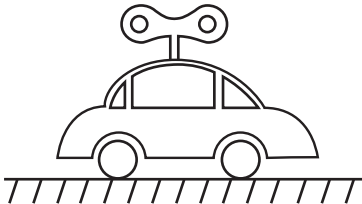


$$v_f = 0$$



At time t_f