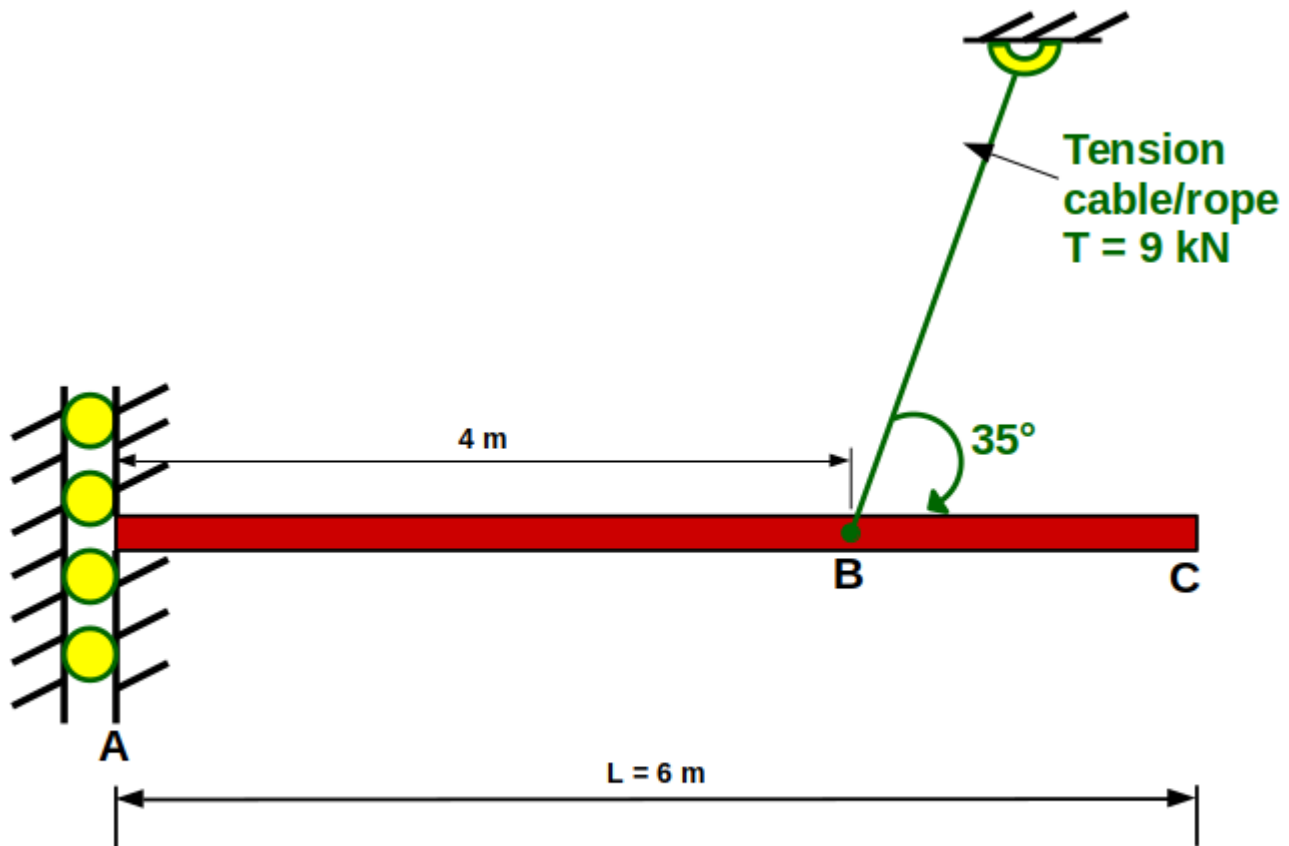
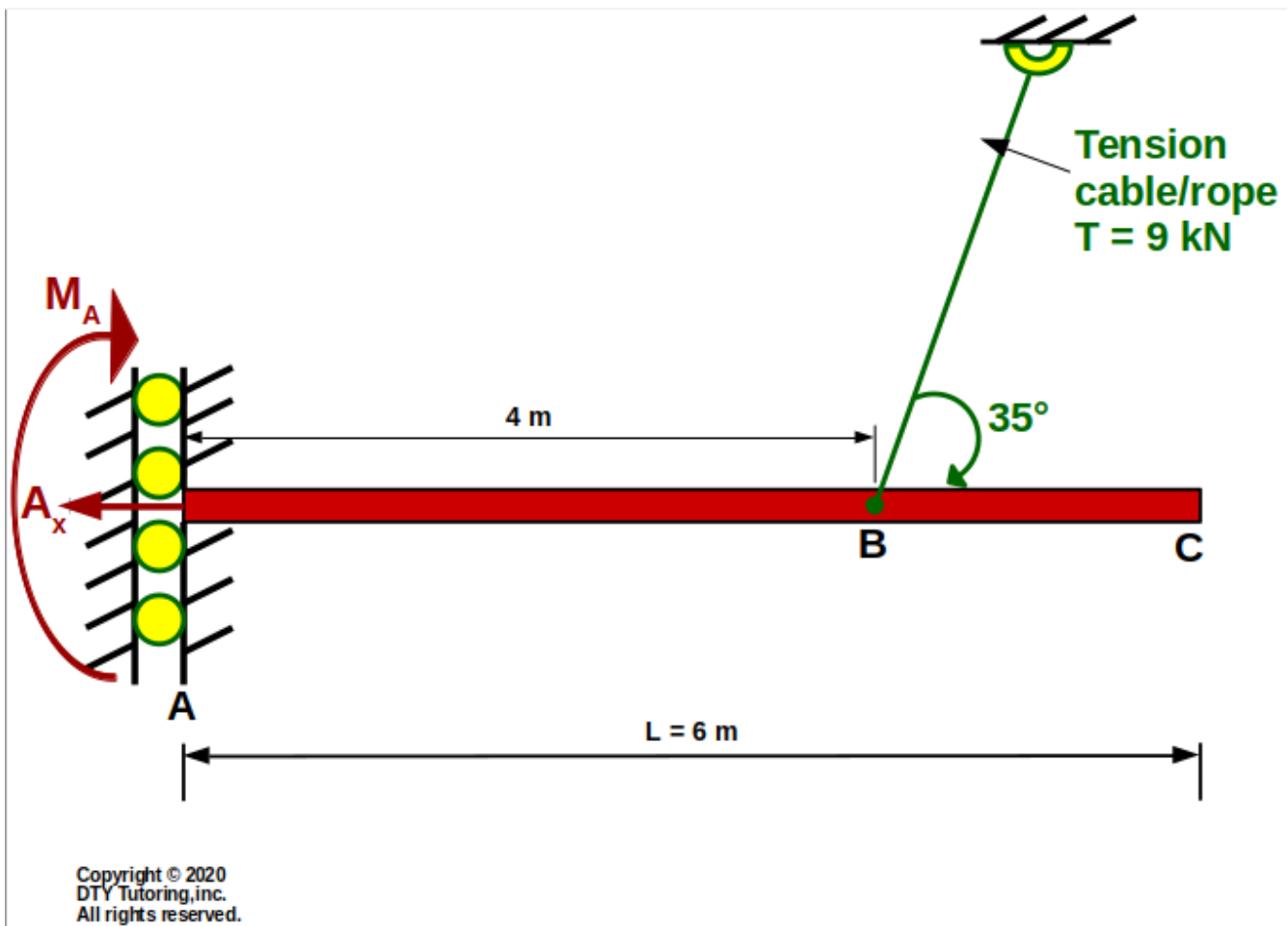


Date: 17<sup>th</sup> April 2020

The beam is supported by a fixed vertical roller at A, is pulled by a tension cable at B, and has no support at C. Find the reactions at A.



**Answers (refer to solutions for detail)**



$A_x = 7.37\text{ kN} \leftarrow$   
 $M_A = 20.6\text{ kN}\cdot\text{m} \curvearrowright$