53 TRUSS MEMBER DESIGN

ABSTRACT

This program designs truss members, wood or steel, tension or compression in accordance with the 1969 AISC Specifications. Program has provision built in to accept input data from a time sharing terminal by means of the LN20 paper tape reader. Input data can be entered manually for designers without LN20.

Price \$95.00

INPUT

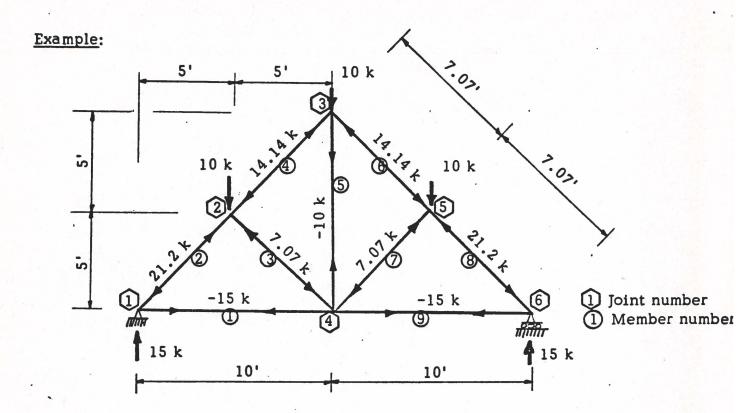
Axial force
Length of member
Bolt size and member thickness
Elasticity and yield strength
Radius of gyration

OUTPUT

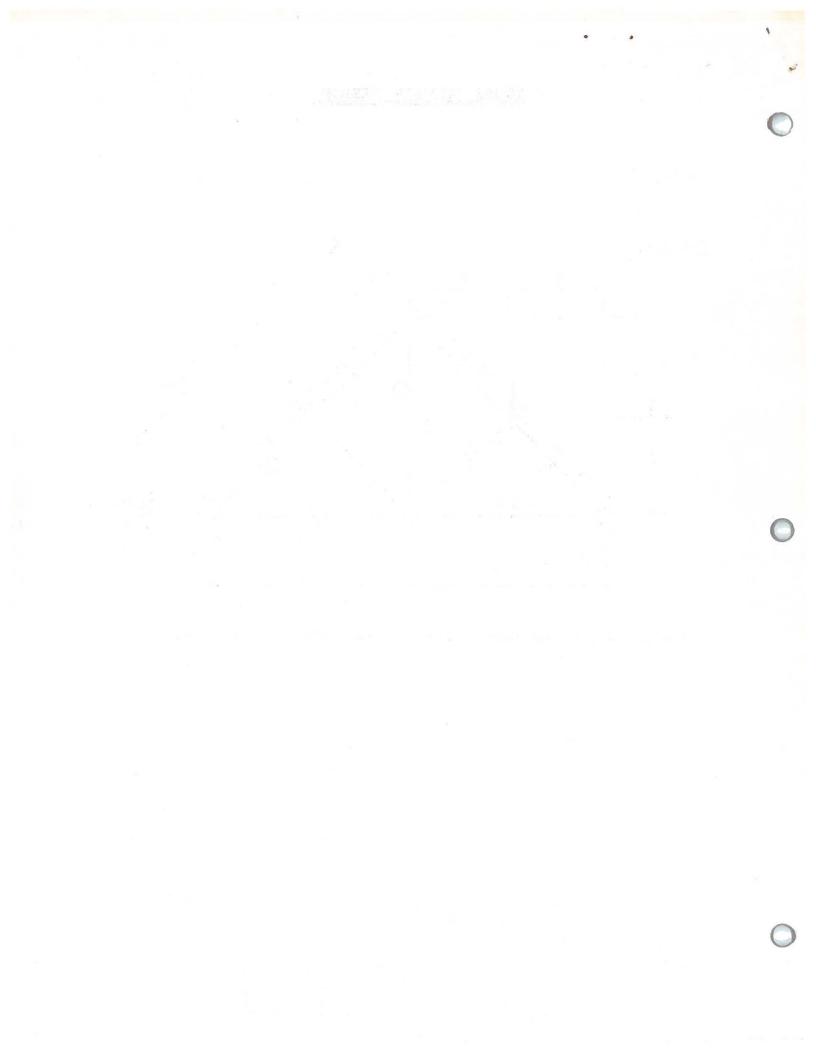
Allowable stress Allowable force Slenderness ratio

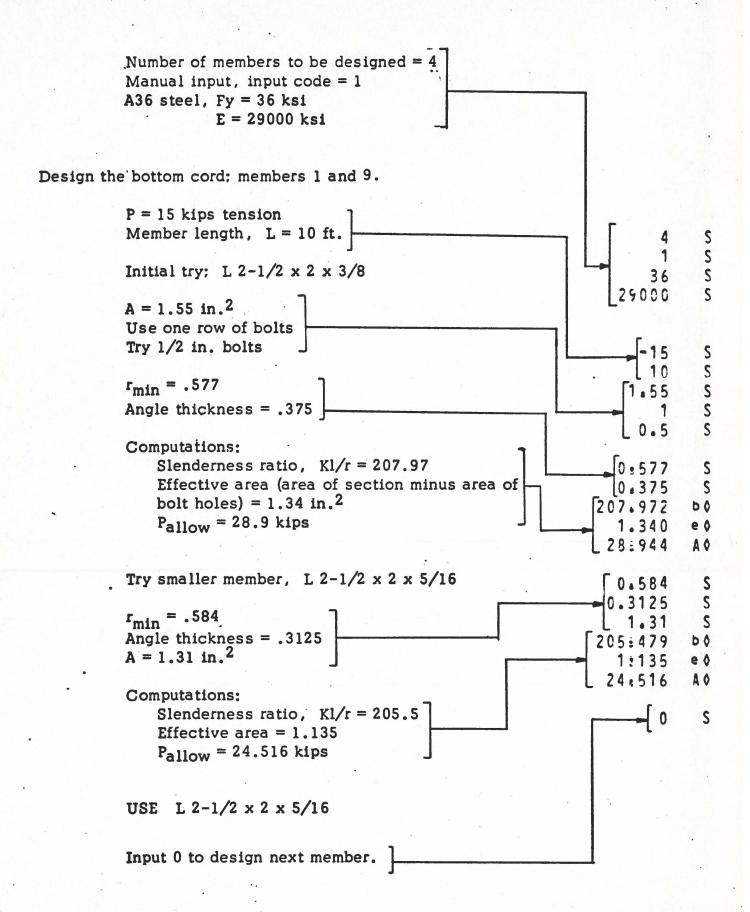
TRUSS MEMBER DESIGN

C. P. 53

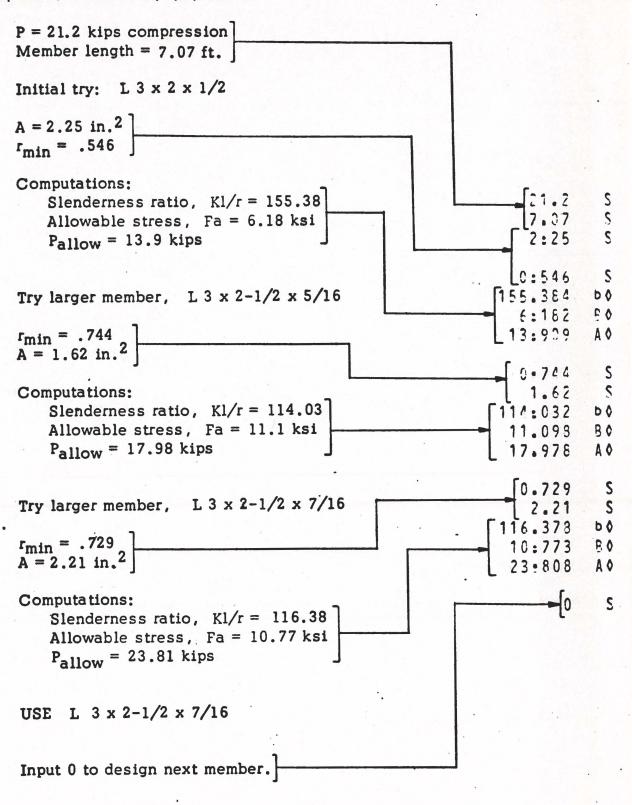


Given the truss shown above, design the members using A36 steel.

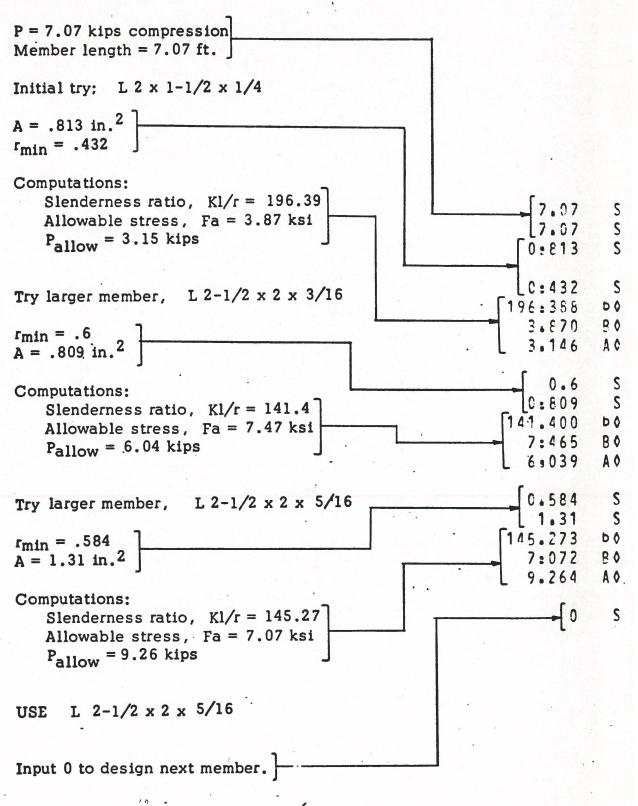




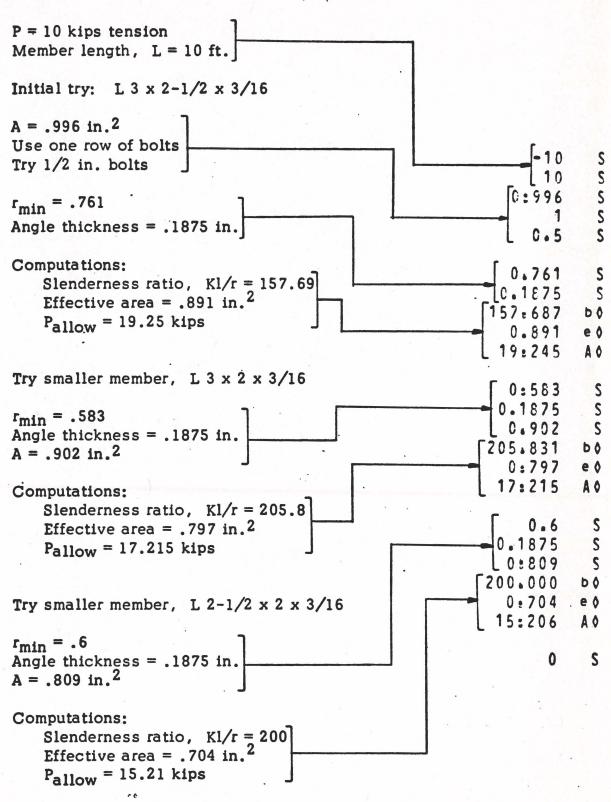
Design top cord: members 2,4,6, and 8.



Design members 3 and 7.



Design member 5.



USE $L 2-1/2 \times 2 \times 3/16$

