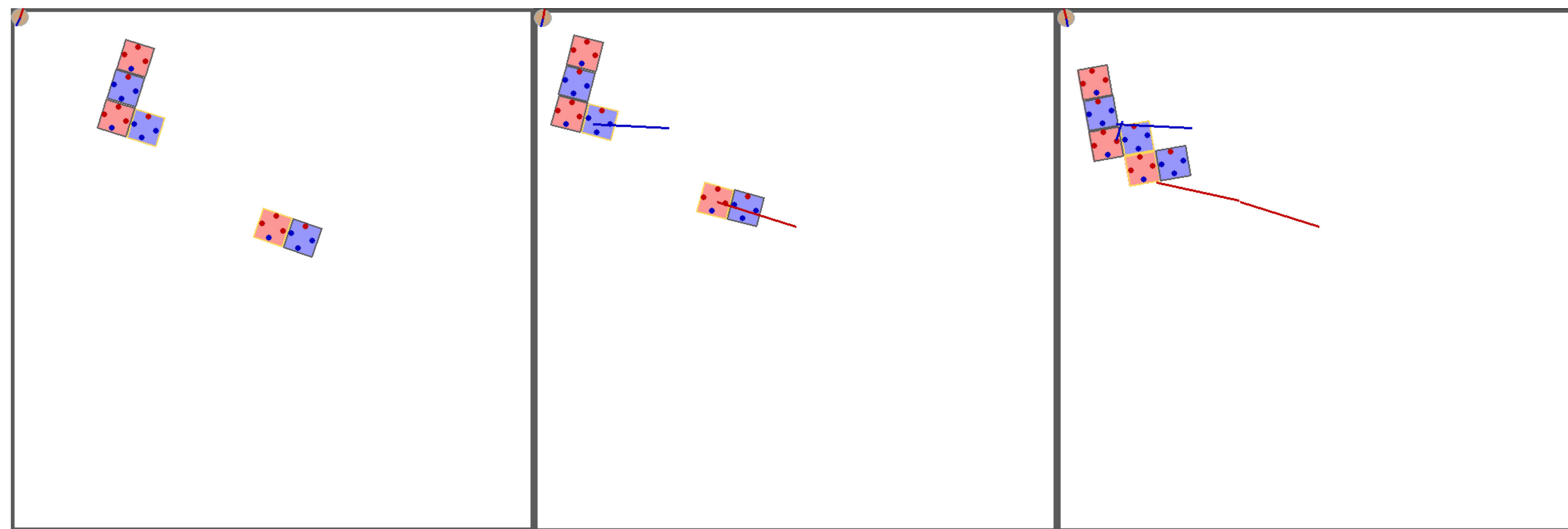
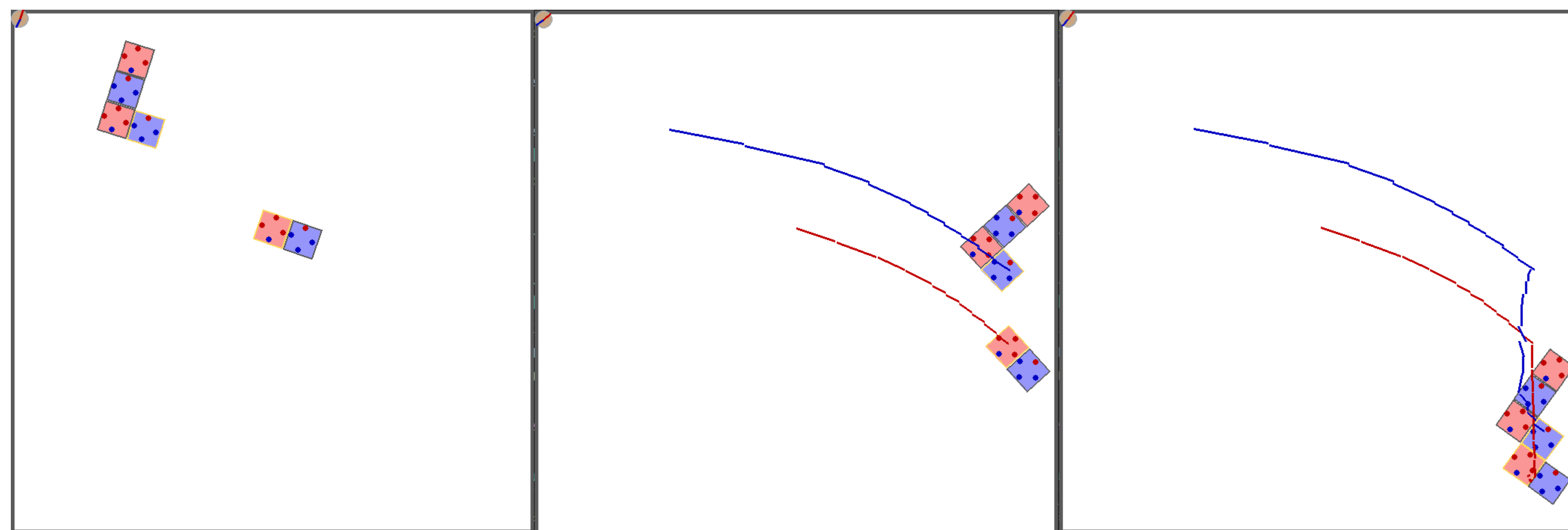


a)



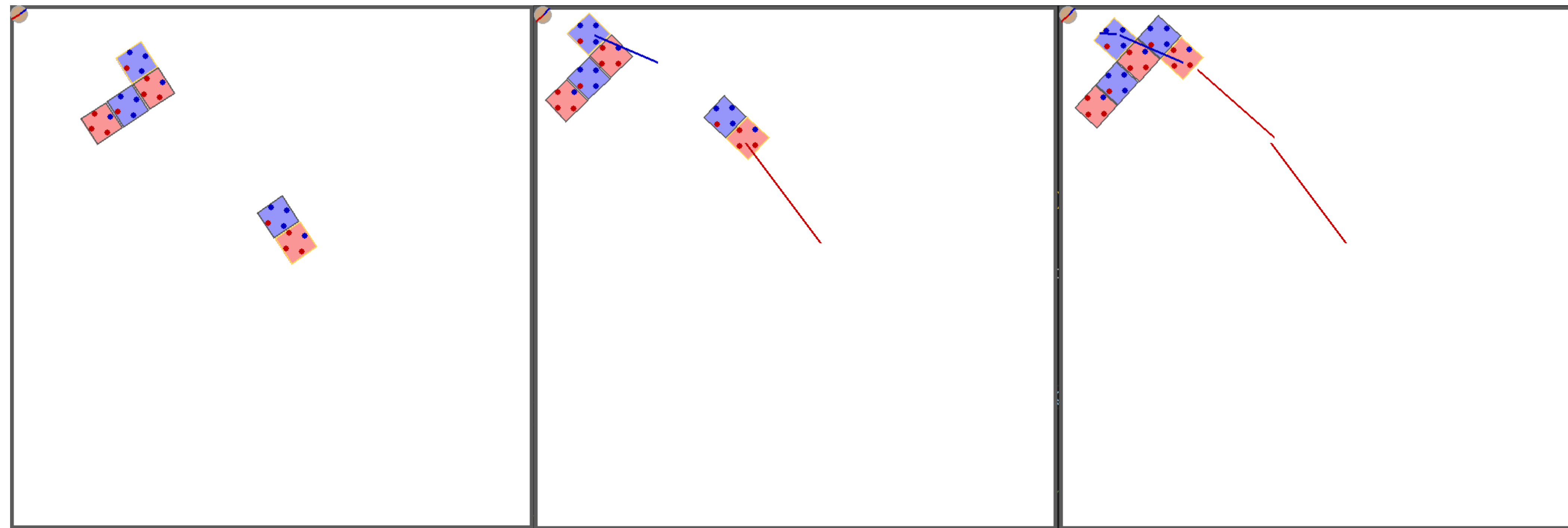
$\vec{w} = \vec{W}$
 $\vec{m} = \vec{W}$
 success
 13.9 rad

b)



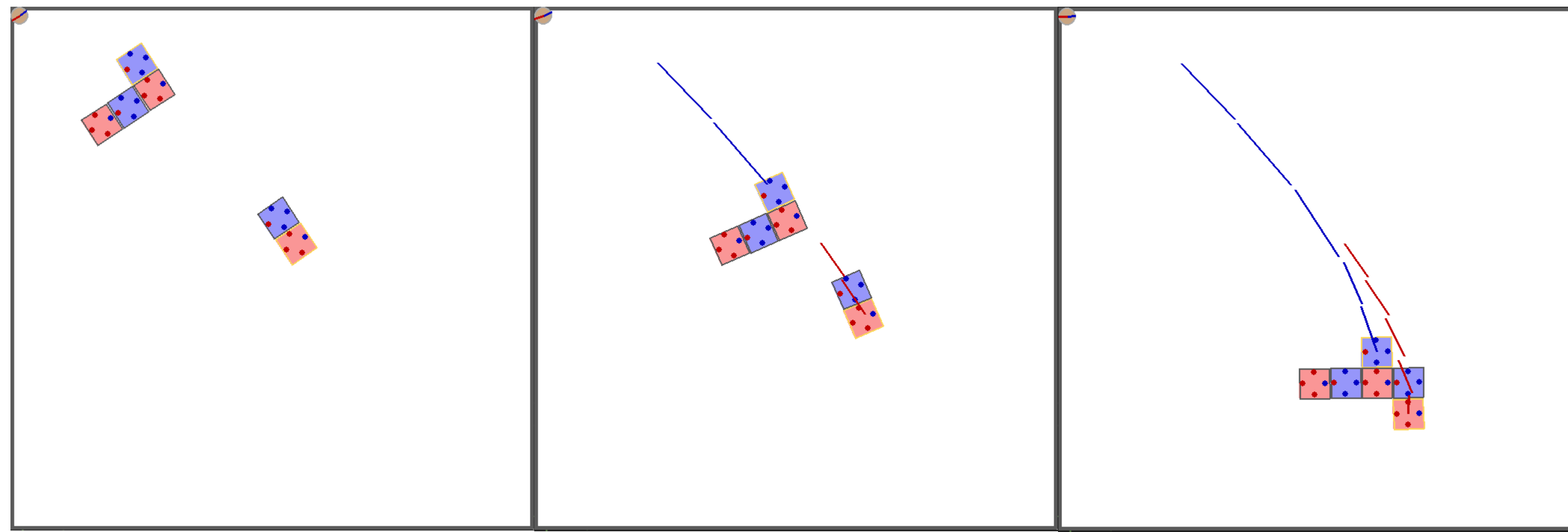
$\vec{w} = \vec{E}$
 $\vec{m} = \vec{W}$
 success
 33.6 rad

c)



$\vec{w} = \vec{E}$
 $\vec{m} = \vec{E}$
 failure
 14.8 rad

d)



$\vec{w} = \vec{W}$
 $\vec{m} = \vec{E}$
 failure
 21.5 rad