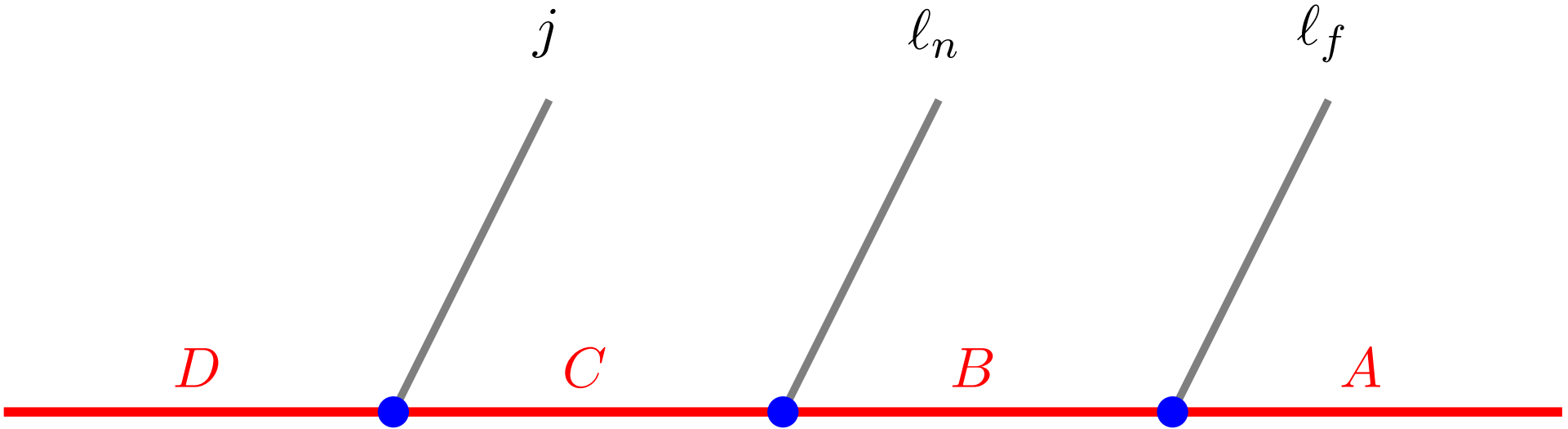

$$R_{CD} = \frac{m_C^2}{m_D^2} \qquad R_{BC} = \frac{m_B^2}{m_C^2} \qquad R_{AB} = \frac{m_A^2}{m_B^2}$$