



The diagram shows a region  $\mathcal{F}$  within a square frame. A diagonal line runs from the bottom-left towards the top-right. The boundary of  $\mathcal{F}$  consists of several segments: a vertical segment on the left, a short horizontal segment at the top, a vertical segment on the right, a horizontal segment at the bottom, and a diagonal segment connecting the bottom-left corner to the bottom-right corner. The region  $\mathcal{F}$  is the area bounded by these segments.

$\mathcal{F}$

(d)