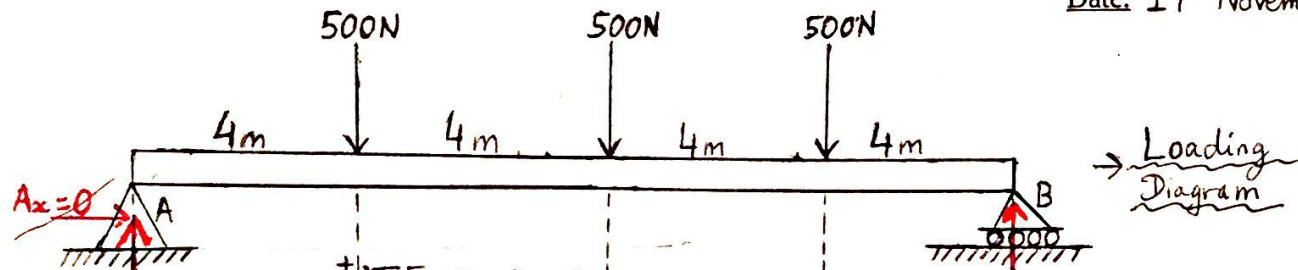


Date: 17th November 2020



$$\begin{aligned} \sum F_x = 0; & \quad A_x = 0 \\ \sum M_A = 0; & \quad (-500\text{N})(4\text{m}) + (-500\text{N})(8\text{m}) + (-500\text{N})(12\text{m}) + (B_y)(16\text{m}) = 0 \Rightarrow B_y = 750\text{N} \\ \sum F_y = 0; & \quad A_y + B_y = 1,500\text{N} \Rightarrow A_y = 1,500\text{N} - 750\text{N} = 750\text{N} \end{aligned}$$

