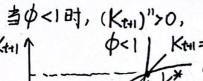
O.
$$C_t+I_t \leq Y_t = K_t^{\alpha} (B_0 K_t^{\phi} N_t)^{+\alpha}$$

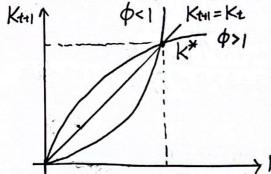
b.
$$K_{t+1} = K_t(I-S) + I = K_t(I-S) + sK_t^{\alpha} (BK_t^{\alpha}N_t)^{+\alpha}$$

C.
$$f(\lambda K_t, \lambda N_t) = (\lambda K_t)^{\alpha} (B\lambda^{\phi} K_t^{\phi} \lambda N_t)^{+\alpha}$$

= $\chi^{(+\phi-\phi)} f(K_t, N_t) > \lambda f(K_t, N_t)$

d.
$$N_{t=1}$$
, $K_{t+1} = K_{t}(1-5) + sB^{1-\alpha}K_{t}^{\alpha+\phi-\phi\alpha}$
 $(K_{t+1})^{"} = sB^{+\alpha}(\alpha+\phi-\phi\alpha)(\alpha+\phi-\phi\alpha-1)K_{t}^{\alpha+\phi-\phi\alpha-2}$
 $\alpha+\phi-\phi\alpha-1=(1-\phi)(\alpha-1)$
当 $\phi>1$ 时, $(K_{t+1})^{"}<0$,





$$K^* = K^*(-5) + sB^{-\alpha}K^{\alpha + \phi - \phi \alpha}$$

$$\Rightarrow K^* = (\frac{\delta}{SB^{-\alpha}})^{\frac{1}{(-\phi)(\alpha - 1)}}$$

e.
$$\frac{2K_{t+1}}{2K_{t}}\Big|_{K_{t}=K^{*}} = \int_{S}^{B} (\alpha + \phi - \phi \alpha)(K^{*})^{(1-\phi)(\alpha-1)} = \delta(\alpha + \phi - \phi \alpha) + 1 - \delta$$

$$= 1 + \delta(\alpha - 1)(1 - \phi)$$

f.
$$k^* = \left(\frac{SB^{1-\alpha}}{S}\right)^{\frac{1}{(1+\delta)(1-\alpha)}}$$

$$\begin{cases} ST, k^*T \\ ST, k^*T \\ ST, k^*T \end{cases}$$



b)] = = βtu(Gt) + = λt [Akt-Gt-kt++(+5)kt]

r=0, [Gt]: βtu'(Gt)-λt=0

[kt+1]: -λt + λt+1(1-5+αAkt-)=0

Ε次557程: u'(Gt)=βu'(Gt+1)(1+αAkt-5)

-: 次位产业政策, [c+]: β^tu'(C+) - λ+=0

[k++1]: -2++ 2++1 [1+ a(A+ p(T)) k+1 - 5]=0

正知五分字: U'(Ct)= BU'(Ct+1) [1+x(A+ゆ(T)) k+1-5]

(C) 无限期产业政策,政治结果: $U'(C_1)=\beta U'(C_{1+1})[H\alpha(1-T)(A+\phi(T))]_{KM}^{KM}-S]$ $C_1=G_1+1$, $I=\beta[H\alpha(I-T)(A+\phi(T))]_{KM}^{KM}-S]$ $\Rightarrow k^*=\left[\frac{\alpha\beta(I+T)(A+\phi(T))}{I-\beta(I-S)}\right]_{I-\alpha}^{T-20}$, $\rightarrow +\infty$ $C_1^*=(I-T)(A+\phi(T))_{K}^*)^{\alpha}-Sk^*$ $I^{\beta}: J(J-1)_{J}^{J-1}-A-J(J+1)_{J}^{J-1}$ $\leftarrow T^{-20}$, $\rightarrow +\infty$ $C_2^*=(I-T)(A+\phi(T))_{K}^*)^{\alpha}-Sk^*$ $I^{\beta}: J(J-1)_{J}^{J-2}-IJ(J+1)_{J}^{J-2}-IJ(J+1)_{J}^{J-1}-I$ $C_3^*=(I-T)(A+\gamma T^{-1})_{J}^{-1}-A-\gamma(J+1)_{J}^{-1}-A$ $C_3^*=(I-T)(A+\gamma T^{-1})_{J}^{-1}-A-\gamma(J+1)_{J}^{$

(d) T*=0.1119, k*=5.7136, c*=1.6494

/ 作者大, T*也增大

/ 增大, T*先增后/减

《增大, T*不变

我使用了Kimi,我让它帮我调整缩进,解释代码。好用。

