



Price

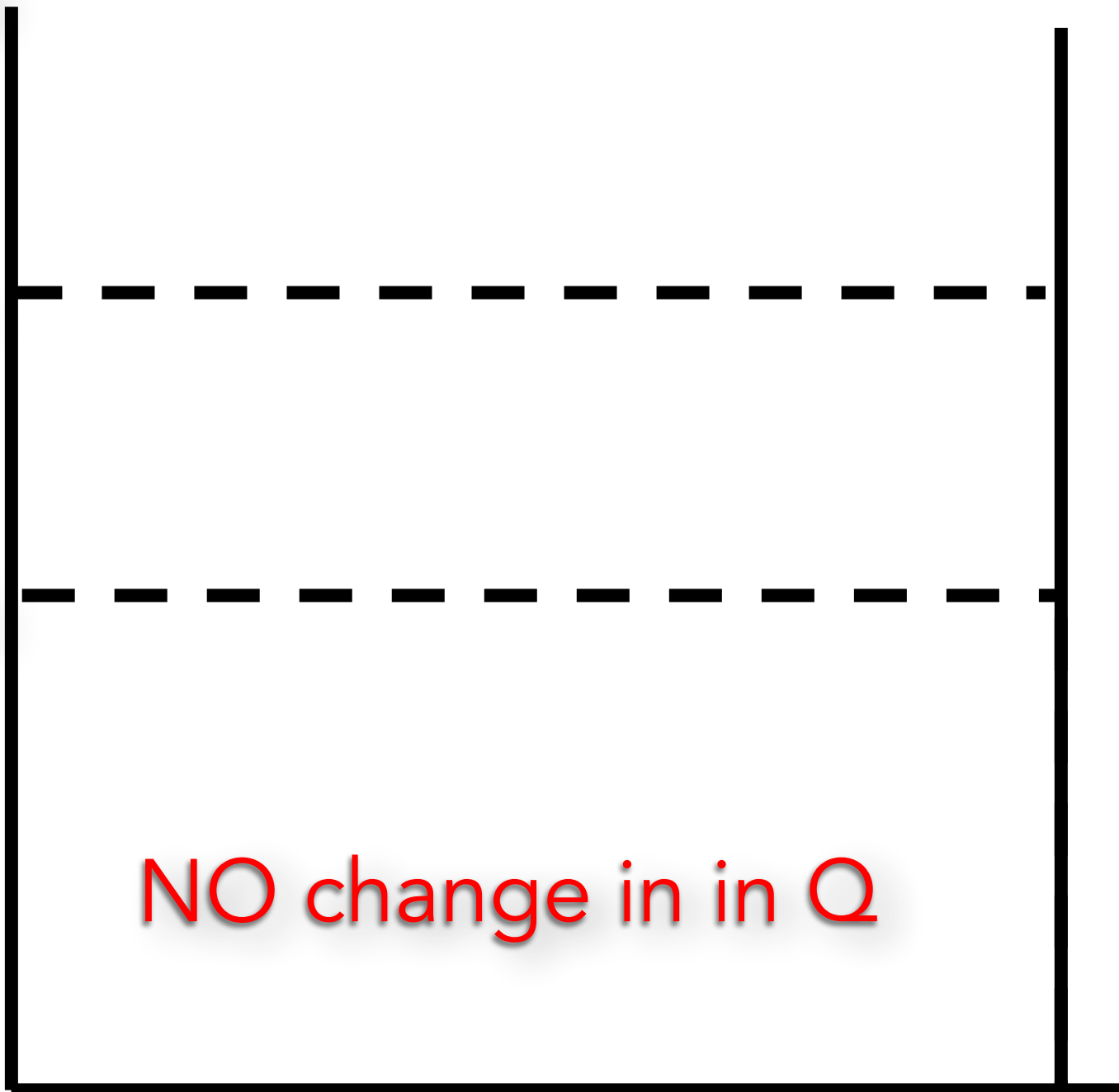
$P_1$

$P_0$

NO change in in Q

0

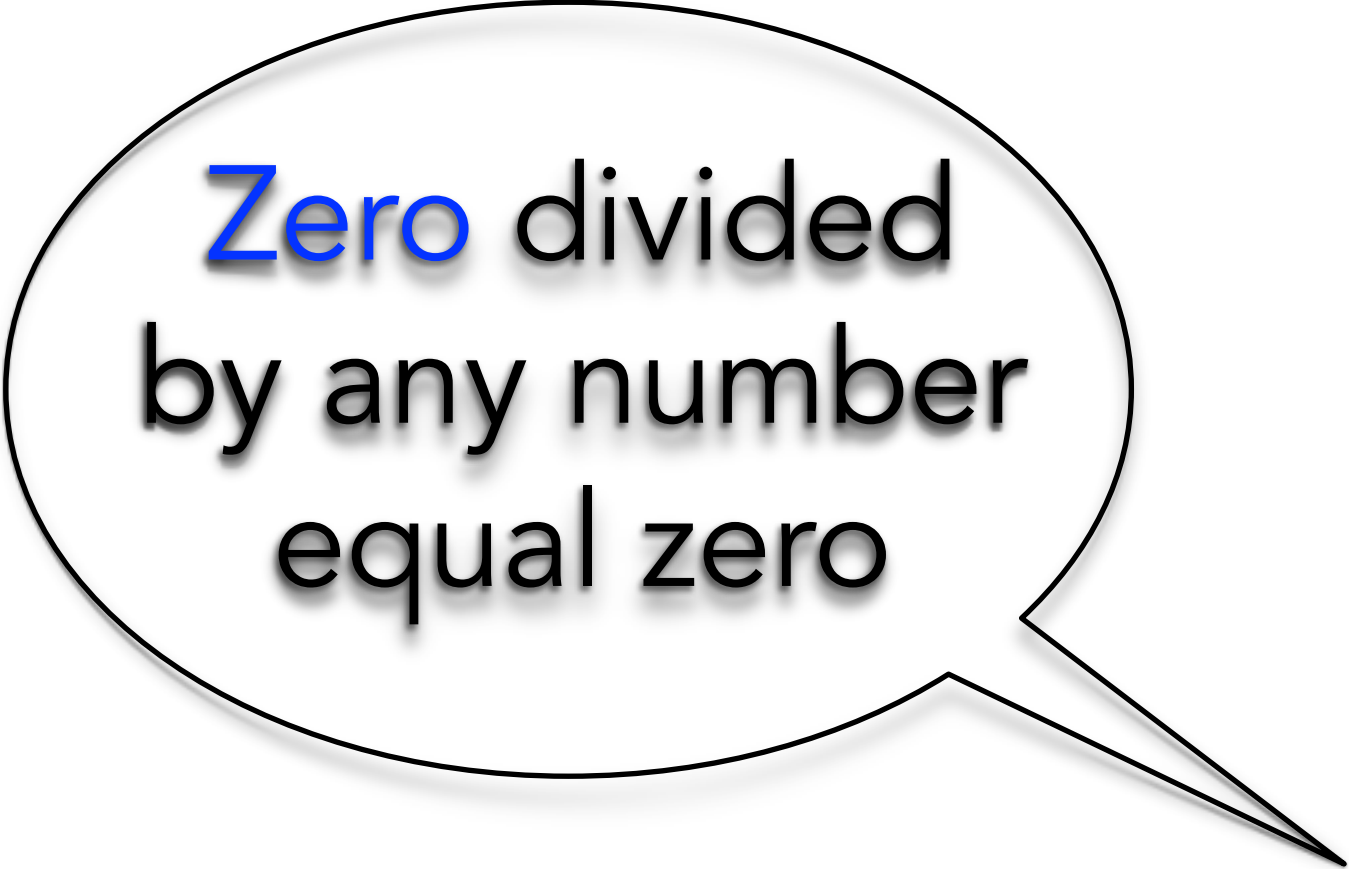
$Q_0$



Demand is Perfectly  
Inelastic

For any increase in price the quantity  
demanded does not change

$$e_{pd} = \frac{\% \Delta Q_d = 0\%}{\% \Delta P = 50\%}$$

A black-outlined speech bubble with a tail pointing towards the bottom right. Inside the bubble, the text "Zero divided by any number equal zero" is displayed. The word "Zero" is in blue, while the rest of the text is in black. The text has a subtle drop shadow.

Zero divided  
by any number  
equal zero

$$e_p d = 0$$

Demand is **Perfectly**  
Inelastic



**Zero** divided  
by any number  
equal zero

$$e_p^d = \frac{\% \Delta Q^d = 0\%}{\% \Delta P = 50\%}$$

$$e_p^d = 0$$

For any increase in price the **quantity**  
demanded **does not change**



$$e_p^d = \frac{\% \Delta Q^d}{\% \Delta P}$$

