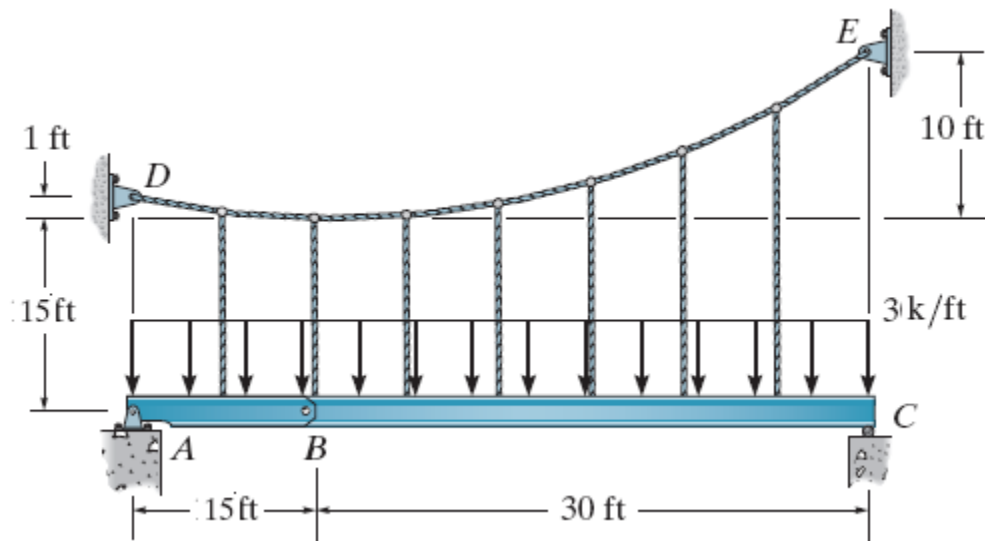


Assignment No: 4

Cables and Arches

Q1:

Determine the maximum and minimum tension in the parabolic cable and the force in each of the hangers. The girder is subjected to the uniform load and is pin connected at B .



Q2:

The tied three-hinged arch is subjected to the loading shown. Determine the components of reaction at A and C , and the tension in the rod.

