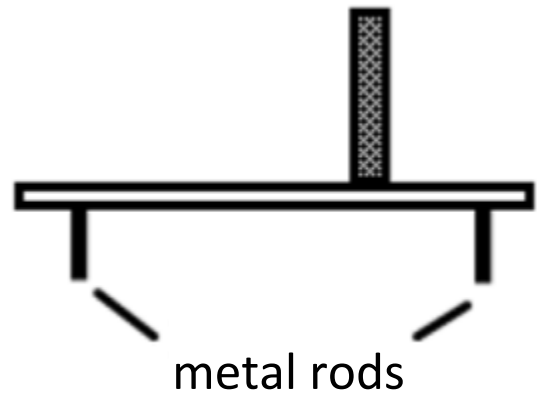**Physics 122**

Name - _____

FA (ST2.4): Static Torque Problem
I can solve a Type I static torque problem (involves only vertical forces).

A bookshelf made of a uniform wooden board 1.5 m long weighs 20.0 N and is supported by two thin metal rods each 5.0 cm from its end as shown in the diagram. A book weighing 16.0 N is placed upright on the shelf at a distance of 0.400 m from the right metal rod. Calculate the force each rod must exert on the board to maintain static equilibrium.

metal rods

EH	EL	AH	AL	NH	NL
Note(s)					

Completed: _____