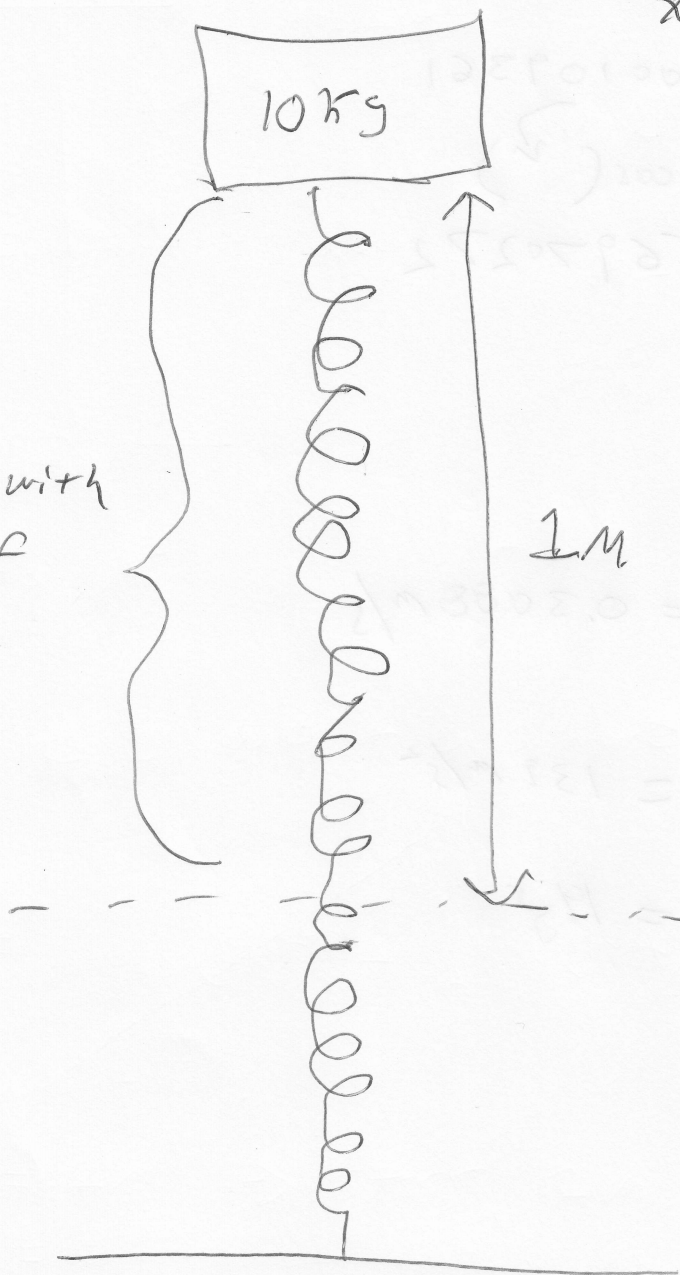


$$x'(0) = 0$$

$$x(0) = 1$$

stretched with
a force of
 $100,000 \text{ N}$



$x = 0$
Equilibrium of
Spring