

- 2) GIVEN: A \oslash 1/2" steel rod is fitted to a round hole near end of the wooden member.
 - REQ'D: (a) Maximum average normal stress in the wood
 - (b) Distance b for shearing stress of 90 psi
 - (c) Average bearing stress on the wood



- 3) GIVEN: Load P is applied to a steel rod supported by an aluminum plate in which a Ø0.6" hole has been drilled. Shearing stress must not exceed 18 ksi in the steel rod and 10 ksi in the aluminum plate.
 - REQ'D: Largest load P that can be applied to the rod.



 GIVEN: Steel bar caries a series of loads as shown. REQ'D: Axial load, axial stress and axial strain in each of the segments.

