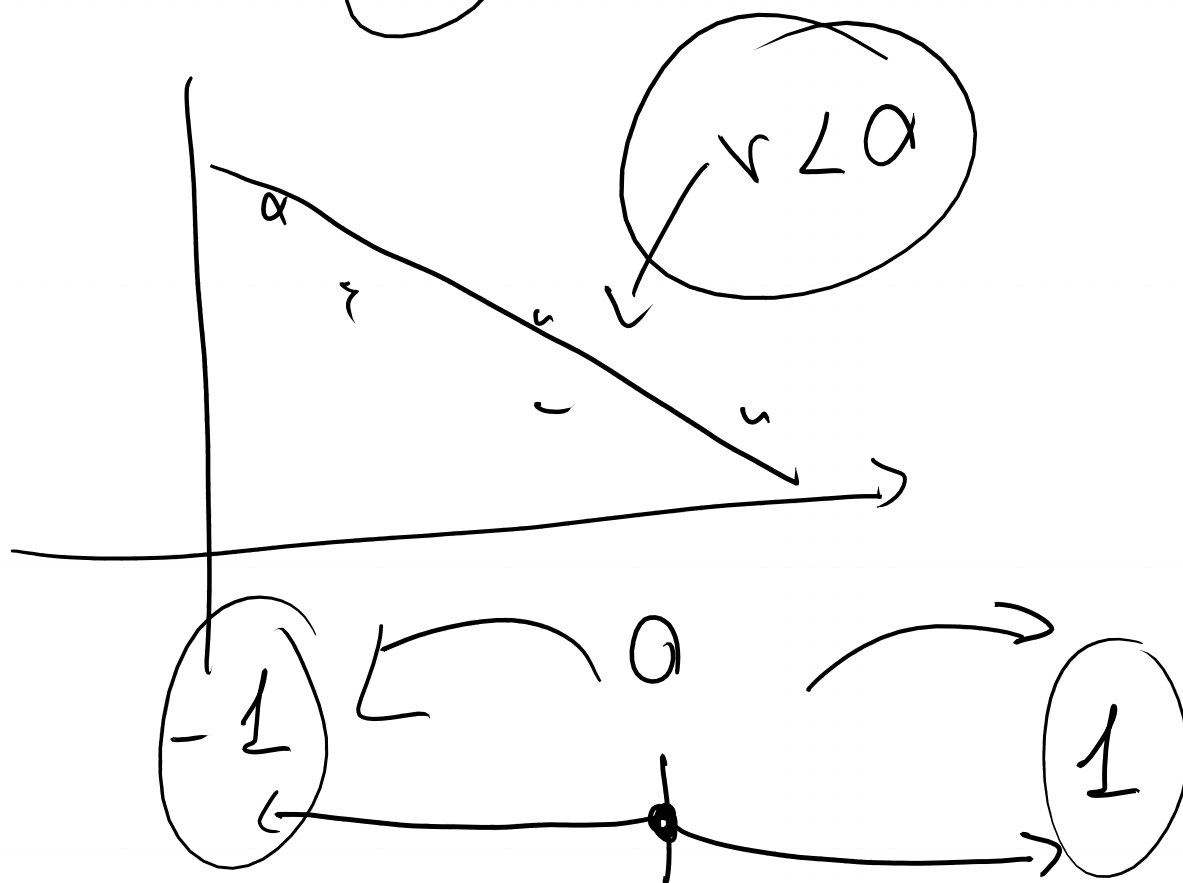


Note :  $r > 0$  croissante  
 $r < 0$  décroissante





$$\vec{*Z} = -0,15t + 4,01$$

$$*Z = \ln(T - 20)$$

$$\ln(T - 20) = -0,15t + 4,01$$

$$T - 20 = e^{-0,15t + 4,01}$$

$$T = 20 + e^{\overset{x}{-0,15t} + \overset{x}{4,01}}$$

$$e^{A+B} = e^A \times e^B$$

$$T = 20 + e^{-0,15t} \times \underbrace{e^{4,01}}_{\approx 55}$$

$$T = 20 + 55 e^{-0,15t}$$