

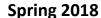
National Income and Factor Demand

1.	iss qu	migration reform is one of the key issues facing the U.S. Congress and President. This is a complicated ue partly because there are competing interests that will lose and benefit from any reform. This estion walks through some of these issues. The presumption here is that immigration reform would d to a one-time increase in the labor-force in the United States.
	a.	Using the framework developed (factor supply diagram and factor demand diagram) in class, describe how a change in immigration reform would affect the real wage.



c. As an investor who receives returns from the ownership of capital, would immigration reform affect the returns on your portfolio? Why or why not?

d. Do these answers depend upon the assumption that the supply of capital is fixed. Why or why not?





2. Burma is currently a closed economy and does not allow the free flow of capital (in or out). However, they are contemplating opening up their country to international capital flows.

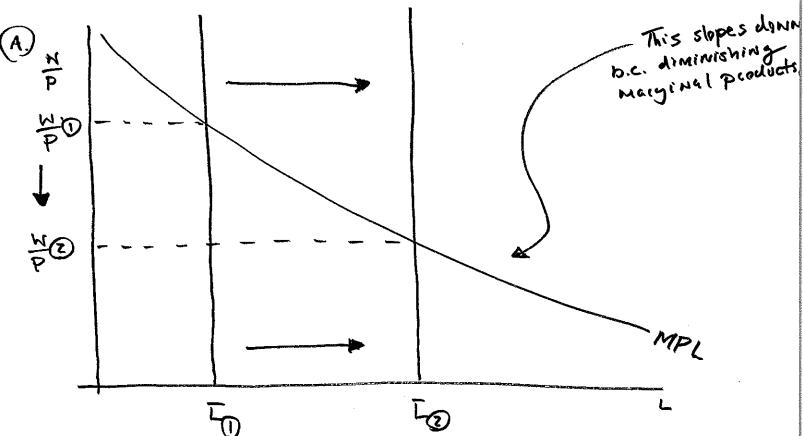
a. If Burma's current rental rate of capital is 25 percent and the world equilibrium rental rate of capital is 10 percent, how would you expect capital to flow in or out of Burma---if at all?

b. Depending upon your answer to a., how would you expect the returns on capital in Burma to change overtime?

c. Suppose that Burma is expected to experience rapid total factor productivity growth for the foreseeable future. Would this affect your analysis of the flow of capital out of or into Burma?

Question # I

Solutions to Inclass
Week of 02/08, 02/00



As the supply of labor increases from Lo to Lo, the real mage declines from Mo to No. Simple ideal, as the supply of labor increas, the price that labor gets paid (i.e. the real mage) should decrease.

B) Very Simple.... More inputs => more output. So having more workers will increase output/real gap.

More L => More Y.



(20) OK, so you own k and recieve R For it.

Does immigration reform affect you???? Yes! It
raises the real rental Rate...

* To see this, recall that $\frac{R}{P} = MPK$ From the Firms optimization problem. So to rephase the

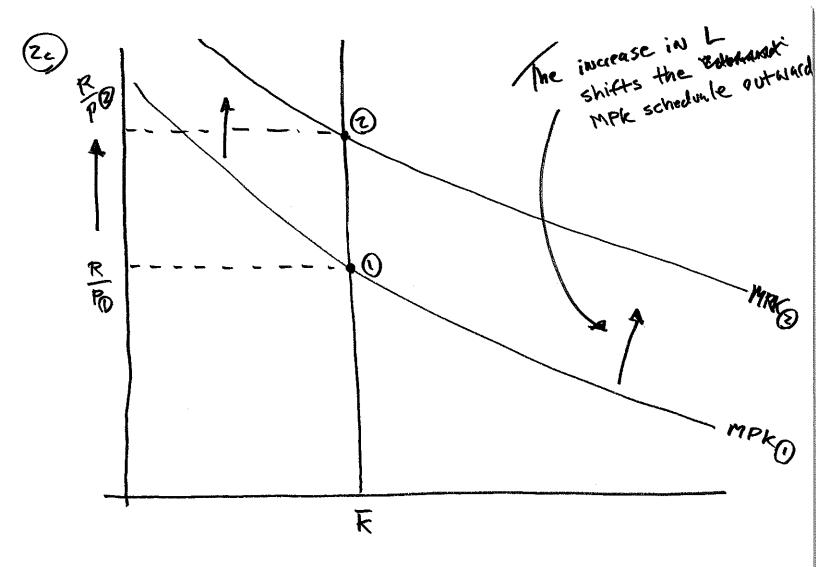
the firms optimization problem. So to rephase the guestion, does LA affect the MPK?

Yes, to see this note that with the cold-Douglas production sunction we have ... y = F(R,L), L4, so $y \neq MPR = d \frac{Y}{L}$

Because Yt, this implies MPKt, and

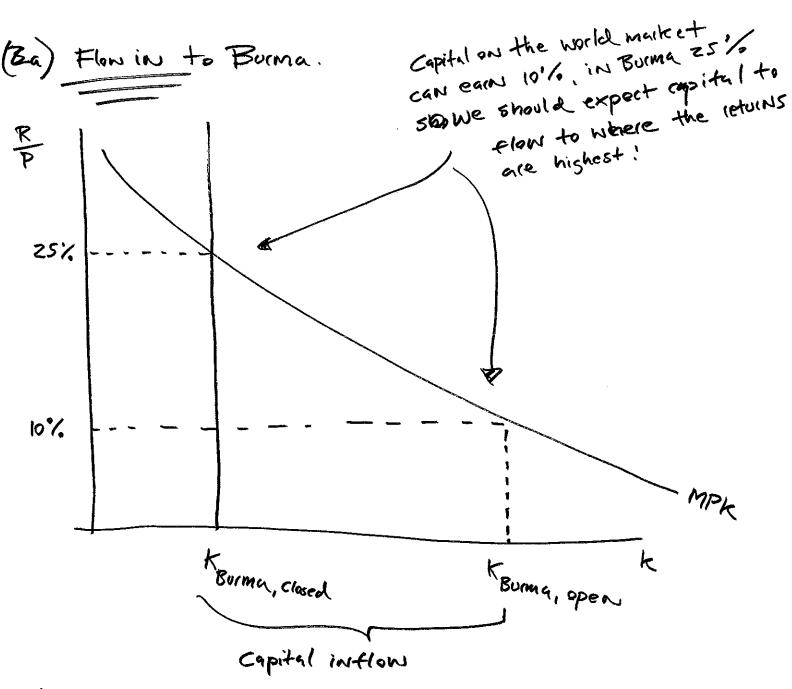
R is going up. So as a capitalist, you benefit!!!

* Grophically, you can illustrate this in the following way



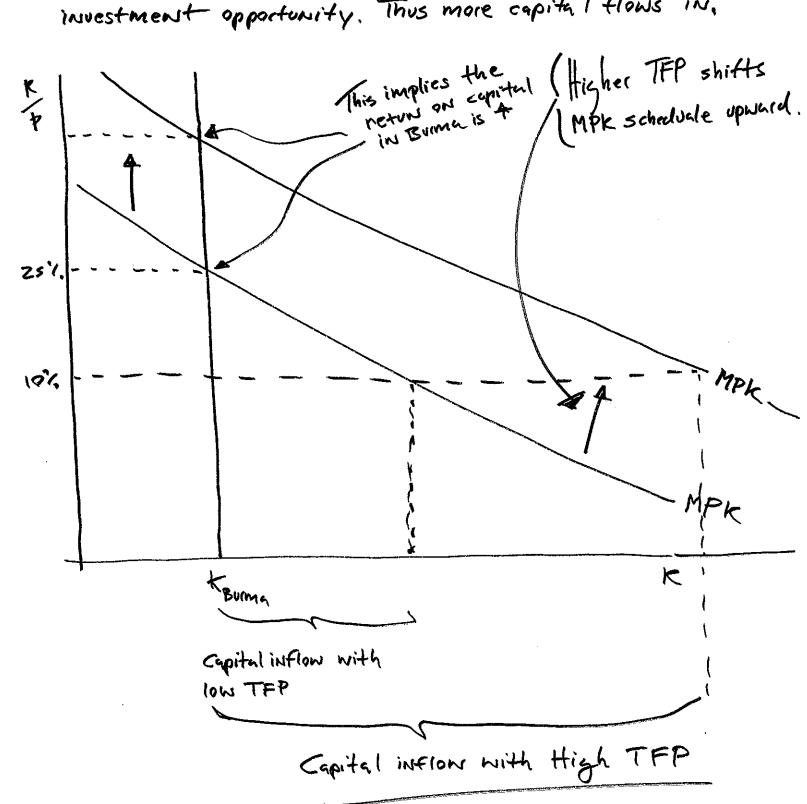
Intuitivly, what is going on here is having more workers make Capital more valuable. That's why the "demand curve" for capital is shifting out in this way. Now that capital is more valuable, this should raise the price that capital recieves.

- Zd Yes. It apital can be accumulated, you should suspect two things.
 - (1) As kt, this should increase MPL and real wages offsetting the effects described in (a)
 - 2) As K4, returns on capital will go back down as we move glong the New MPK scheduale.



* So capital Flows into Burma until the Return on capital in Burma is equalized with the world rate at 10%
This answers 36 A

(Bc) II just increases the returns to capital in Burma, and thus makes it look like a more attractive investment opportunity. Thus more capital flows in.





Why does MPK scheduale shift out ???

So recall MPK = $\frac{Y}{K}$

 $= \propto \frac{AK^{Y}L^{1-\lambda}}{K}$

Where A = Total Factor Productivity.

Now notice, if A A, this raises the MPK at any level of capital.

In other words, this makes capital much more valuable at any level of capital in the economy, hence the curve shifts out.

Note... this almost the exact same argument in (20).

An increase in L (in that case) raises the MPK at any level of capital, and thus is represented by a shift in the MPK schedule.

