Determine the forces F_{DF}, F_{FG}, F_{CD}, and F_{BI} in members *DF*, *FG*, *CD*, and *BI* of the truss shown. Use *T* or *C* to indicate whether each of these forces is a *tensile* force or *compressive* force.
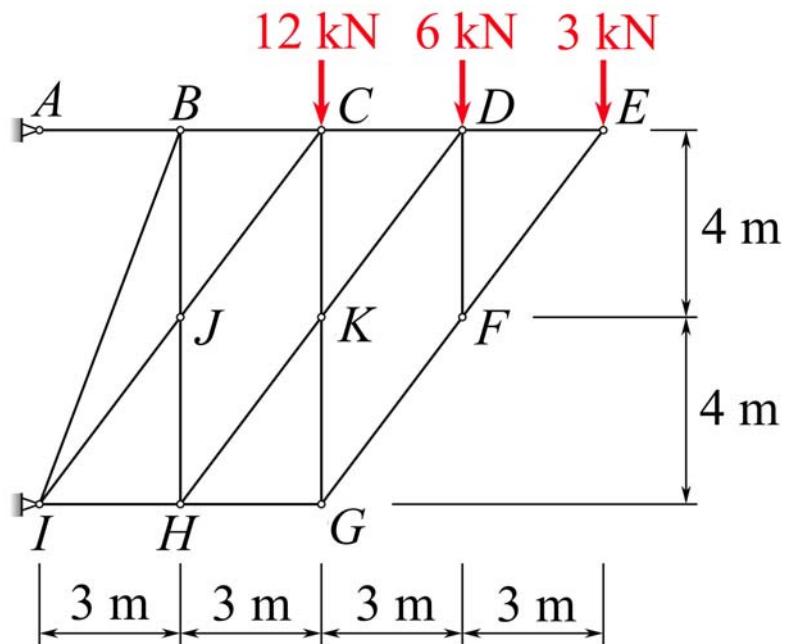
FBD's ②

$F_{DF} = 0$ ②

$F_{FG} = 3.75$ kN *C* ②

$F_{CD} = 6.75$ kN *T* ②

$F_{BI} = 6\sqrt{73}/8 = 6.408$ $F_{BI} = 6.41$ kN *C* ②