

Homework Problem H21.B

Given: Consider the truss shown below with the loading on joints D and E.

Find: Use the method of joints to determine the load carried by each member in the truss. Identify each member as either being in tension, in compression or carrying zero load.

For this problem, use the following parameters: $h = 12$ ft, $b = 15$ ft, $F = 15$ kips and $P = 25$ kips.

