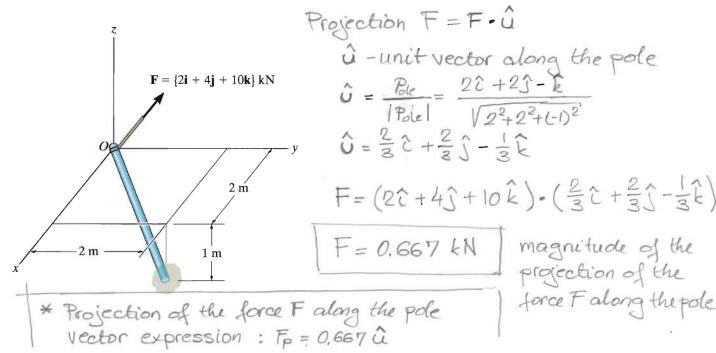
Solution

1. Determine the projection of the force F along the pole. (5 points)



2. 500-lb load is supported by cables AC, BC and DC. Draw the FBD to find the forces in the cables. Write the equilibrium equations needed to determine the forces in the cables. Do not solve them. (5 points)

