firms are on their labor curve (given real wages (W1/P1)= 21 MPL (A1) in the short run, wages are sticky his would be on labor supply curve if real wage = marginal reate of substitution both constitution by Wt/Pt = & Nto/Ct-8 But this might not be equal to WI/PI in short run because of Sticky wages So while in long run, on lab ss curve, might not be the case in short run. c) In the long run, Euler egm money da egm prices imfluence his cens maternand.

Firms supply of that clears cons marriet, lab marriet clears selting wages = MP2.

which is equal to lab ss. by howeroti. But in the shout run, Sticky wages can complicate lab market cleaving d # Ever Gg m. I = BEt Qt Ptt Ct-8 @ Ss t = t+1= · · ·

Since mkts class in long run.

At
$$Nt = Yt = Ct$$

again @ $SS = t + t + t = \cdots$

AN = $Y = C$

A = $W/P = X \cdot NP/C - Y$

A - XNV

- $(AN)^{-Y}$

A - $(AN)^$

independent of mominal wage on money

Supply => classical dichotomy holds.

im Short rum. W, = W0 W1/P1 = W0/P1 = A1 # stickiness. P - W 0/A1 1 = BE, [Q, wo/A, 1 . C] taking out P C T Subscript for is longrum. $C_1 = \beta \cdot S_1 \cdot \frac{\omega_0}{A_1} \cdot \frac{C}{P}$ C, $\beta \beta 1$. $\omega 0$. 1)

Imdefendent of wages.

(nominal vovi) M./P. - M. A. = 5 1/7 (1-1) - 72 . C. 7/2 N1 = 01/A1 - P1/WO C1 - lab oldbut lab so to satisfy $y_1 = c_1$. No. Classical dichotomy doesn't hold as nominal var was shows up in egn for all the real vour.

hi if you increase money supply given sticky wages, prices may not fully adjust (Pi=wg/h) ⇒ real balance of money holding 7. En prefere conseeming to day over saving & conseeming tomorrow (Gelen egn dephamics) increase & hence so does of p to meet. To productivity → TMPL (P, = ω,/A). torice of const good via Euler, cons m today is foreferred over cons tomorrow at the margine. real wages 1 (Wo/Pi). even if his rold labor se constant, increasing de for constant foroductivity 1 - 7, N . MRS, MPL, = \frac{\chi_{1} \chi_{2}}{(1-\omega)}, \frac{\chi_{1}}{\chi_{1}}

j Check for moment like:

- response of of to a 1 monetary shocks
b1 productivity shocks. - response of great wages to monetary shocks