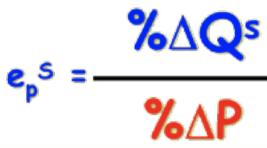# Calculate the **elasticity** between two points

Calculate the S**elasticity** at one point

Calculate the resulting **change in quantity supplied** given the elasticity and the change in price

Calculate the necessary **change in *price*** given the elasticity and the change in quantity supplied

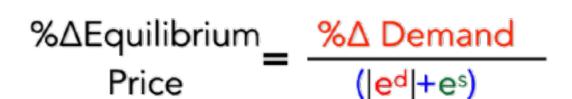Calculate the resulting change in *Equilibrium Price* when demand **shifts** (right or left)

Calculate the resulting change in **Equilibrium Price** when supply **shifts** (right or left)

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

$$\%\Delta Q^s = e_p^{\,s} \times \%\Delta P$$

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

$$\text{\%}\Delta\text{Equilibrium Price} = -\frac{\text{\%}\Delta\text{Supply}}{(|e^d|+e^s)}$$

$$\%\Delta\text{Equilibrium Price} = \frac{\%\Delta\text{ Demand}}{(|e^d| + e^s)}$$

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Use →

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Calculate the necessary **change in *price*** given the elasticity and the change in quantity supplied

Use →

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

Calculate the resulting change in *Equilibrium Price* when demand **shifts** (right or left)

$$\frac{\%\Delta Equilibrium}{Price} = \frac{\%\Delta \, Demand}{(|e^d| + e^s)}$$

Calculate the resulting change in **Equilibrium Price** when supply **shifts** (right or left)

$$\frac{\%\Delta Equilibrium}{Price} = - \frac{\%\Delta Supply}{(|e^d| + e^s)}$$