

Example 1.1.3b – Now the vertical force at joint D has been increased to 10 kN as shown in Figure 2, making the problem symmetric.

- Determine the magnitude and sense of the **reaction forces** at both supports.
- Determine the magnitude and sense of the **internal forces** in each of the 7 members.

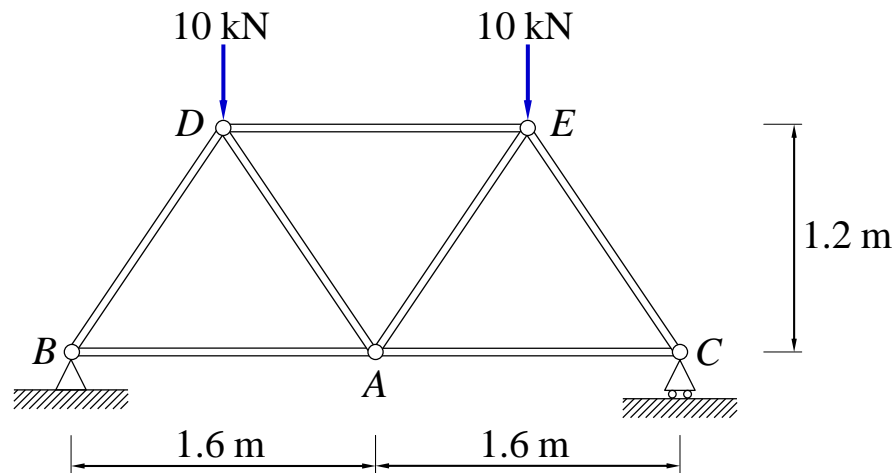


Figure 2: Pin-jointed truss under symmetrical loading.

