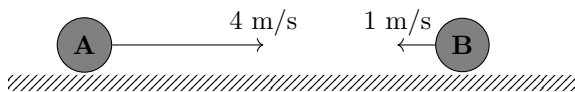# Elastic Collisions

Two balls shown below ($m_A = 0.15$ kg and $m_B = 0.18$ kg) are constrained to move in one dimension. If they undergo a totally elastic collision, what is the final velocity of each ball?

What if the collision is totally inelastic?