

Diagram of a truss structure. The truss has a rectangular frame with a diagonal member BD. The height is 4 ft. The width is divided into two 3 ft segments by a vertical line through C. A downward force P is applied at C. The truss is supported by a pin support at A and a roller support at E.

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The diagram shows a frame structure with the following dimensions and loads:

- Horizontal dimensions: 4 in. (from B to D), 12 in. (from D to F), and 3 in. (from F to G).
- Vertical dimensions: 2 in. (from A to B) and 2 in. (from E to F).
- Loads: A 5 lb downward force at point B and a 5 lb upward force at point A.
- Supports: A roller support at point C and a pin support at point E.
- Points: A, B, C, D, E, F, and G are labeled on the structure.