

QUESTION 10

Refer to the figure below. The figure shows a rectangular frame with a central vertical member and two diagonal members. The frame is supported by a pin support at the bottom left corner and a roller support at the bottom right corner. The frame is subjected to a uniformly distributed load of 100 lb/ft acting horizontally to the right on the top member. The frame is divided into three vertical sections by the central vertical member and the two diagonal members. The dimensions of the frame are as follows: the total height is 12 ft, the total width is 12 ft, and the central vertical member is 4 ft wide. The diagonal members are 4 ft high and 4 ft wide. The frame is divided into three vertical sections of 4 ft, 4 ft, and 4 ft width. The frame is divided into three vertical sections of 4 ft, 4 ft, and 4 ft width. The frame is divided into three vertical sections of 4 ft, 4 ft, and 4 ft width.



ANSWER: 1000