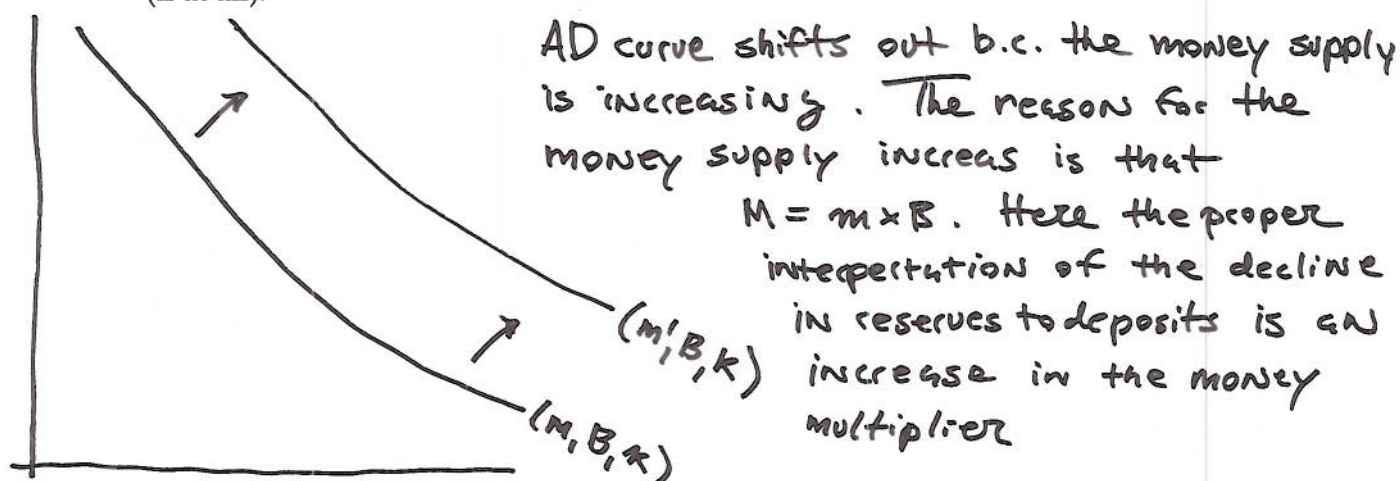


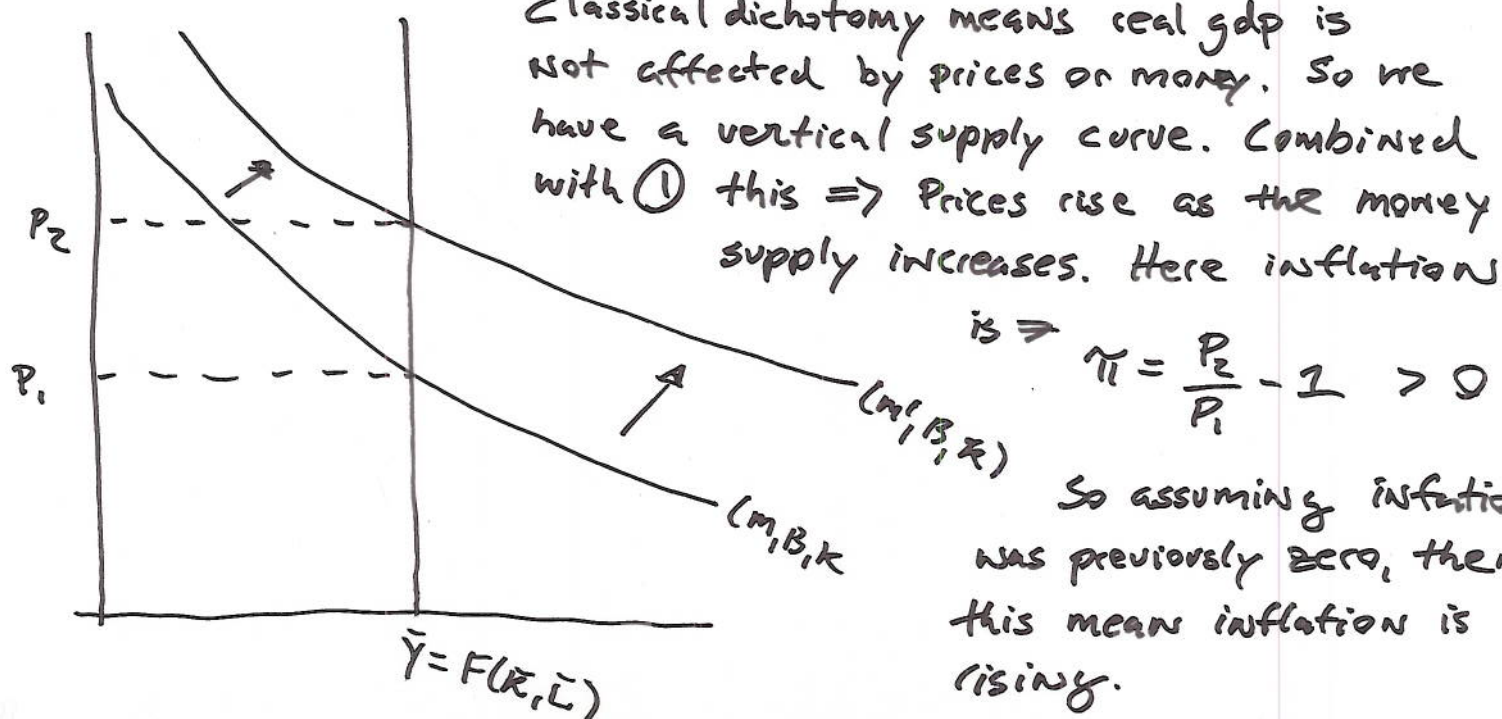
Escape From QE

Below are several questions about possible scenarios and escape paths for the FED from quantitative easing. To keep things simple, assume that real GDP is not affected by monetary factors, i.e. the classical dichotomy holds.

1. Because the economy is heating up, banks begin to reduce the ratio of reserves relative to deposits (i.e. they lend out a larger fraction of their deposits.) Describe and illustrate how this will affect (i) the money supply and (ii) aggregate demand (if at all).



2. Assuming that the classical dichotomy holds, describe what happens to inflation?



3. Suppose that the FED's objective is to stabilize the price level at the level prior to the economy heating up. Should it intervene in response to banks changing their lending decisions? How could the FED intervene by using open market operations?

Yes, it should reduce the money supply to push the AD curve back in. With OMO, the FED would sell bonds in return for reserves from the banks. These reserves are removed from the system and the monetary base $B \downarrow$. This implies the money supply \downarrow as $M = m \times B$. This is what their Balance Sheets would look like.

FED		Banks	
A	L	A	L
- T-Bills	- Reserves	- Reserves	+ T-Bills

4. In conjunction with open market operations, the FED decides to change the amount of interest it pays on reserves. How would it want to change the interest rate it pays on reserves? How would this affect banks' lending decisions? Would this affect the monetary base or the money multiplier?

Paying interest on reserves and increasing the amount it pays would decrease the money multiplier. The idea here is that paying interest on reserves will give Banks disincentives to lend out their reserves, thus reducing their lending activity/"money creation". This would lead to a reduction in the money supply.