

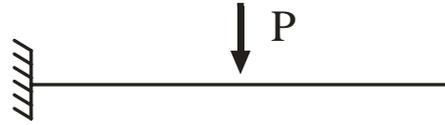
PEF – 3200 INTRODUÇÃO À MECÂNICA DAS ESTRUTURAS

1) Esboçar as deformadas das estruturas abaixo:

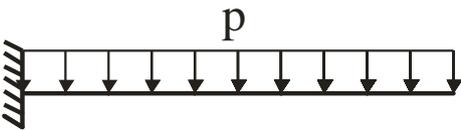
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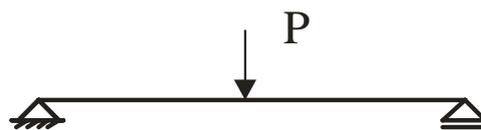
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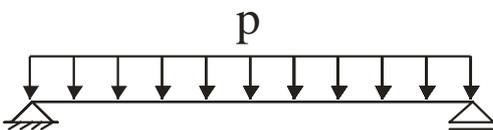
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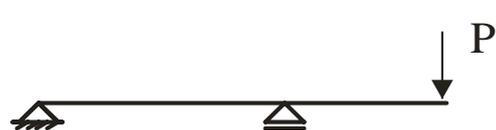
1.4)



1.5)

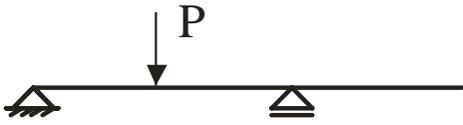


1.6)

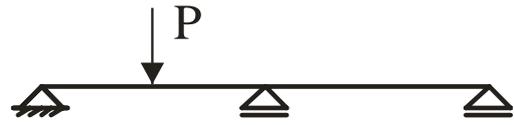


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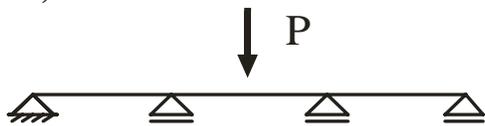
1.7)



1.8)



1.9)



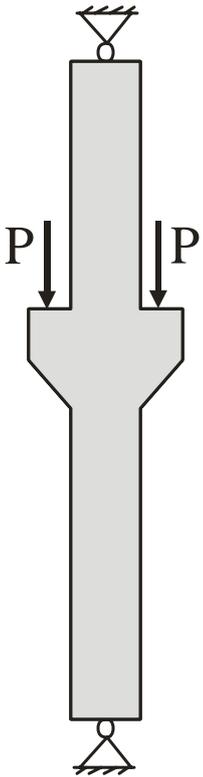
1.10)



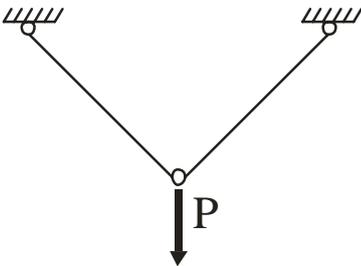
1.11)



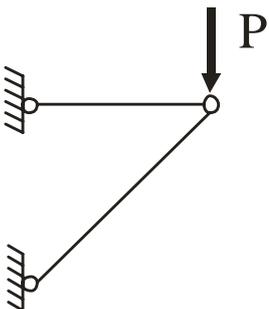
1.12)



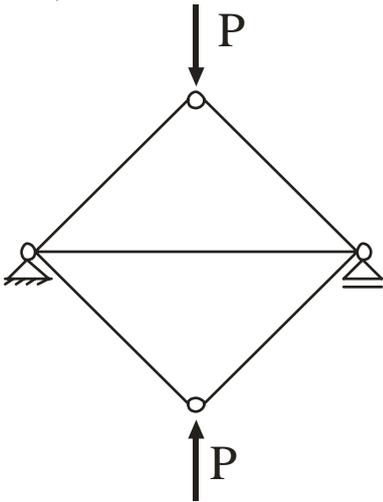
1.13)



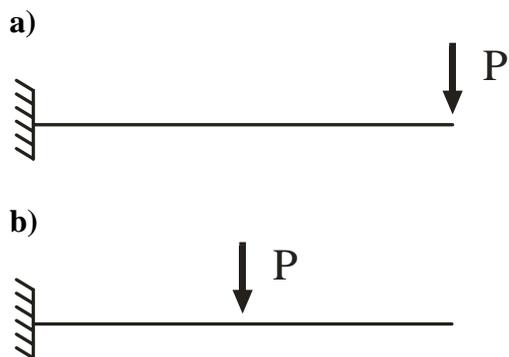
1.14)



1.15)



2) Considere uma mesma viga solicitada por uma mesma carga em duas posições distintas. Em qual delas o deslocamento vertical da extremidade livre da viga será maior? Por quê?



3) Considere as duas vigas do exemplo anterior. Aumentando continuamente o valor de P , qual das duas vigas irá se romper primeiro? Por quê? Onde se dará a ruptura? Por quê?