

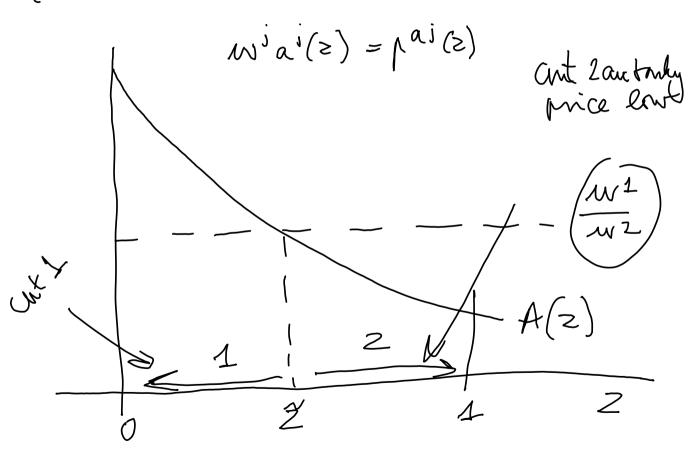
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$$M(c) = \exp \int \ln[c(z)] dz$$
 $\int \rho(z) c(z) dz \leq I$
 $M(x) = 2 \int \rho(z) c(z) dz \Rightarrow \text{then}$
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 $C: [0,1] \rightarrow \mathbb{R}^{T}$

$$A(z) = \alpha^2(z)/\alpha^2(z)$$



Expenditure
$$[0,2] = \int_{0}^{\infty} \Lambda(z)^{j} c(z)^{j} ds = z E^{j}$$

$$E^{j} = W^{j} L^{j}$$

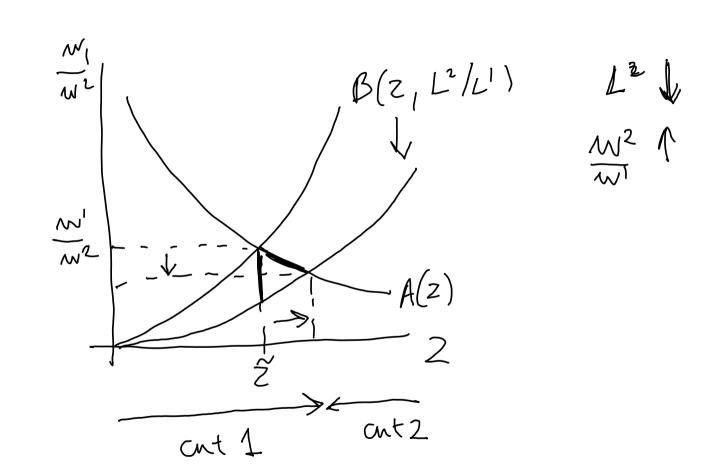
$$\int_{0}^{\infty} \Lambda(z)^{j} c(z)^{j} ds = (-z)E^{j}$$

$$E' = W^{3}L^{3}$$

$$= W^{1}L^{1} = \int_{0}^{\infty} \rho(z) \left[c'(z) + c^{2}(z)\right] dz$$

$$= 2 \left[E' + E^{2}\right] = 2 \left[w'L' + w^{2}L'\right]$$

$$B(2) = \frac{2}{1-2} \frac{L^{2}}{L'} = \frac{2}{1-2} \left[w'L' + w^{2}L'\right]$$



 \rightarrow 2 if $A(z) > (z) \frac{wl}{\omega^2} > \frac{w'}{w^2}$ 1 (2) A(2) < \frac{1}{2} \frac{1}{10} 2 Cut I more mod £min c(z) € 2 > 1 172

T>1 1 > 2 if
$$A(z) > C \frac{M}{\omega^2} > \frac{\omega'}{w^2}$$

2 > 1 if $A(z) < \frac{1}{\tau} \frac{W}{w^2}$

$$\frac{1}{\sqrt{2}} = \frac{-\tau}{A(z)} = \frac{-\tau}{A(z)/\tau}$$

1 > 2 if $A(z) < \frac{1}{\tau} \frac{W}{w^2}$

2 > 1 if $A(z) < \frac{1}{\tau} \frac{W}{w^2}$