

$$\begin{array}{rcl} 5m & -7v = 0 & \textcircled{1} \\ 3L + m & -8v = 0 & \textcircled{2} \\ 5L + 5m & -2v = 1 & \textcircled{3} \end{array}$$

$$\textcircled{4} + 2 \times \textcircled{5}$$

$$-48v = -3 \Rightarrow \underline{v} = \frac{1}{16}$$

$$m = 7 \quad v = 7$$

$$m = \frac{7}{5} \quad v = \frac{7}{80}$$

$$L = \frac{\frac{5}{8}v - m}{3} = \frac{\frac{7}{10} - \frac{1}{16}}{3} = \frac{102/160}{3} = \frac{17}{80}$$