A) Find the value of the indicated flow.

B) Find the capacity of the $(S,T)$-cut
   given by $S = \{s, a, b\}$ and $T = \{c, d, e \}$.

C) Show that $\text{val}(F) = \sum_{uv \in S, v \in T} (f_{uv} - f_{vu})$.

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   given by $S = \{s, a, b\}$ and $T = \{c, d, e \}$.

C) For $S, T$ as above, show that
   $\text{val}(F) = \sum_{uv \in S, v \in T} (f_{uv} - f_{vu})$.

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A) Find the missing flows for the arcs,
   and the value of the flow.

B) if $C = \{s, T\}$ where
   $S = \{s, b, d\}$ and $T = \{c, e, b, T\}$,
   find $\text{cap}(C)$. 

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