(ON SUM 1002

PREFERENCIAS: XCIRT

$$X \in X$$

$$X = \begin{pmatrix} \chi_1 \\ \chi_2 \\ \vdots \\ \chi_m \end{pmatrix} \quad \chi_{1 \ge 0}$$

RACIONALES <=>(i) COMPLETAS VX,YEX:X>YVY>X 5, 7×1 (ii) TRANSITIVAS YX,Y,ZEX: 5: x>y />>=> x> 2 $x \neq y \qquad (y \neq x) <=> x \neq y$ MB > VOLUD > AUDI > MD

 $X \longrightarrow \mathcal{M}(X)$ MRFINESENTA > => TX, Y EX. > / (u(x)) > ((y)) <=> x> y CEI MAX 10^{2} M(X,) τ M2(X2) $10^{\prime\prime}$ ESTRICT. $\{X, X_{2}\}$ S.Q. (X_{2}) $10^{\prime\prime}$ (X_{2}) $10^{\prime\prime}$ (X_{2}) (X_{2}) ZEX, CO GRAFI

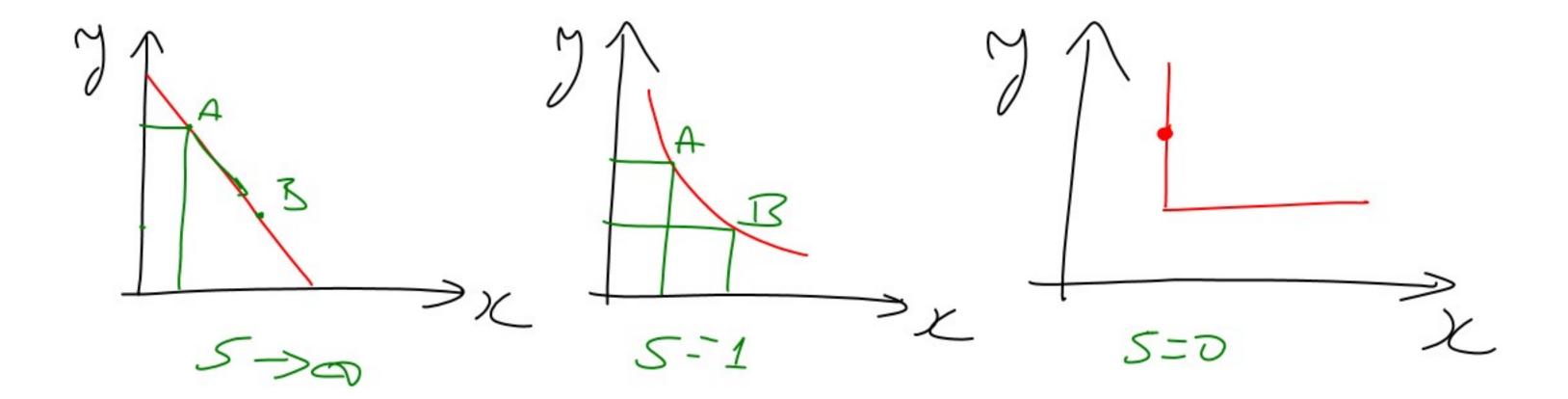
DEF $\langle SON (ONTINUALS) \rangle$ $\langle = \rangle \langle X_m \rangle_{m=1}^{\infty} \langle Y_m \rangle_{m=1}^$ DEFI / SON CONTINUAS

$$X_{1} = \begin{pmatrix} 0 \\ 0 \end{pmatrix} \qquad X_{1} = \begin{pmatrix} 0 \\ 5 \end{pmatrix}$$

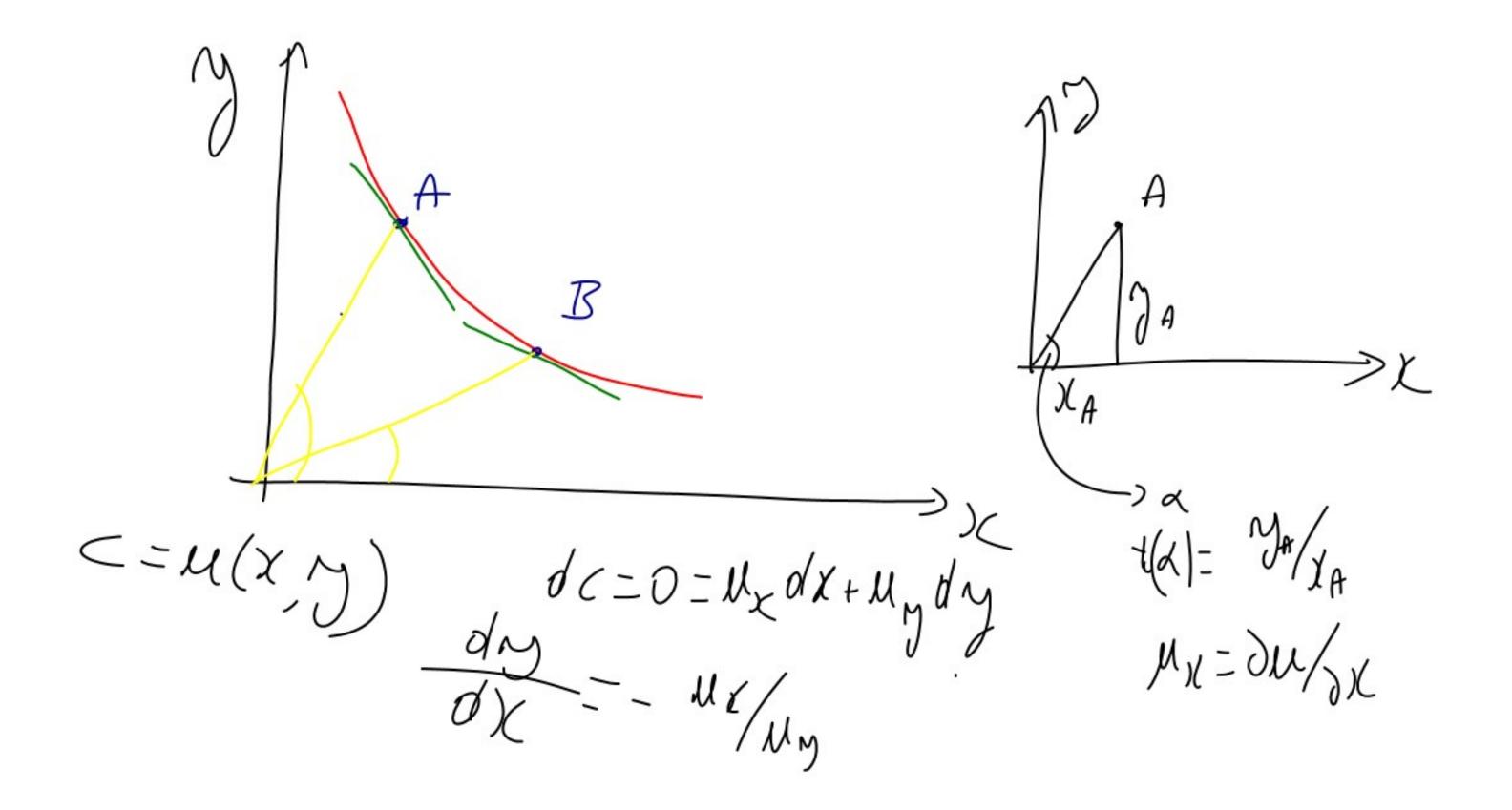
$$X_{m} = \begin{pmatrix} 1/m \\ 0 \end{pmatrix} \Rightarrow X_{m} = \begin{pmatrix} 0 \\ 5 \end{pmatrix}$$

$$\lim_{m \to \infty} X_{m} = \begin{pmatrix} 0 \\ 0 \end{pmatrix} \iff \lim_{m \to \infty} \begin{pmatrix} 0 \\ 5 \end{pmatrix} = \begin{pmatrix} 0 \\ 5 \end{pmatrix}$$

 $S = \frac{1}{1-s}$ ANH $U(X, y) = (aX^{s} + (1-a)y^{s})^{1/s}$ $0 \le a \le 1$ CONSTANT ELASTICITY OF SUSSTITUTION LINEAUES COBB-DOUGLAS LEONT; EF M(x M) = ax+(1-0)M 2 y 1. 2 - u(xn) u(x,n) - Ming(xn)



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 $(\frac{1}{2})_{\frac{1}{2}}$ D(Mx/eng) elx/my 5 - d lm (%)c)

d m (ex/

$$M(X,y) = (a x s + (1-a)y s)^{1/3}$$

$$S = \frac{d \ln(5/x)}{d \ln(4x/4y)}$$

$$M_{X} = \frac{d e}{\partial x} = \frac{1}{5} (a x s + (1-a)y s)^{\frac{1}{5}-1} a s x^{\frac{1}{5}-1}$$

$$M_{Y} = \frac{1}{5} (a x s + (1-a)y s)^{\frac{1}{5}-1} (1-a)y y^{\frac{1}{5}-1}$$

$$\frac{M_{X}}{M_{Y}} = \frac{a}{1-a} (\frac{x}{y})^{\frac{1}{5}-1} = \frac{a}{1-a} (\frac{y}{x})^{\frac{1}{5}-1}$$

$$\frac{u_{x}}{u_{y}} = \frac{\sigma}{1-\sigma} \left(\frac{x}{y}\right)^{\beta-1} = \frac{\sigma}{1-\sigma} \left(\frac{y}{x}\right)^{1-\beta}$$

$$lm\left(\frac{u_{x}}{u_{y}}\right) = lm\left(\frac{\sigma}{1-\omega}\right) + (1-\beta) lm\left(\frac{y}{x}\right)$$

$$lm\left(\frac{y}{x}\right) = \frac{1}{1-\beta} lm\left(\frac{u_{x}}{1-\omega}\right) - \frac{1}{1-\beta} lm\left(\frac{\sigma}{1-\omega}\right)$$

$$5 = \frac{1}{1-\beta}$$

