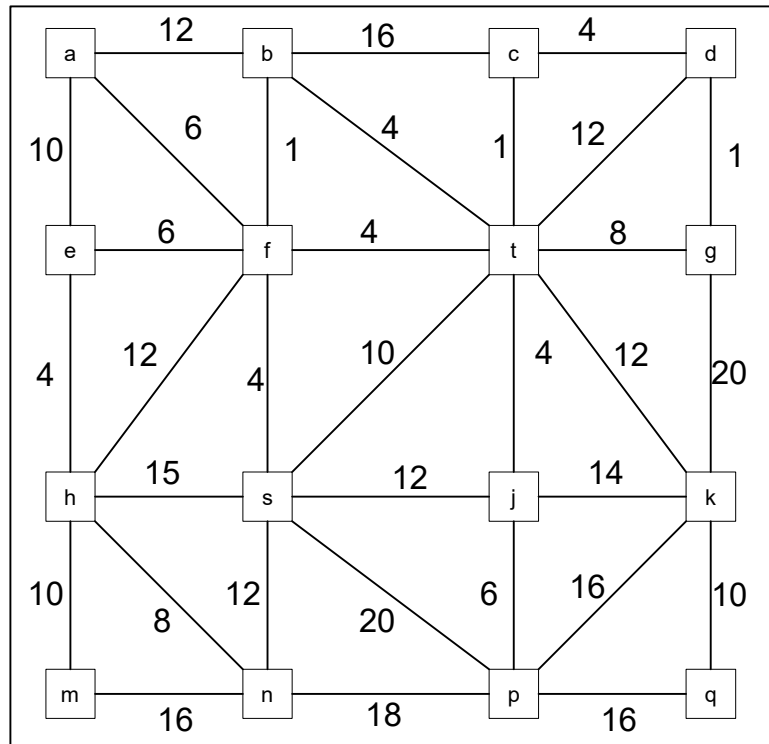


Due

- Solve the problem of determining $F(\lambda)$, the maximum flow if the edge capacities are given by $\min[u_{ij}, \lambda]$. [The figure below gives values of u_{ij}].
 (a) Using this find the maximum surviving flow; (b) find maximum q -path flow where $q = 2$. [Show path decomposition]



All edges in the original network are undirected.

- Using the above data solve the problem of finding v_{ij} for all i, j .