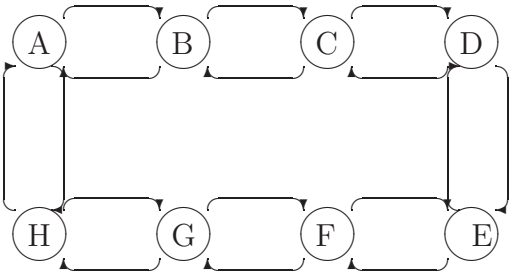
R-12.3



The Euler tour is $A \to B \to C \to D \to E \to F \to G \to H \to A \to H \to G \to F \to E \to D \to C \to B \to A$