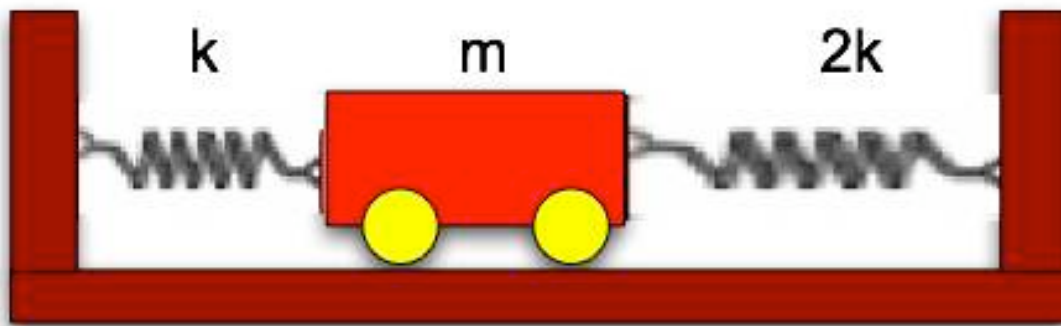


A cart is attached to two heavy walls by two springs as shown in the figure below. Neglect damping effects in the springs and from air resistance, and the moments of inertia and friction in the wheels.



Without writing or solving the equations of motion, what is the frequency with which the mass will oscillate?