

**PROBLEMS-Chapter 1**

1. The lower ends of the two hangers in Fig. 1-41 were at the same elevation before the loads were applied. The horizontal member is of uniform cross section. Find the value of length  $l$  if the horizontal member (assumed to be rigid) is horizontal after all loads are acting.  
 Ans.  $l = 38.3$  in.

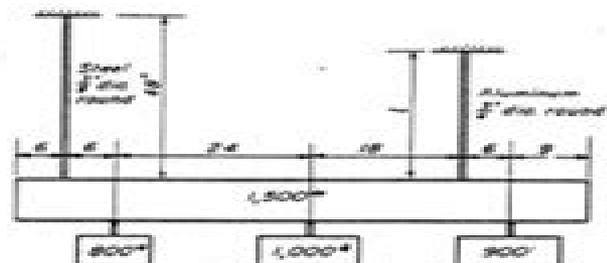
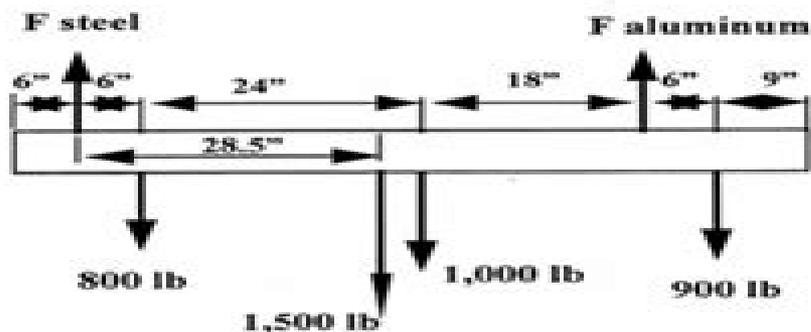


Figure 1-41 Problem 1.

Solution: To solve this problem we will need to draw a free body diagram as shown below:



The moment at the left rod:

$$48F_s = 1,500 \times 28.5 + 800 \times 6 + 1,000 \times 30 + 900 \times 54$$

$$F_s = \frac{126,150}{48} = 2,628 \text{ lbf}$$

The moment at the right rod:

# Design Of Machine Elements Spotts Solution Manual

**D Kirk**



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*sensoren unterschied von aktiven passiven induktiven sensoren* - May 14 2022

web oct 17 2023 neben den sensoren sind auch aktoren grundlegende komponenten in der automatisierungstechnik und industriellen messtechnik sie unterscheiden sich von den sensoren durch wesentliche details während sensoren messen oder physikalische größen erkennen wandeln aktoren elektrische oder andere signale in physikalische

g schnell ed sensoren in der automatisierungstechnik - Sep 18 2022

web induktive sensoren haben insbesondere n form der induktiven näherungsschalter auch initiatoren genannt eine weite verbreitung in der automatisierungs und verfahrenstechnik gefunden