

**Homework 1**

(Due: February 11, 2022)

**Question 1: 10 points**

Classify each of the structures as statically determinate, statically indeterminate, stable or unstable. For those cases that are indeterminate, specify the degree of indeterminacy.

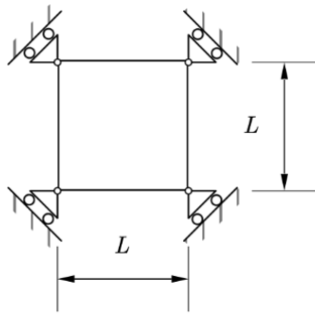


Figure 1

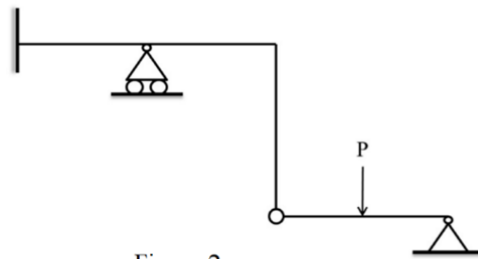


Figure 2

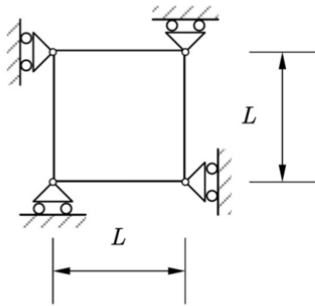


Figure 3

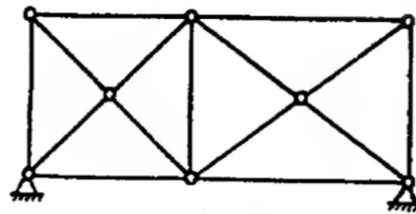


Figure 4

**Question 2: 10 points**

Determine the reactions on the structures below.

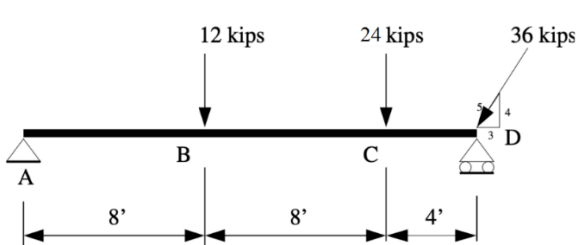


Figure 5: Question 2 (a)

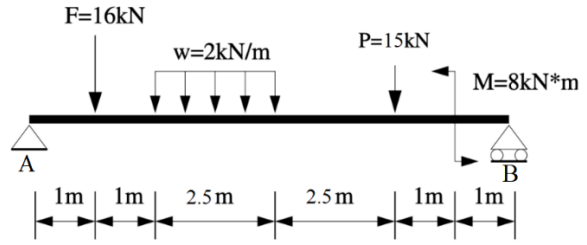


Figure 6: Question 2 (b)