Example

• A single unequal angle 100x75x6mm is connected to a 10 mm thick gusset plate at the end with 6 nos. 16mm dia. Bolts to transfer tension. Determine the design tensile strength of the angle assuming that the yield and the ultimate stress of steel used are 250 MPa and 410 MPa. Assume that the longer leg is connected to the gusset plate.







