

The diagram shows a two-bay portal frame. The left bay has a width of A and a height of H . The right bay has a width of B and the same height H . Horizontal loads C and D are applied at the top-left and top-right corners, respectively. The base of the frame is divided into two segments: L_1 for the left bay and L_2 for the right bay. The total base length is labeled L_{HP} . A diagonal member is shown in the left bay, connecting the top-left corner to the bottom-right corner. The frame is supported by fixed supports at the base corners.

