

### Problem 2.5

A mass  $m_1$  hangs from a spring  $k$  N/m and is in static equilibrium. A second mass  $m_2$  drops through a height  $h$  and sticks to  $m_1$  without rebound, as shown in Fig. P2.5. Determine the subsequent motion.

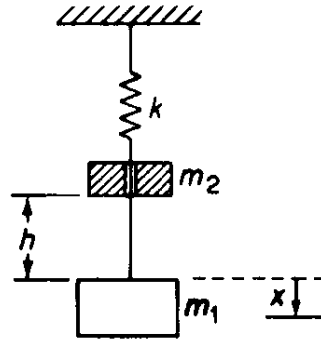


FIGURE P2.5.

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**Solution**