

Price

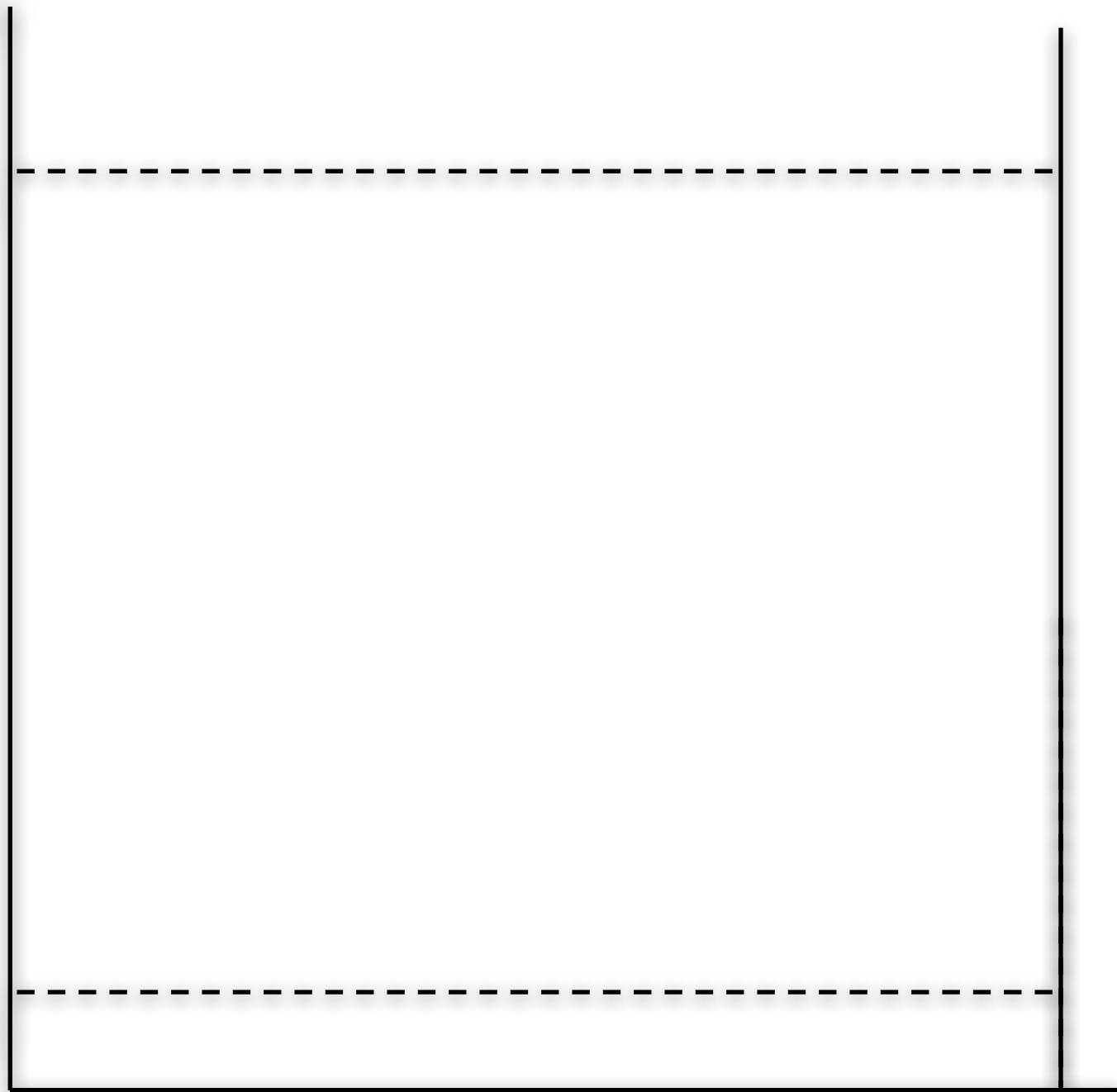
P_1

P_0

0

Q_0

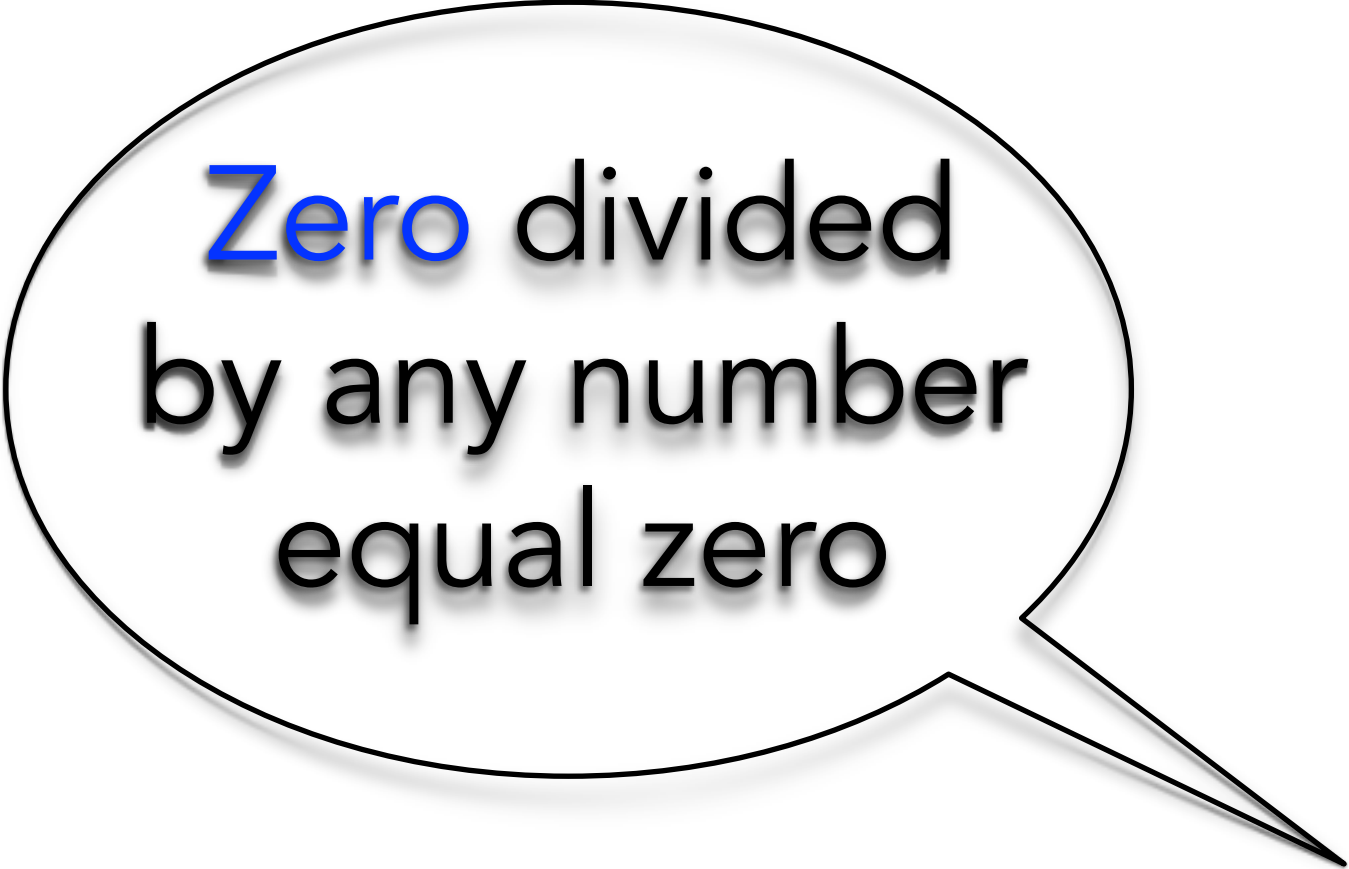
NO change in in Q



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 speech bubble with a black outline and a white fill, containing text. The word 'Zero' is in blue, and the rest of the text is in black. The text is centered within the bubble.

Zero divided
by any number
equal zero

$$e_p d = 0$$

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

$$e_p^d = 0$$

For any increase in price the quantity demanded does not change

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

