+r+g}{1+r}Y_{1}^{H}$$

$$= \frac{1+r}{1+r}Y_{1}^{H}$$

$$= \frac{1+r}{r}Y_{1}^{H} - c_{1}^{H} - c_{1}^{H} - c_{1}^{H}$$

$$= \frac{1+r}{r}Y_{1}^{H} - \frac{1+r}{r}Y_{1}^{H}$$

$$= \frac{1+r}{r}W_{1}^{H}$$

$$= \frac{1+r}{r}W_{1}^{H}$$

$$= \frac{1+r}{r}W_{1}^{H}$$

$$= \frac{1+r}{r}W_{1}^{H}$$

