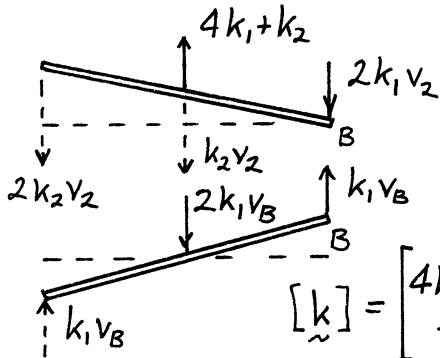


(c)



$$[\tilde{k}] = \begin{bmatrix} 4k_1 + k_2 & -2k_1 \\ -2k_1 & k_1 \end{bmatrix} \begin{matrix} v_2 \\ v_B \end{matrix}$$