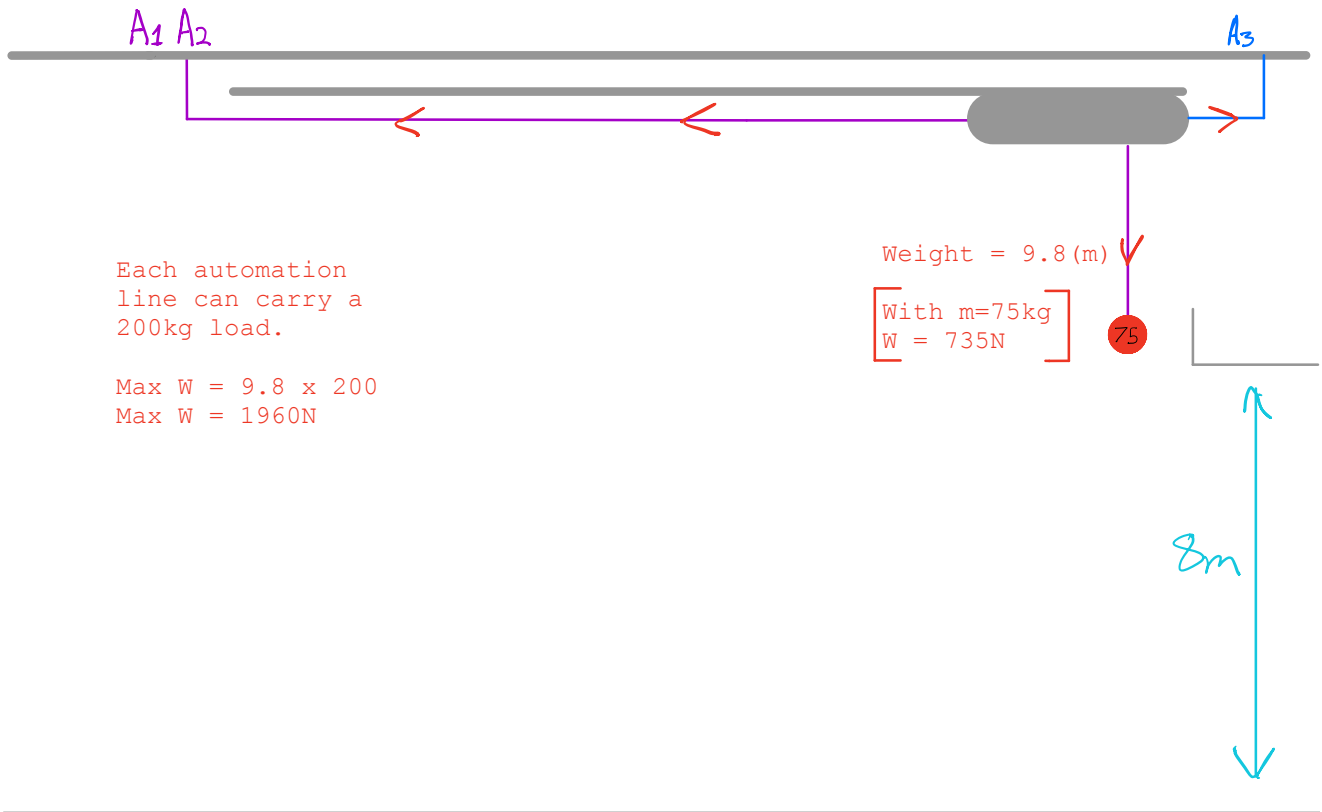


ENTRANCE:



Each automation line can carry a 200kg load.

$$\text{Max } W = 9.8 \times 200$$
$$\text{Max } W = 1960\text{N}$$

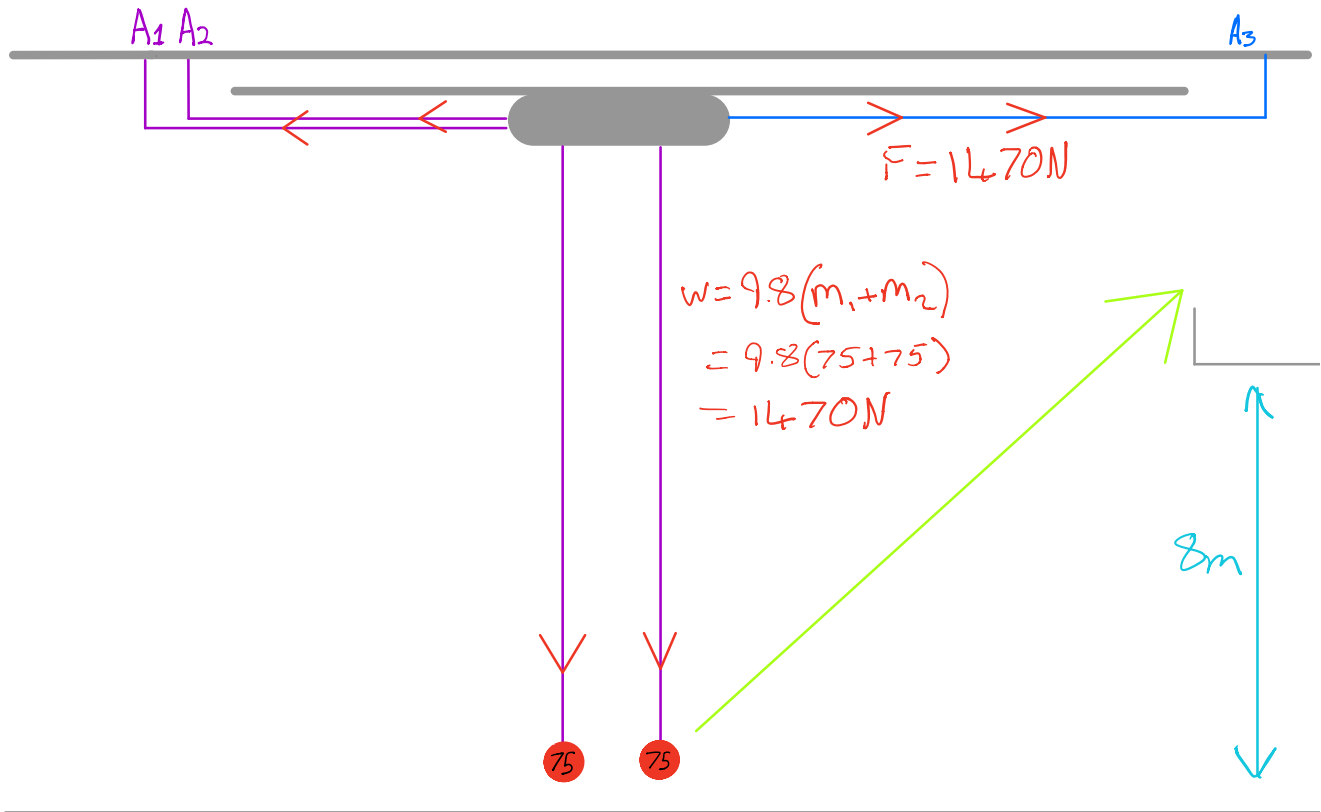
Weight = 9.8(m)

With $m=75\text{kg}$
 $W = 735\text{N}$

75

8m

EXIT:



Total force on line A3 is 1470N. The maximum force allowed on line A3 is 1960N, therefore an addition force of 490N is available. The impulse (or acceleration force will need to be equal to or else than 490N)

