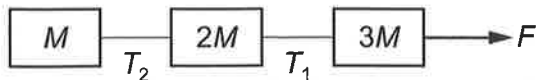


- 10 Three objects of masses M , $2M$ and $3M$ are joined by light inextensible strings which have tensions T_1 and T_2 . The objects are accelerated over a frictionless surface by applying a force F to the object of mass $3M$.



What are the tensions in the strings?

	T_1	T_2
A	$\frac{F}{6}$	$\frac{F}{6}$
B	$\frac{F}{2}$	$\frac{F}{6}$
C	$\frac{F}{2}$	$\frac{F}{2}$
D	$\frac{5F}{6}$	$\frac{F}{6}$

- 11 A negatively charged mass X is situated in a region where there are gravitational and electric