



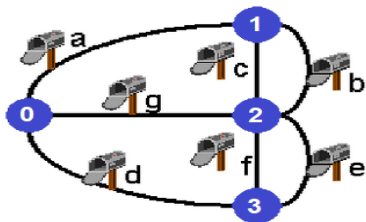
# Minimum k-Chinese Postman Problem

Demo

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Given a multigraph  $G = (V, E)$   
initial vertex  $s \in V$  length  
 $l(e) \in \mathbb{N}$  for each  $e \in E$  the  
*minimum  $k$ -Chinese postman  
problem* is to find  $k$  tours(cycles)  
such that each containing the  
initial vertex  $s$  and each edge of  
the graph has been traversed at  
least once and the most  
expensive tour is minimized.