



Risolvere i seguenti esercizi sugli urti elastici unidimensionali tra due carrelli:

Esercizio 1:

m_1 (kg)	m_2 (kg)	v_{1i} (m/s)	v_{2i} (m/s)	v_{1f} (m/s)	v_{2f} (m/s)
5,0	2,0	+3,0	-4,0	?	?

Esercizio 2:

m_1 (kg)	m_2 (kg)	v_{1i} (m/s)	v_{2i} (m/s)	v_{1f} (m/s)	v_{2f} (m/s)
6,0	1,0	4,0	2,0	?	?

Esercizio 3:

m_1 (kg)	m_2 (kg)	v_{1i} (m/s)	v_{2i} (m/s)	v_{1f} (m/s)	v_{2f} (m/s)
1,0	6,0	4,0	2,0	?	?

Esercizio 4:

m_1 (kg)	m_2 (kg)	v_{1i} (m/s)	v_{2i} (m/s)	v_{1f} (m/s)	v_{2f} (m/s)
2,0	2,0	3,0	?	-2,0	?

Esercizio 5:

m_1 (kg)	m_2 (kg)	v_{1i} (m/s)	v_{2i} (m/s)	v_{1f} (m/s)	v_{2f} (m/s)
100	1,0	0,0	-5,0	?	?

Esercizio 6:

m_1 (kg)	m_2 (kg)	v_{1i} (m/s)	v_{2i} (m/s)	v_{1f} (m/s)	v_{2f} (m/s)
100	1,0	0,0	-5,0	?	?

Esercizio 7:

m_1 (kg)	m_2 (kg)	v_{1i} (m/s)	v_{2i} (m/s)	v_{1f} (m/s)	v_{2f} (m/s)
?	?	4,0	-3,0	2,0	5,0

Esercizio 8:

m_1 (kg)	m_2 (kg)	v_{1i} (m/s)	v_{2i} (m/s)	v_{1f} (m/s)	v_{2f} (m/s)
8,0	2,0	0,0	0,0	?	?