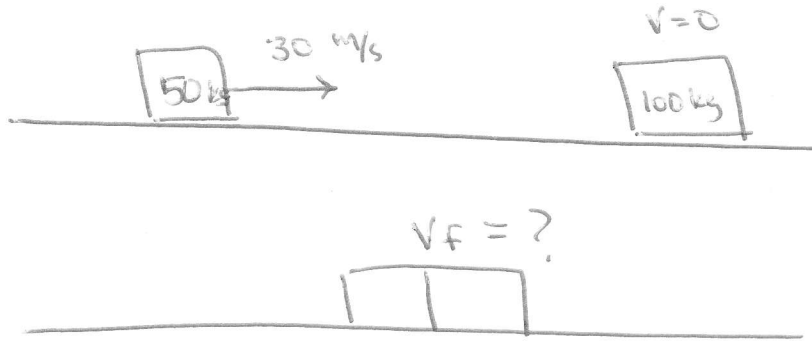


3)



4) Find  $\vec{v}_{if}$  and whether energy is conserved.

