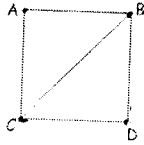


NOTES--Graph Theory Hamilton Paths and Circuits

A "simple" path/circuit does not contain the same edge more than once.  
 The "length" of a path/circuit is the number of edges traveled.



DBCA simple path length=3  
 ABCA simple circuit length=3  
 DCBACB path (not simple) length=5  
 ADBA not valid

A Hamilton path is a path that uses each vertex exactly once.

A Hamilton circuit is when a Hamilton path ends at the starting vertex.



cool fact--If a graph has a pendant vertex, no Hamilton circuit exists!!!



Example

Find a Hamilton circuit or Hamilton path, if one exists.

