Price elasticity of demand (PED or Ed) is a measure used in economics to show the responsiveness,

or elasticity of definant (FED of Ed) is a measure used in economics to show the or elasticity, of the quantity demanded of a good or service to a change in its price.
$$E_d = \frac{\frac{P_1 + P_2}{2}}{\frac{Q_{d_1} + Q_{d_2}}{2}} \times \frac{\Delta Q_d}{\Delta P} = \frac{P_1 + P_2}{Q_{d_1} + Q_{d_2}} \times \frac{\Delta Q_d}{\Delta P}$$

Ed = (1.5+2)/(1000+900)*(900-1000)/(2-1.5) = -3.5/1900*100/0.5 = -7/19, so the demand is inelastic or relatively inelastic.