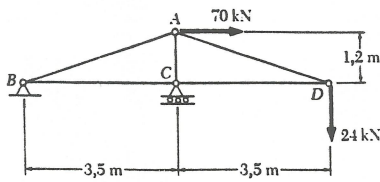


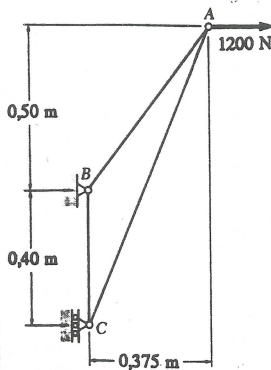
3ª SÉRIE DE EXERCÍCIOS (CAP.6)

6.1 a 6.12 Usando o método do nós, determine a força em cada barra da treliça ilustrada. Indique se cada barra está tracionada ou comprimida.



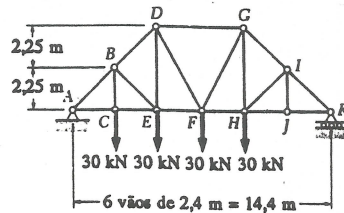
6.2

6.2. $F_{AB} = 148 \text{ kN T}$; $F_{AC} = 72 \text{ kN C}$;
 $F_{AD} = 74 \text{ kN T}$; $F_{BC} = F_{CD} = 70 \text{ kN C}$.



6.4. $F_{AB} = 4\,500 \text{ N T}$; $F_{AC} = 3\,900 \text{ N C}$; $F_{BC} = 3\,600 \text{ N T}$.

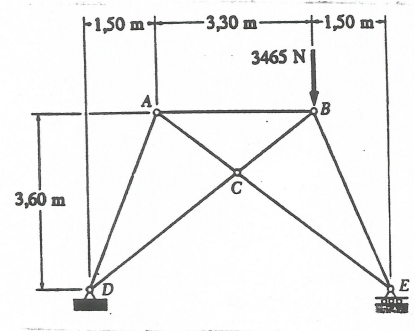
6.26 Determine as forças nas barras FG e FH da treliça da figura.



6.26. $F_{FG} = 22,7 \text{ kN T}$; $F_{FH} = 53,4 \text{ kN T}$.

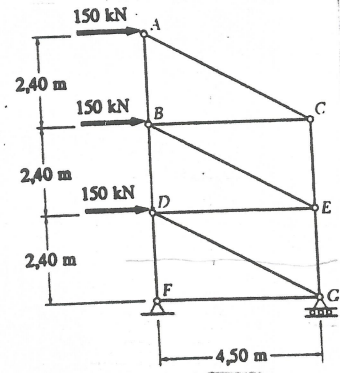
6.30 Determine as forças nas barras DG e EG da treliça da figura.

6.30. $F_{DG} = 510 \text{ kN C}$; $F_{EG} = 240 \text{ kN C}$.



6.10

6.10. $F_{AB} = 2\,100 \text{ N C}$; $F_{AC} = F_{CE} = 2\,000 \text{ N T}$;
 $F_{BC} = F_{CD} = 625 \text{ N T}$;
 $F_{BE} = 4160 \text{ N C}$;
 $F_{AD} = 1\,300 \text{ N C}$;



6.34 Determine as forças nas barras GJ, GK e IK da treliça da figura.

