3

Three uniform small spheres A, B and C have equal radii and masses 2m, 4m and m respectively. The

[3	and the velocities of A and B after this collision.
L	id the velocities of 11 and D after this comsion.
•••••	
•••••	
-14 - C 41 11 - 1	C:
ılt of this collision,	C is moving towards B with speed $\frac{4}{3}u$ and now collides with it. As a resignt to rest.
ult of this collision,	
	ght to rest.

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(iii)	Find the total kinetic energ	y lost by the three	spheres as a result of	the two collisions.	[3]
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