

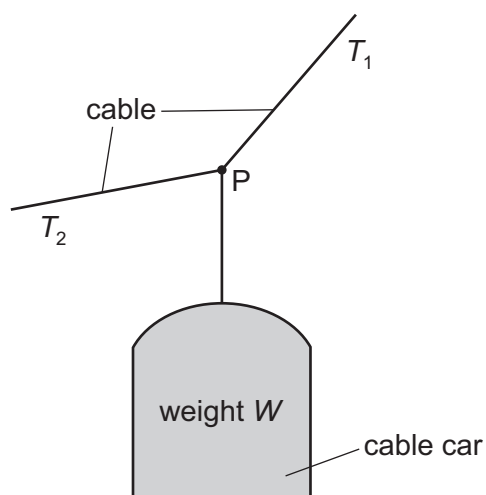
- 10 A molecule of mass m travelling horizontally with velocity u hits a vertical wall at right-angles to its velocity. It then rebounds horizontally with the same speed.

What is its change in momentum?

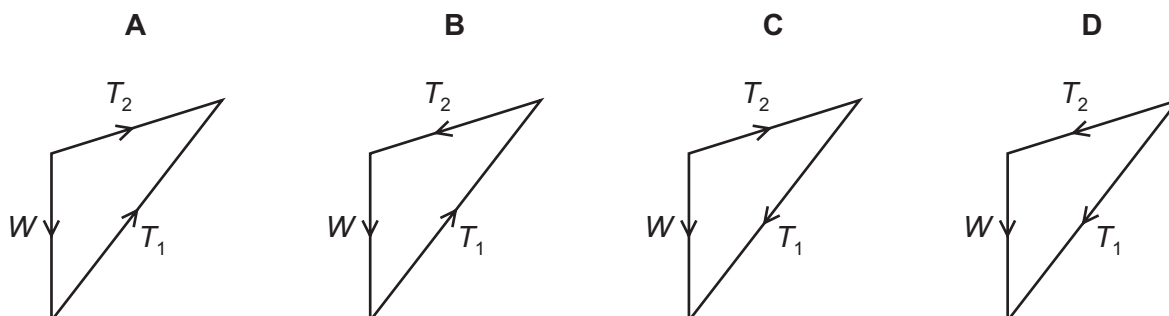
- A zero B mu C $-mu$ D $-2mu$

- 11 A cable car of weight W hangs in equilibrium from its cable at point P.

The cable has tensions T_1 and T_2 as shown.



Which diagram correctly represents the forces acting at point P?



Space for working