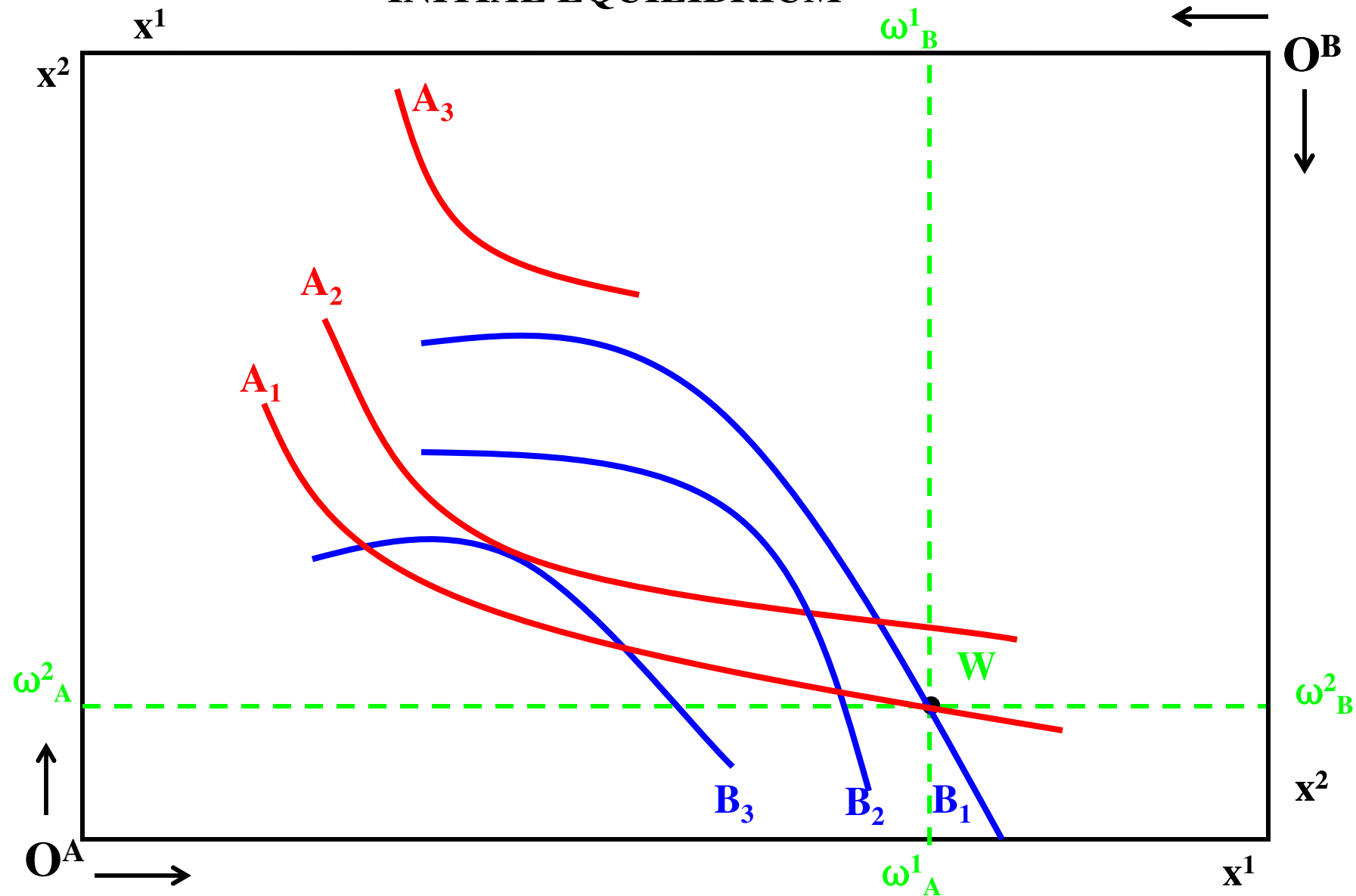


**AE 503**

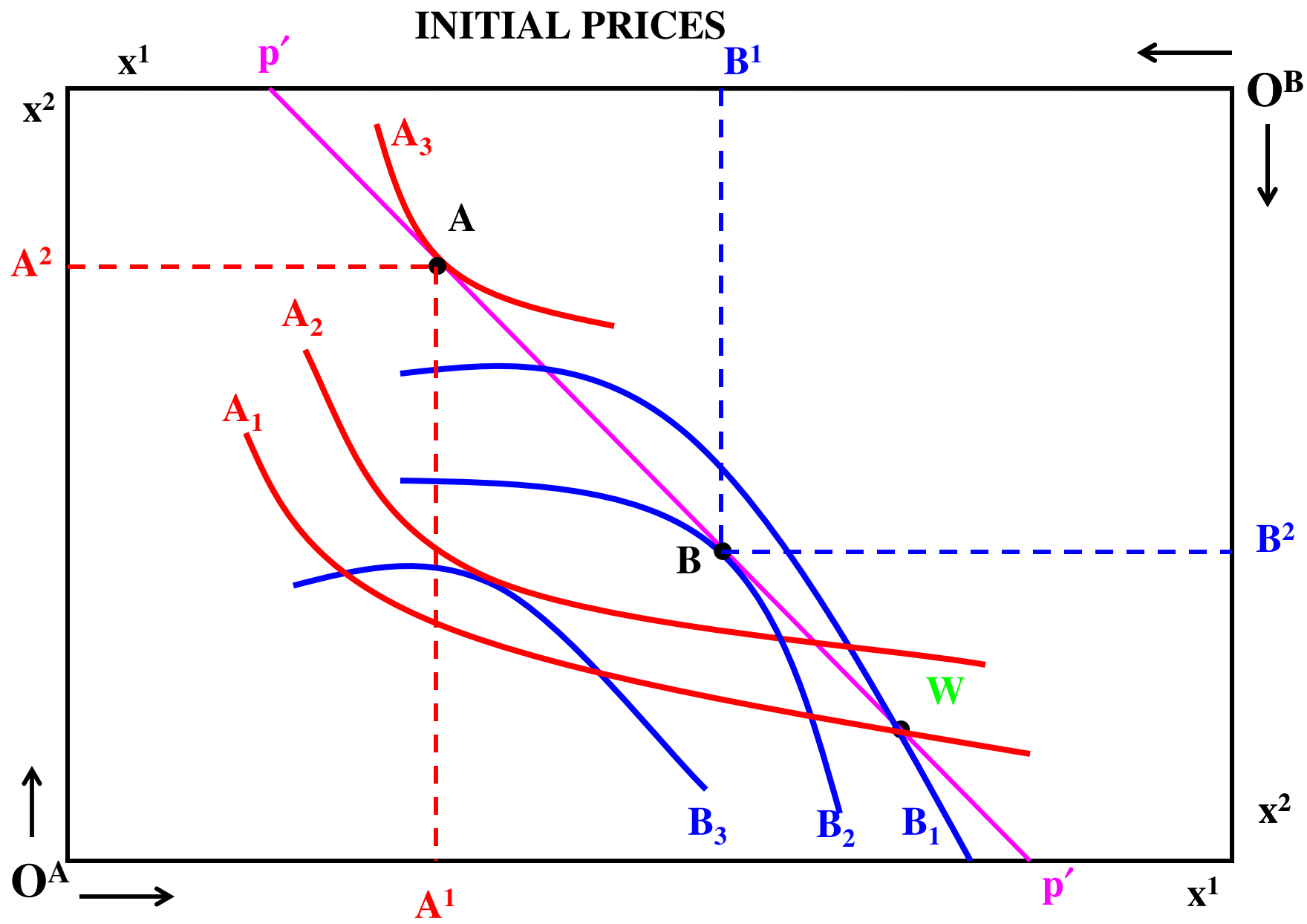
# **COMPETITIVE EQUILIBRIUM**

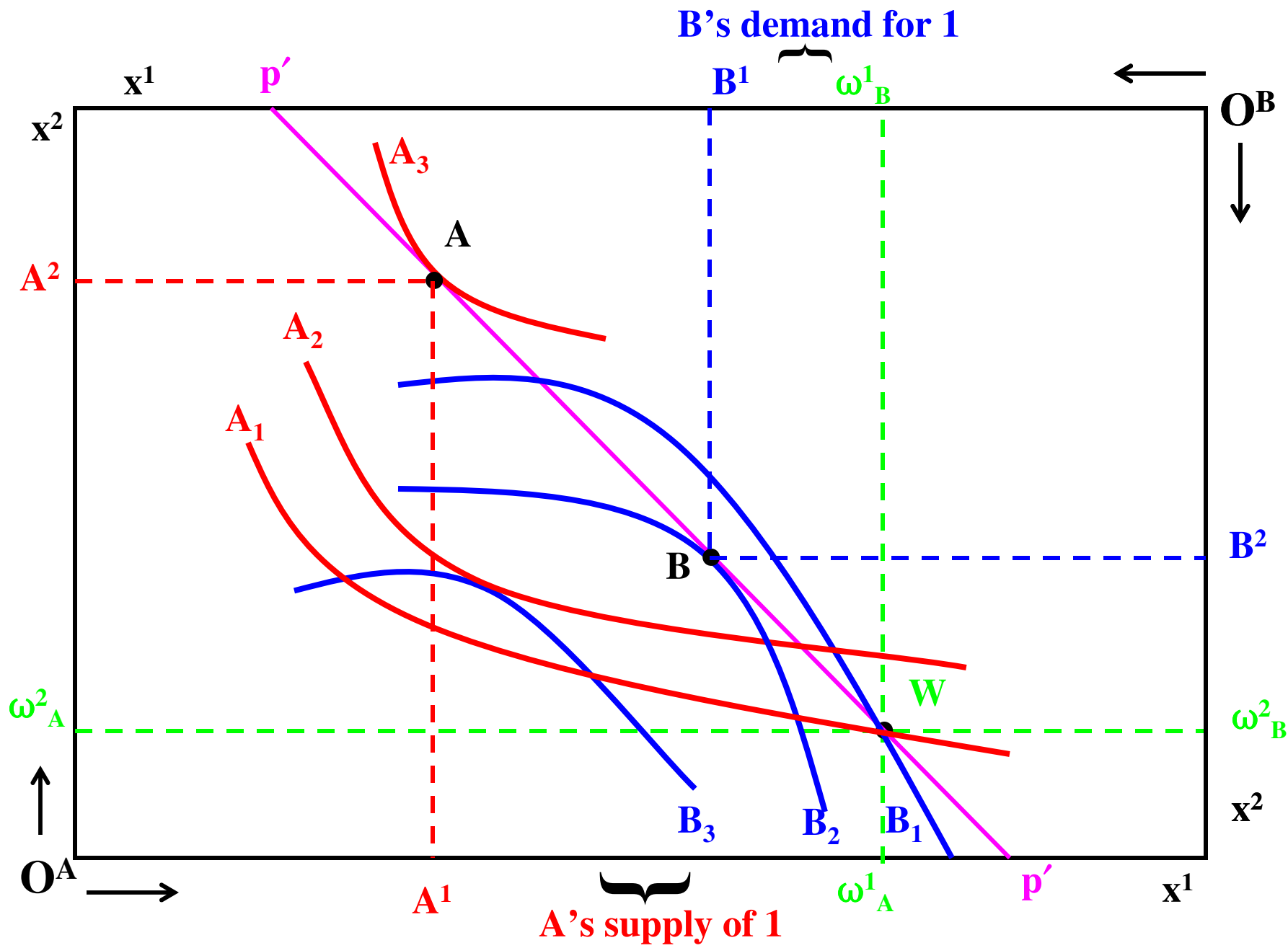
**Professor Ian Sheldon**

# INITIAL EQUILIBRIUM



- Suppose an “auctioneer” calls out prices of fruit and fish
- The first set of prices is given by the budget line  $p'p'$  which has a slope of  $-(p^1/p^2)$
- At these prices:
  - ☞ Consumer A is in equilibrium at point A
  - ☞ Consumer B is in equilibrium at point B
  - ☞ A's supply of good 1  $>$  B's demand for good 1
  - ☞ A's demand for good 2  $>$  B's supply of good 2





■ **For competitive equilibrium:**

☞ **price of fruit  $p^1$  must fall**

☞ **price of fish  $p^2$  must rise**

■ **The equilibrium set of prices is given by the budget line  $p''p''$ , whose slope is less than  $p'p'$**

■ **The competitive equilibrium is at point M where:**

☞  **$-(p^1/p^2) = MRS^A_{1,2} = MRS^B_{1,2}$**

☞ **Demand and supply of good 1 are equal**

☞ **Demand and supply of good 2 are equal**

# EQUILIBRIUM PRICES

