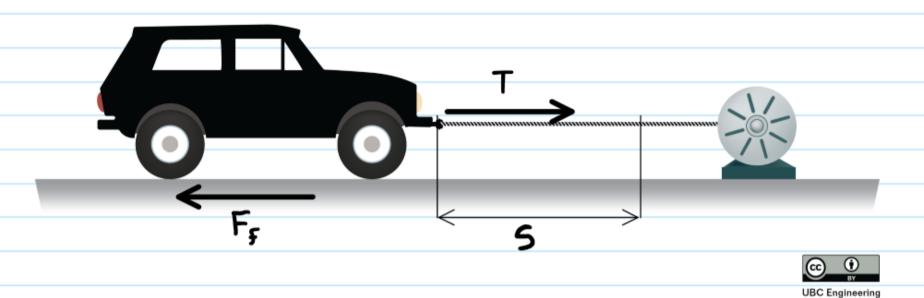
21-P-WE-GD-001



You have been called in to winch a broken SUV clear of a roadway. The winch provides a constant tensile force of I N. The wheels of the SUV has seized preventing then from rolling. The SUV has a mass of m Kg, while the coefficient of Kinetic Friction between the wheels and the road is M.

If the SUV is towed & m, what is the work tone by both the winds and friction?

(Assume g=9,81 m/s2, reglect the size of the SUV)

given T, M, g, S, Mx MA Force Eguilibrium ZFx=Max=T-Fr >Fy = mg = N-mg N=mg Fr= MN= mmg force in opposite direction of motion Mork