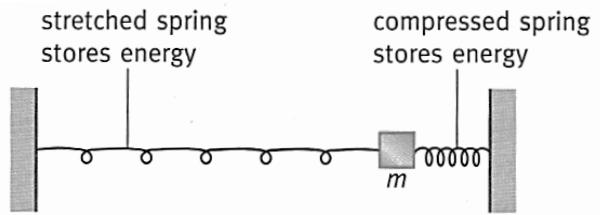


- 15 An object mass m oscillates in simple harmonic motion between two spring as shown below. The amplitude of the motion is x_0 .



What is the ratio $\frac{\text{elastic potential energy of the two springs}}{\text{kinetic energy of mass}}$ when the mass is $\frac{x_0}{2}$ from its equilibrium?

A $\frac{1}{3}$

B $\frac{1}{2}$

C 1

D 3

