

Assignment

1. Draw the shear-force and bending moment diagram for the following examples.

i) Say you are given a simply supported beam with loads 10kN, 8kN, 12kN and 13.5kN. The distances are 1.5m, 1m, 1m and 0.5m, 2m and 1m. so our interest is to calculate the support reactions and shear-force at C,D,E,F and G. And also bending moment at the points. And also the maximum value of bending moment.