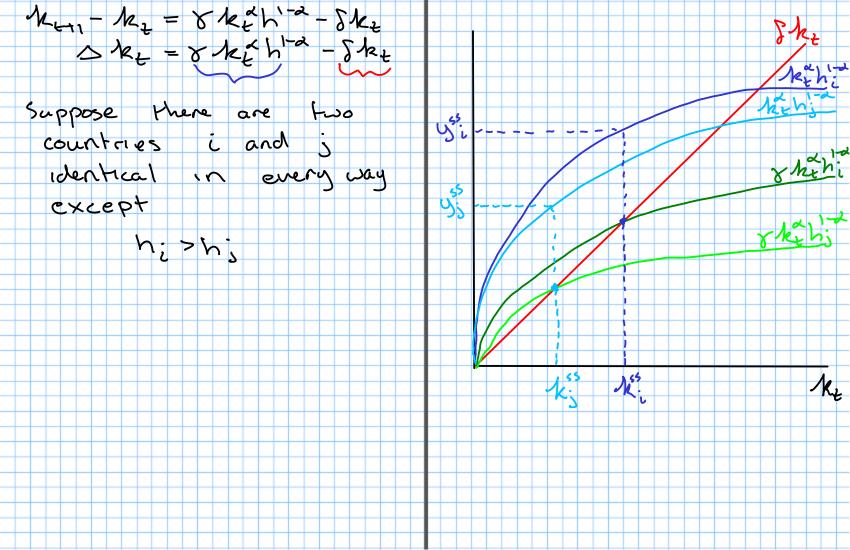


P should farget If P wants to increase y and h, what should then health policies 207. > It's difficult (Impossible?) -> Target policies that to determine which of promote income growth these two situations is describing the difference between R and P

y = K = K = (] - ~ Cobb - Douglas production with human capital yz= Kx hl-x Before: Yz = Kx Lt-x (L)~ Now: Yt = Kt(hlt)1-2 yz= kz hl-d Assume Lz = I yt at every point Solow model Express F(KE, hLE) in $K_{t+1} = K_t + T_t - D_t$ K+1 = K+ + 84- 8K+ per-worker terms Ye= K& (hL) -2 Ket1 = ke + 852 - Skt het = ket rkthal-Skt



1 k= 8 k2 h-2 - 8 kz yss = ((x) //-2 h) ~ h-2 Solve for steady-state 455 = (x) 2/1-2 /2/1-2 analytically: D/k+=0 yss = (x) /1-2h 0=8kxh1-2-8kx KE(Ske) = 8 kx hi-a kt Suppose there are two 5 k= = 8 h1-2 countries that are $\frac{h_{1}^{1-\alpha}}{s} = \frac{s}{s}h^{1-\alpha}$ $\left(k_{2}^{1-\alpha}\right)^{1-\alpha} = \left(\frac{s}{s}h^{1-\alpha}\right)^{1-\alpha}$ identical in every way except for human capital. How much more income 1255' = (X) 1/2 h will the country with higher human capital yss = (25) 2 h1-2

Si = (8)2/10 hi Example: 2 countries i and 5, Average years i: 10 years 935 = (8) 2/1-2 h; Average years 5: 4 years $h_1 = h_0(1.134)^4(1.101)^4(1.068)^2$ h; = ho (1.134)4 Returns to education: 9i = (1.101) 1 (1.068)2 (1st 4 years: 13.4% per year (years 5-8: 10.1% per year 22 = 1.68 >8 years: 6.8% per year h; = h, (1+,134) (1+,134) (1+,134) (1+,134) (1+,101) There's some "raw" human capital ho > labor input mittal return 2nd 3rd of a worker with no education