## Serway-Jewett 9.27

position shown, at height h=5.00 m above the flat part of the track. Protruding from its front end is the north pole of a strong magnet, which repels the north pole of an identical magnet embedded in the back end of the block of mass m2=10.0 kg, initially at rest. The two blocks never touch.

in the figure. The block of mass m1=5.00 kg is released from the

Calculate the maximum height to which m1 rises after the elastic collision.

