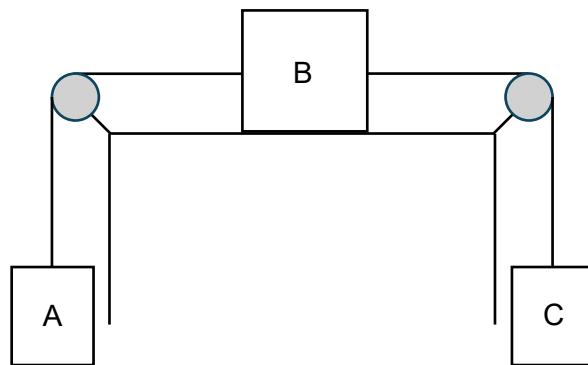


- 5** Three bodies A, B and C with mass 15 kg, 45 kg and 25 kg are connected by light strings that pass over massless and smooth pulleys. The coefficient of friction, μ , between B and the surface of the table is 0.15 and friction, f , is related to normal contact force, N , by the equation

$$f = \mu N.$$



What is the acceleration of the three bodies?

A 0 m s^{-2}
 2.6 m s^{-2}

B 0.38 m s^{-2}

C 1.2 m s^{-2}

D