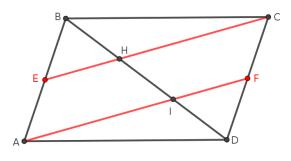
Proof Without Words: Trisection of a Parallelogram's Diagonal

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1 Assumptions

Given a parallelogram *ABCD*, *E* and *F* are the midpoints of \overline{AB} and \overline{CD} . Assume that *H* and *I* are the points of intersection of diagonal \overline{BD} with lines \overleftarrow{EC} and \overleftarrow{AF} (see Figure 1).





2 Proof

Prove that BH = HI = ID.

