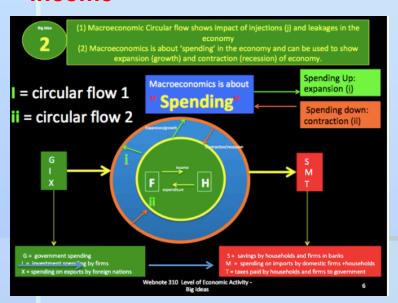
section 2.2 AS +AD

Webnote 227

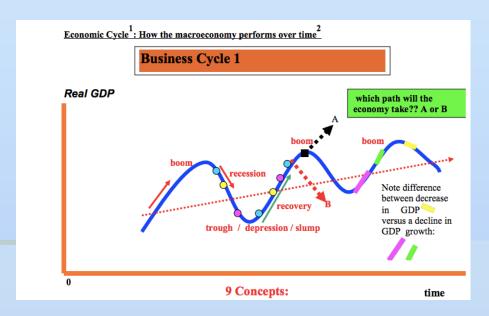
Using AS + AD to understand the management of a macroeconomy

Macro Views

Macro circular flow of income



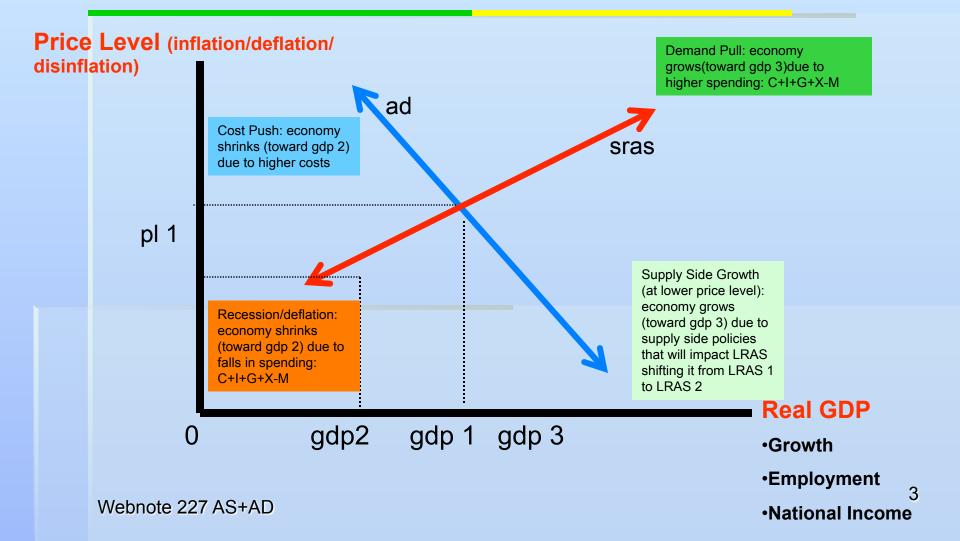
Macro business cycle



What can happen in the macro economy? 4 alternatives.

see webnote 328 (recessionary gap)

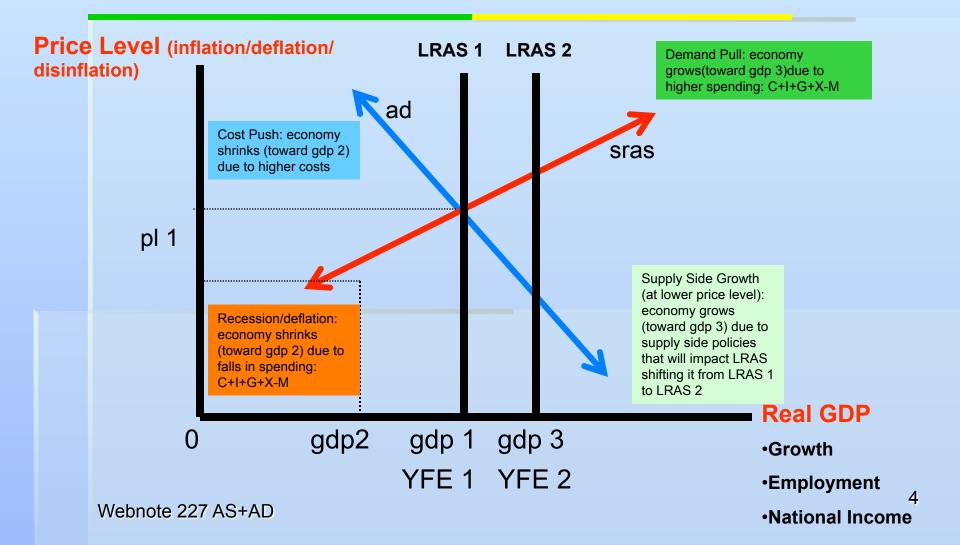
Read Blink pp 193-194



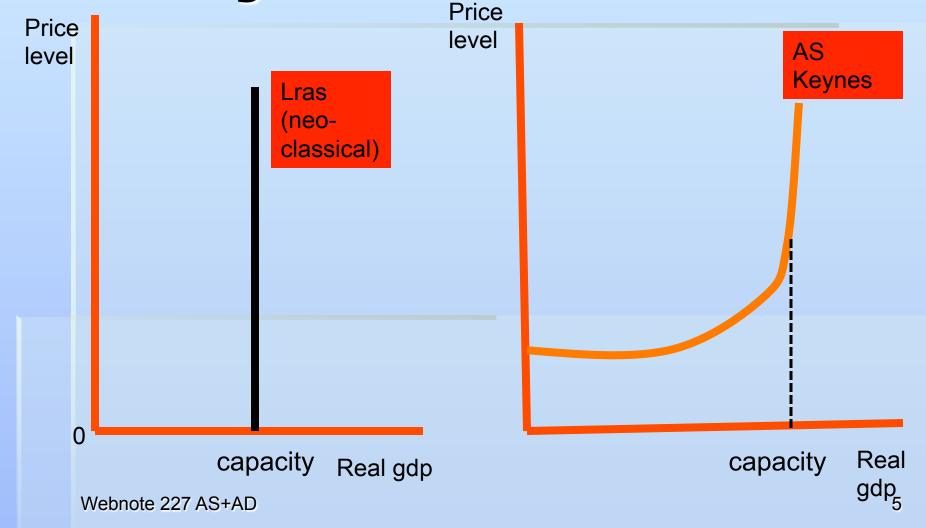
What can happen in the macro economy? 4 alternatives.

see webnote 328 (recessionary gap)

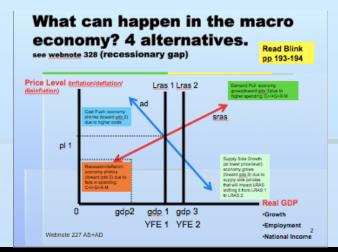
Read Blink pp 193-194



Lras (neo-classical) + AS Keynesian



What cause a shift in AS?



SRAS

LRAS

- 1. WAGE RATES: rise or fall
- 2. RAW MATERIALS: costs of inputs rise or fall (e.g. oil)
- 3. IMPORTS- rising import prices cause sras to shift from sras 1 to sras 2.
- 4. TAXES+SUBSIDIES: both affect ability of firms to produce

- 1. Changes in Q + Q of capital investment
- 2. Changes in Q + Q of labour

Supply side policies - see webnote 261 to understand how to shift LRAS

Diagram A: Aggregate Demand / Aggregate Supply Model in the Short Run

AS-AD to Manage economic objectives

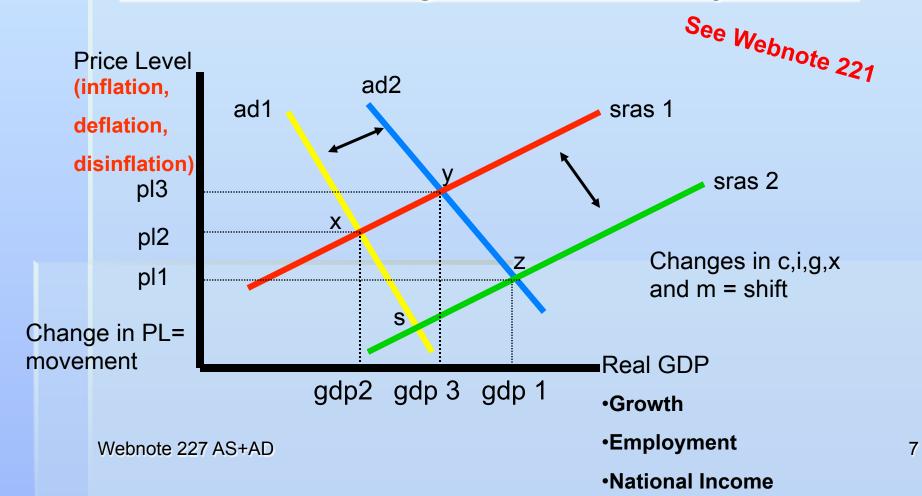
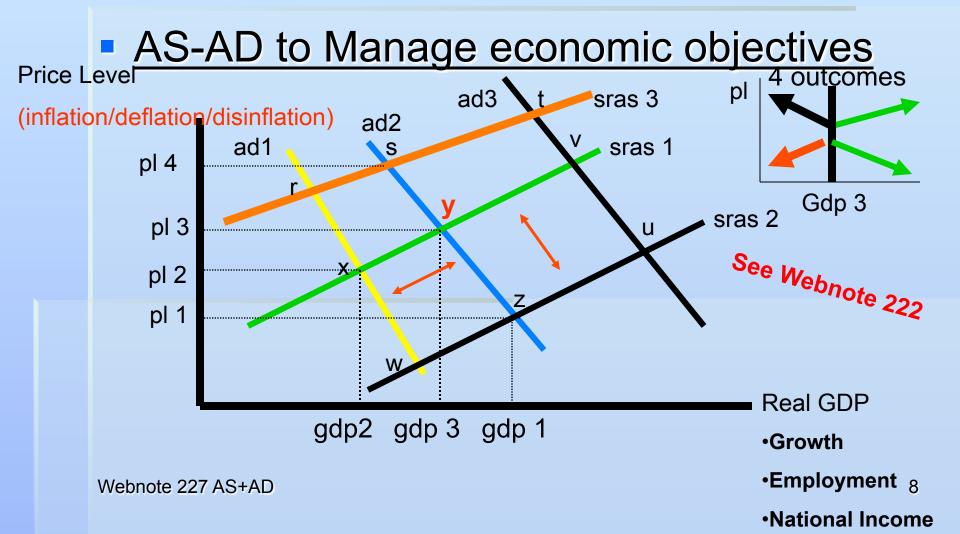


Diagram B: Aggregate Demand / Aggregate Supply Model in the Short Run

See webnote



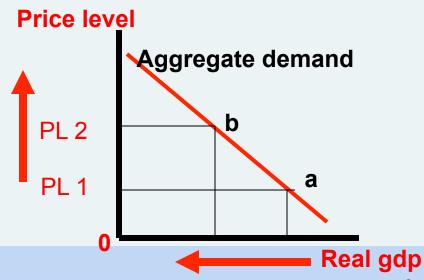
What causes a movement in AD?

$$Ad_{\text{(expenditure)}} = c + i + g + (x-m)$$

- AD downward sloping as like the micro demand curve (see intro webnote 110)
- AD inversely related to PL: price level

gdp 🗸

Why does ad slope downwards? See slide 16

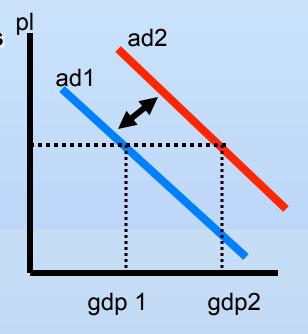


Webnote 227 AS+AD

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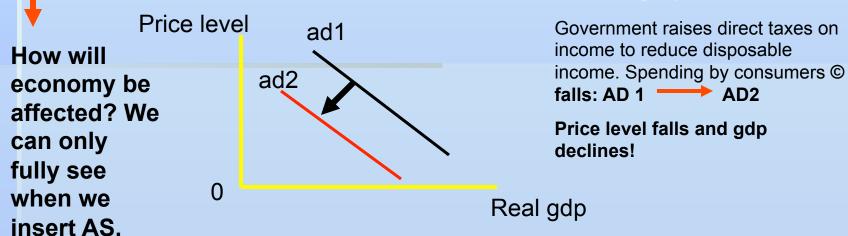
What causes a Shift in AD?

- 1. Fiscal policy-e.g. + or in direct taxes
- 2. Monetary policy- +or- in interest rates
- 3. Foreign income changes
- 4. Expectations www.ifo.de LL
- 5. External (outside economy)
 shocks oil



What causes a Shift in AD? example

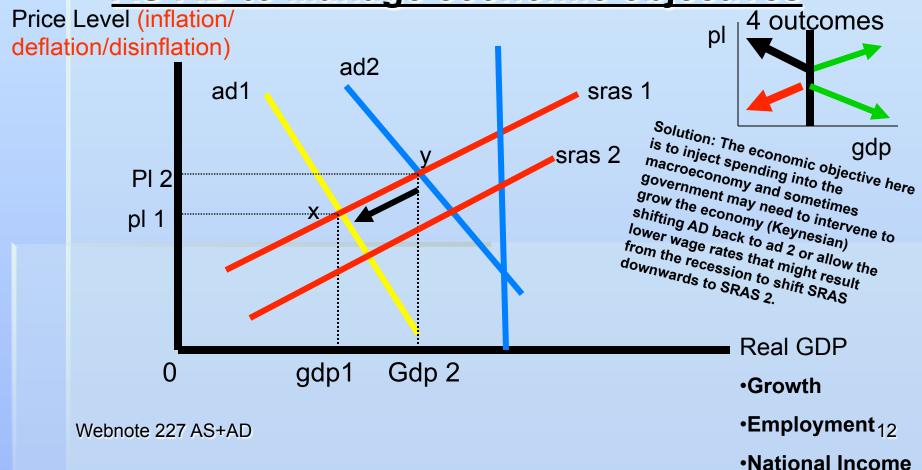
- Fiscal policy: example of how it affects
 AD
- Government intends to leak the economy because of a fear of inflationary pressure



What causes a Shift in AD? example

Recession (2 consequetive quarters of declining growth). Economy shifts from Y to X and spending falls so that national income changes from gdp 2 to gdp 1 C + I fall creating unemployment / slack in the economy and price level adjust to pl1.

AS-AD to Manage economic objectives

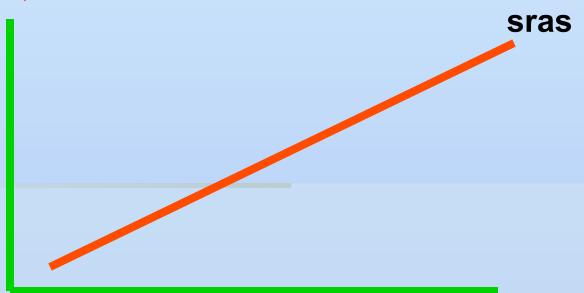


Points to note about AD

- 1. AD downward sloping as the micro demand curve (refer to real balance, interest rate and net export effects see last slide on this presentation)
- AD inversely related to PL + shows the PLANNED level of spending at different price levels by H, F, G and Trade sector.
- 3. AD represents spending of consumers (H), investors (I), government (G), and foreigners (X-M).
- Govt. policy should therefore attempt to control AD to ensure equilibrium in the economy i.e. growth + stable prices.
- 5. Whatinfluences Consumption?
- 6. Live Link see UTUBE 2.2 clip 5 Consumption and AD 8/10
 What influences Investment? See web 313 (syllabus 2.5) for 4 influences on Investment (I)

AS (aggregate supply)

Price Level (inflation/deflation/disinflation)



Real GDP

Growth

Employment

National Income

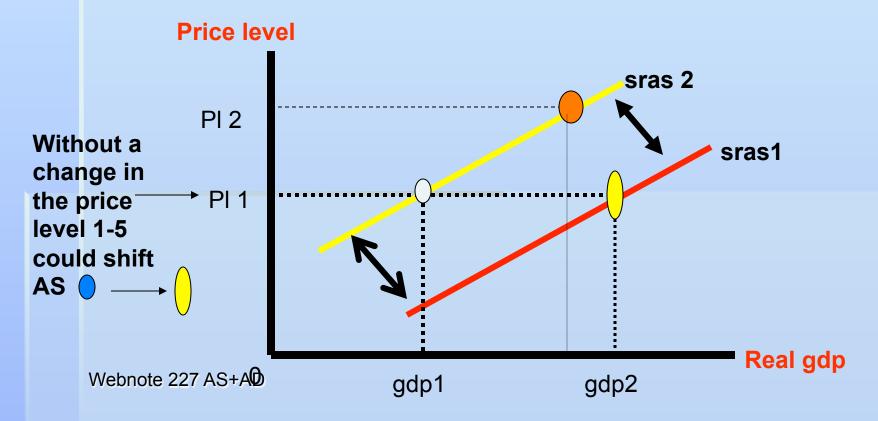
Aggregate supply (AS)of final goods or labour in a whole economy

- Represents total output in an economy
- OR
- Total supply of labour in the macroeconomy.
- Therefore it can be used to show a 'final goods' view or a 'labour' view of the economy

What causes As to shift?

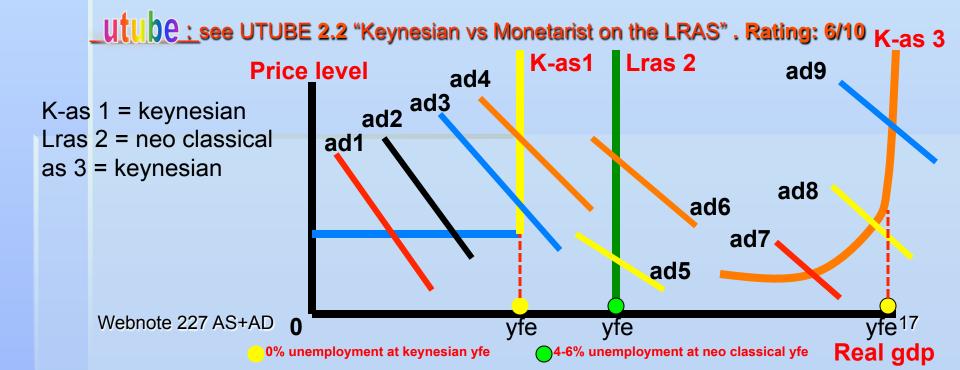
- 1. Changes in Q + Q of capital investment
- Changes in Q + Q of labour

Supply side policies - see webnote 261 shows how government policies can cause output to change



Key Points about LRAS

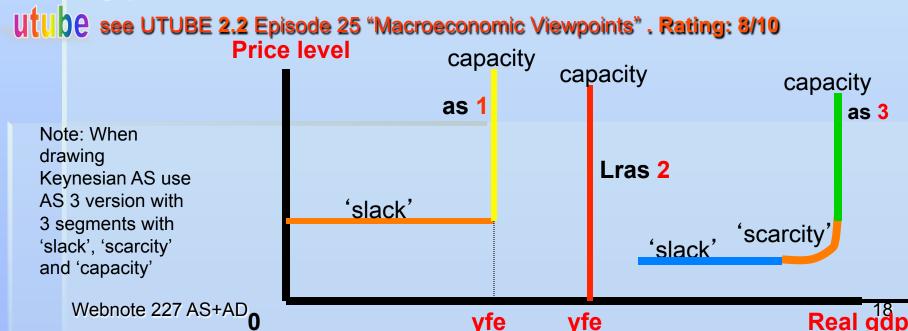
- Features:
- Shape of LRAS curve is disputed see Keynes vs Monetarists (neo classical school, or supply siders)
- The key issue amongst economists is the shape of the AS. To what extent does it take a vertical shape? It is this vertical trend which leads to inflationary pressure
- Alternative interpretations exist as to the shape
- The key issue is at which point the economy is <u>currently operating</u>
- Some sources draw the Keynesian LRAS at a point below yfe indicated below See Cambridge/Tragakes book p 246. The only conclusion to draw from this is that unemployment rate at this point is zero or 0% whereby all resources in the economy are used. The neo classical economists on the other hand see that at yfe the economy is at full employment with an unemployment rate of 4-6%. This is what the monetarists described as the natural rate of unemployment. Keynesian theory does not account for a 'natural' unemployment rate and therefore the conclusion is that the rate of unemployment at the full employment level = 0%. Both of these alternatives are referred to as full employment.



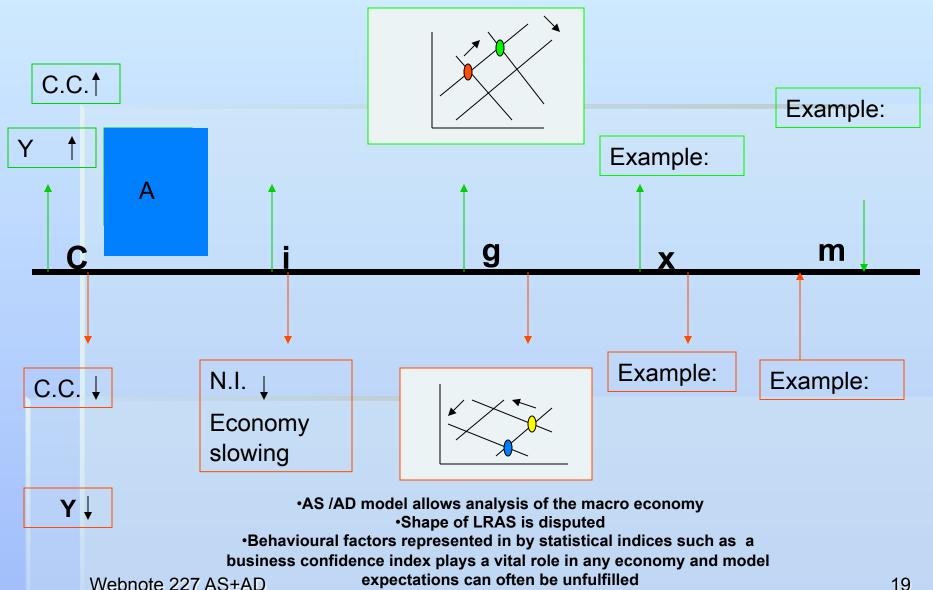
Points about LRAS

Features:

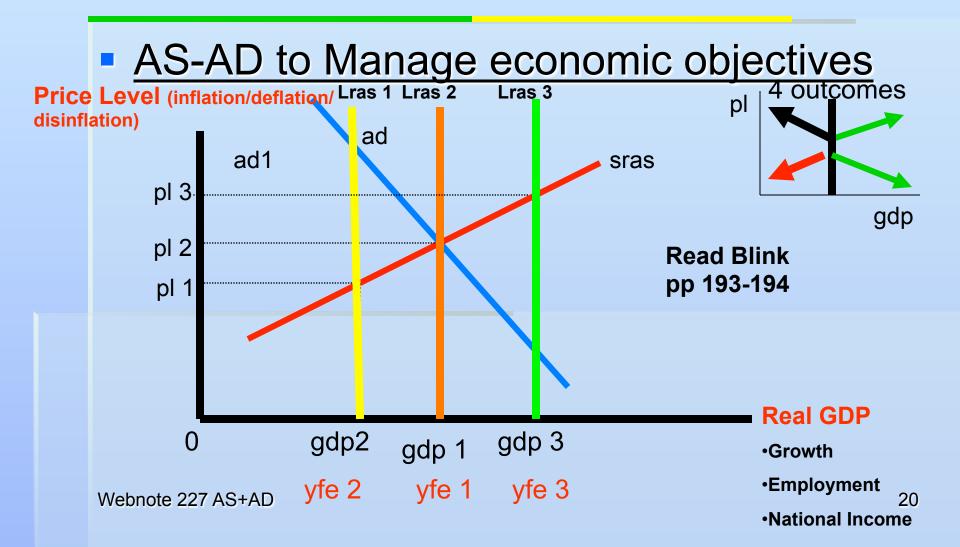
- Shape of (LR)AS curve is disputed see Keynes vs Monetarists
- The key issue amongst economists is the shape of the AS in the long run. To what extent does it take a vertical shape? It is this vertical trend which leads to inflationary pressure
- Alternative interpretations exist as to the shape: you must know these!
- The key issue is at which point the economy is <u>currently operating</u>. <u>See</u>
 <u>gdp Y on slide 3</u>



How to manage an economy?

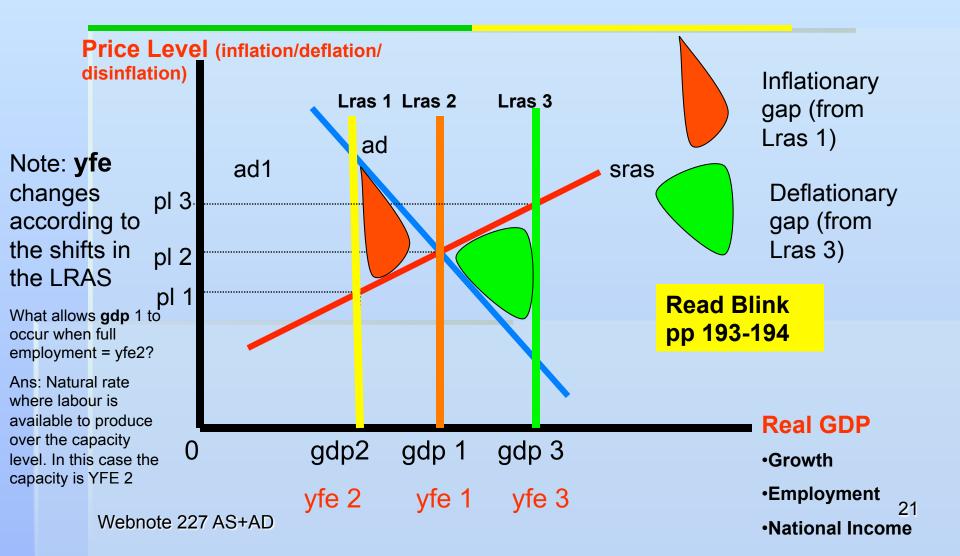


In (de) flationary Gap see webnote 328 (recessionary gap)



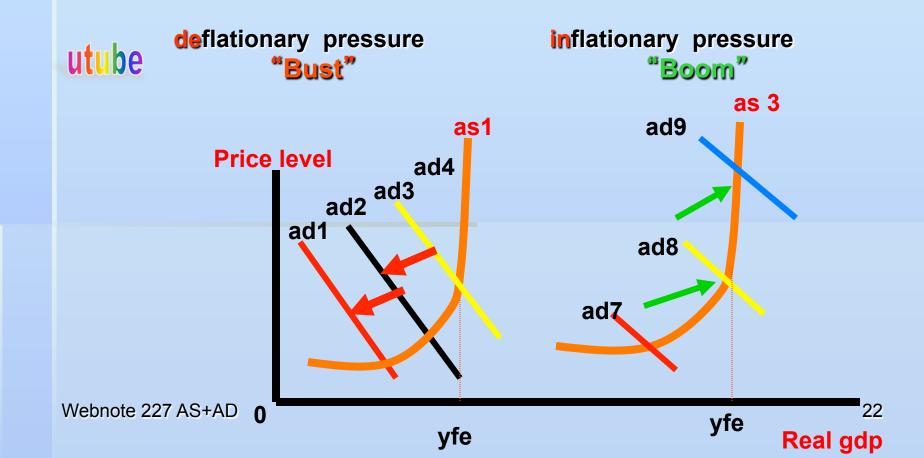
In (de) flationary Gap

see webnote 328 (recessionary gap)



In (de) flationary Gap

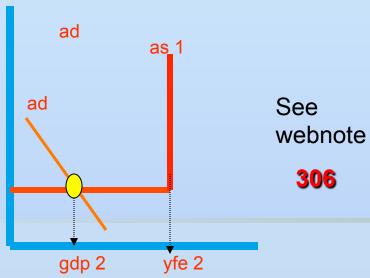
Keynesian concept



In (de) flationary Gap

Keynes

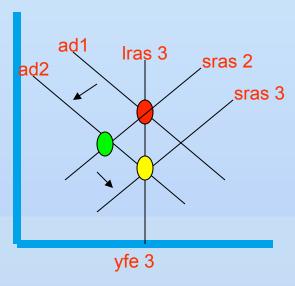
"markets unstable in LR"



Keynes believed the economy could be at a non yfe equilibrium for long periods of time i.e. gdp2 and would not adjust to capacity without government intervention

Friedman

"market stable" in LR



Friedman believed that the economy was largely self adjusting and would return automatically to yfe 3

Short run vs long run

- Macroeconomic Short Run: prices of final goods change but not factor prices. There is a time lag. (time lag is a delay period of time between an action and a response)
- 2. Macroeconomic Long Run: prices of goods include the changes to factor prices i.e. costs of factors of production increase

Do firms want ZERO inflation? No, not really! Firms like stable (1-2%) inflation as they see total revenues rising but workers are not asking for higher wages in the short run i.e. factor costs not rising in short run. This gives firms the opportunity to raise prices (sometimes above the cost increases and therefore raise revenues in turn raising profits)

exam focus

- SL paper 1 2010-May
- 2a Aggregate demand consists of consumption, investment, government spending and net exports (exports – imports). Explain two factors that may influence investment and two factors that may influence net exports.
- 2b Evaluate the effectiveness of and increase in investment expenditure on the performance of an economy.
- <u>15/25</u>

Bib to read:

- Blink chapters 14 +15
- Triple A + Tutor2U+ BIZED
- A.G.Anderton 108-115
- Economic Review: Akos Valentinyi, "Monetary policy and interest rates", 20(4), April 2003
- Economic Review: Peter Smith, "Growth and the government", Question and Answer 19(3), February 2002



Webnote 227 AS+AD

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HL Keynesian Multipliersee syllabus item 91

see webnotes 314 and 323
see webnote 703 for examples

$$\begin{array}{ccc}
1 & & & 1 \\
1 - MPC & = & MPS + MPT + MPM
\end{array}$$

- Keynesian multiplier justified G spending
- mpc >1
- 3. 100 m injection (J) would result in a > 100 m increase in N.I.

Why is AD negatively sloped? (movement along ad see syllabus item 82)

note: 1 to 3 below are for a rising price level i.e. inflation. What is movement effect of a changing price level. This movement is explained by 1-3 below.

Rising price level:

Falling price level:

ad inverse relationship

wealth effect or "real balance"/ savings effect:

the real value of bank deposits. When people feel poorer then they tend to spend less i.e. AD falls as PL rises. Rising prices tends to make people feel poorer. Then AD falls.

Note: when prices rise the value of bank balances fall

- 2. "net export" effect (X-M):
 - rising price level in the domestic economy makes exports more expensive and imports more attractive i.e. AD falls as PL rises because of foreign trade sector: X-M
- **3.** "interest rate" effect:

if price level rises interest rates for borrowing from banks may be likely to rise over time as government intervene to reduce spending. Interest rates rise and therefore money will become more expensive causing spending (C+I) to fall over time i.e. AD falls as PL rises.

Note: Business and Consumer Confidence is also a factor to consider. Confidence rises then spending rises. Confidence falls then spending falls.

Webnote 227 AS+AD

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