- 12. (35 pts.) Make America Great Again. Donald J. Trump's Presidential platform outlines a substantial tax decrease by reducing tax rates for a large majority of Americans. This tax reduction will be off-set by a substantial reduction in government spending. That is Trump's tax plan is deficit neutral.
 - a. (7 pts.) Working with our model developed in Chapter 3, carefully explain the impact of Trump's tax plan on investment and the real interest rate—if at all. If not, please carefully explain why not.

Use loanable tonds equillibrium... $Y-T-\beta(Y-T)+(T-G)=I(r)$ Why the reduction with the with in G. a reduction Private Soulngs Public Savings No Change Increases as Tax burden is allieviated Investment + National Savings 51 Summary:

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b. (7 pts.) Working with our model developed in Chapter 3, carefully explain the impact of Trump's tax plan on real GDP. If not, please carefully explain why not.

Jo chawge

 $Y = F(\overline{k}, \overline{L})$

Kis fixed in Short run/Ch. 3 L is fixed in short cour/ch.3

If K and L are Not changing then GDP or Y can not change...

c. (7 pts.) Given your answers in Part a. and Part b. carefully explain how Trump's tax plan is changing each expenditure component of GDP.

The expenditure side of GDP is this ...

 $c = \beta(Y-T).$

"T" is decreasing, thus consumption is A

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CA, IA, G. Trump's plans

Causes a reallocation of economic activity

away from government and into the private

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Sentor

How to verify that GDP does not change using the expenditure side ...

$$\begin{array}{c}
(Y-T-B(Y-T)+T-6)+6 \\
\hline
This is nutional savings
\end{array}$$

Which = Investment

Thus GDP does not change.

d. (7 pts.) Consider the following premise: People work more as their after-tax income rises.

Carefully describe how this premise interacts with Trump's plan, if at all. That is describe how will investment, the real interest rate, and real GDP change (if at all). Please provide a qualitative ranking with respect to your answer in Part a. and Part b..

There are various ways to get at this, I will illustrate what is easiest...

 $\frac{\gamma-\tau-\beta(\gamma-\tau)+(\tau-G)}{}= I(r)$

From

National Savings will increase

From (1)

For two reasons

1) Lower taxes

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2) More people working

It's easiest to assume the I does not change with L, but if you did this then it is fine/good.

Summary _____

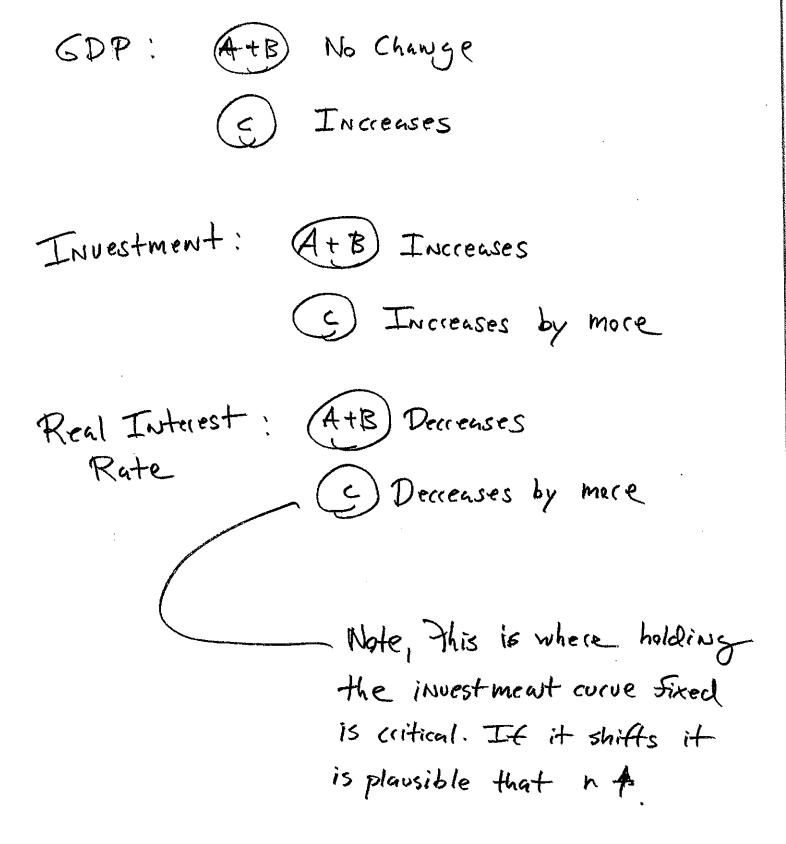
GDP: AtB No Change

C GDP 4

In

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e. (7 pts.) Speculate how Trump's plan might effect real GDP in the future (within the boundaries of our class material). Be as clear and specific as possible.

The masiest way is to think about how investment to day relates to capital

in the Suture

 $K_{\pm t_1} = (i-s)k_{\pm} + I_{\pm}$

More Capital in the Future More Investment

GDP = F(K,L)

So if we have higher k in future, this means more Y in the future.