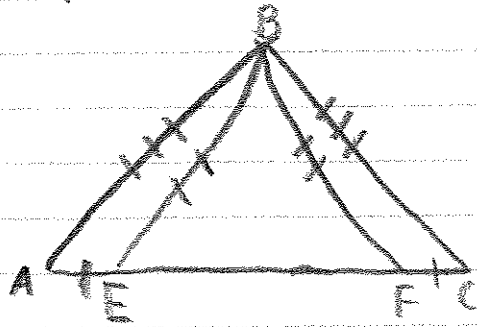


Proof Presentation

Figure:



Given: $\overline{AE} \cong \overline{FC}$, $\overline{BE} \cong \overline{BF}$
 $\overline{AB} \cong \overline{BC}$
 Prove: $\triangle AFB \cong \triangle CEB$

Proof:

$\overline{AE} \cong \overline{FC}$, $\overline{BE} \cong \overline{BF}$, $\overline{AB} \cong \overline{BC}$	Given
$AE + EF = AF$	Segment Add. Postulate
$EF + FC = EC$	Segment Add. Postulate
$AE = FC$	Definition of Congruence
$FC + EF = AF$	Substitution
$EC = AF$	Transitive
$\overline{EC} \cong \overline{AF}$	Definition of Congruence
$\triangle AFB \cong \triangle CEB$	SSS \cong Postulate