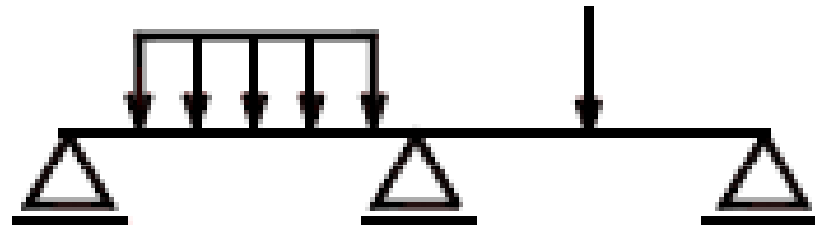


Exercícios para avaliação

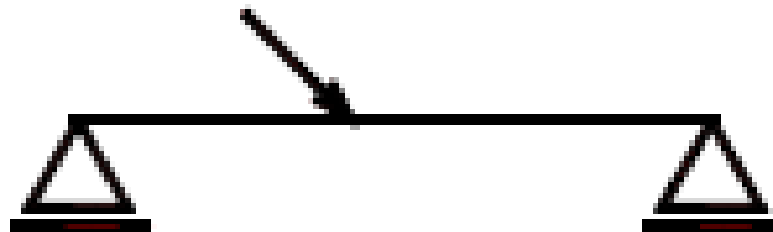
Exercício 1:

Determinar o grau de hiperestaticidade das estruturas abaixo:

a:

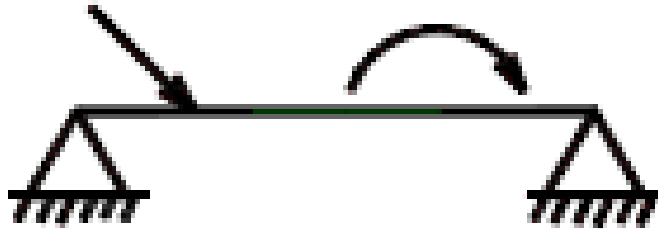


b:

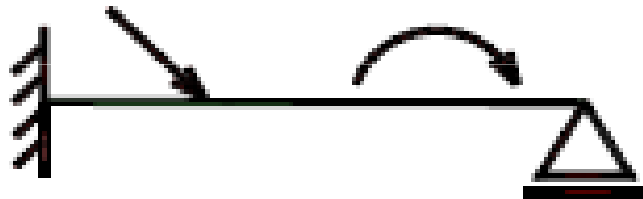


Exercícios para avaliação

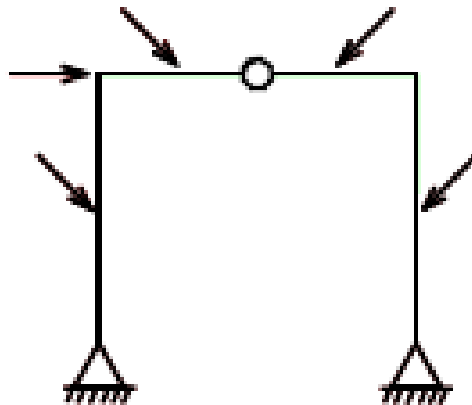
c:



d:

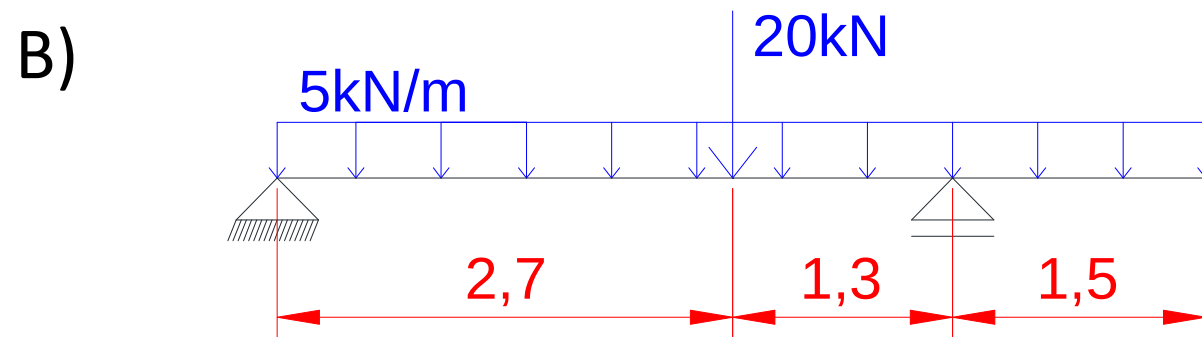
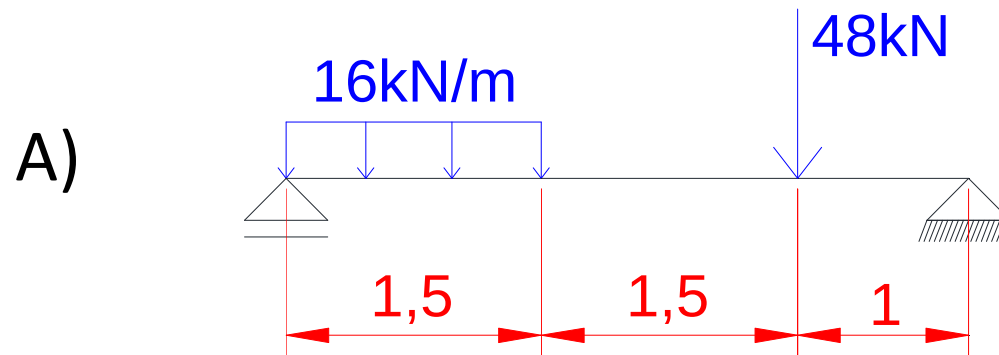


e:

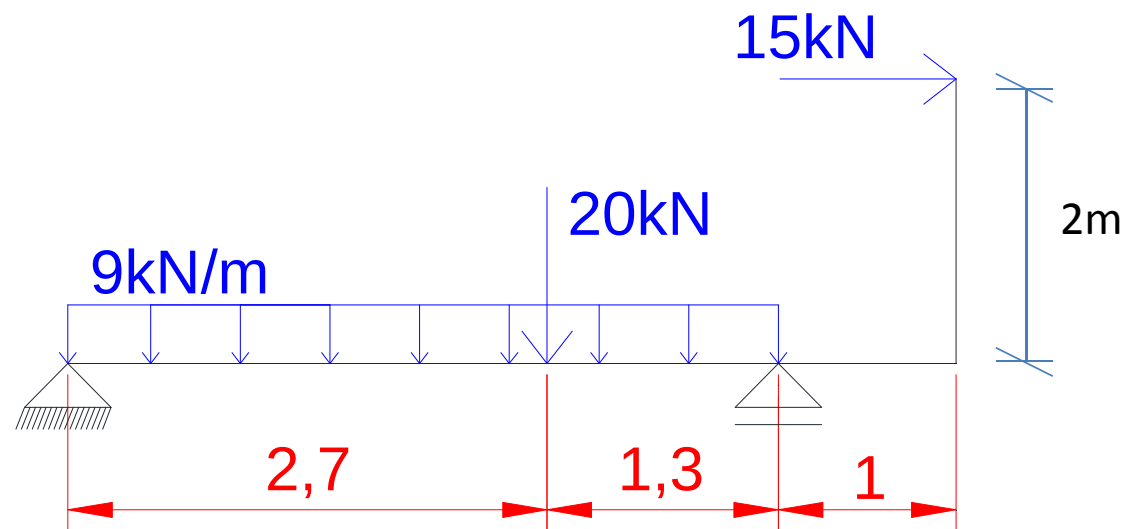


Exercício 2:

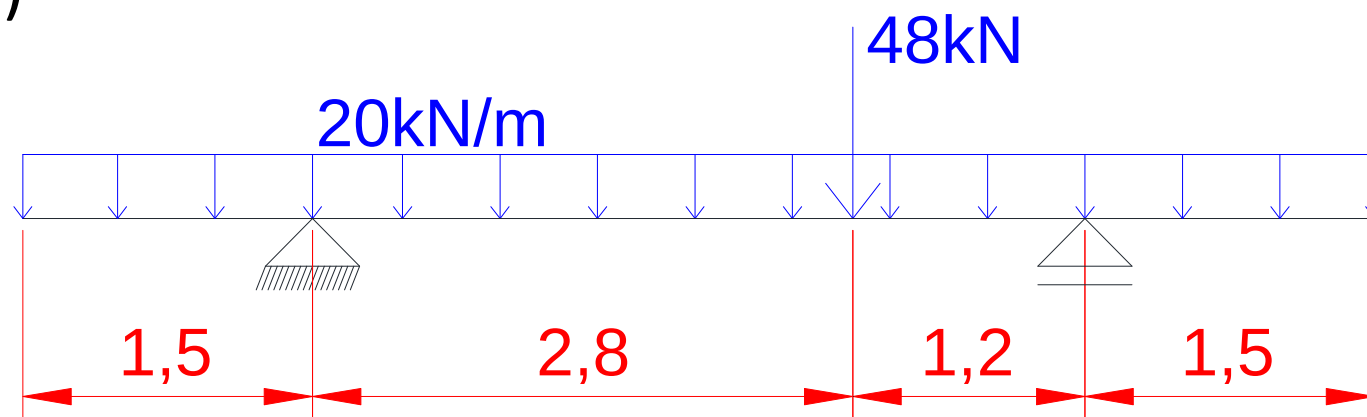
DETERMINAR AS REAÇÕES DE APOIO NAS VIGAS E TRAÇAR OS DIAGRAMAS DE ESFORÇOS (NORMAL, CORTANTE E MOMENTO FLETOR)



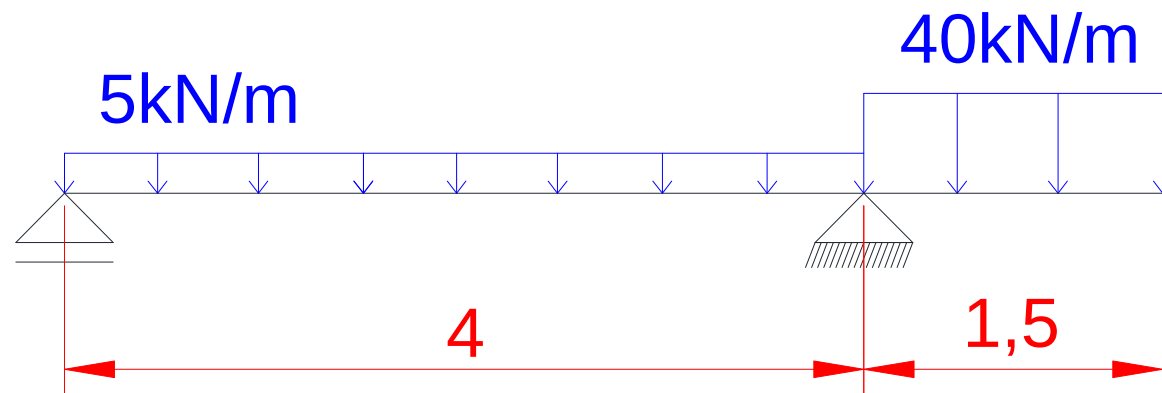
C)



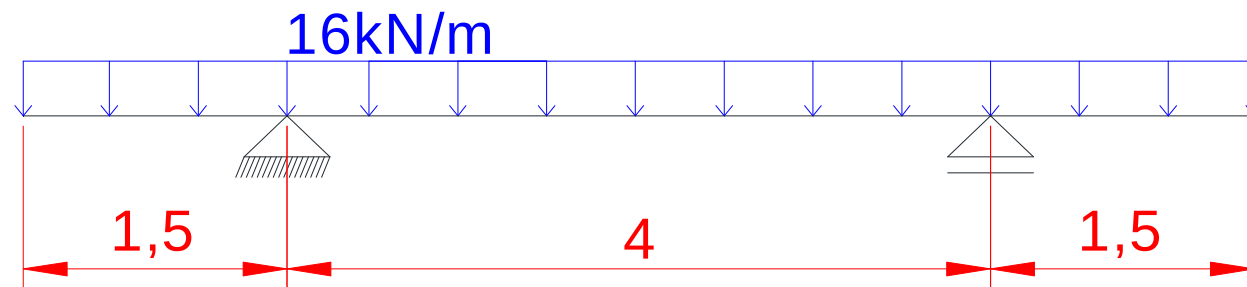
D)



E)



F)



Exercício 3:

PARA VIGA ABAIXO, DETERMINE A DISTÂNCIA DOS
BALANÇOS PARA QUE OS MOMENTOS MÁXIMOS NEGATIVO
E POSITIVO SEJAM IGUAIS.

