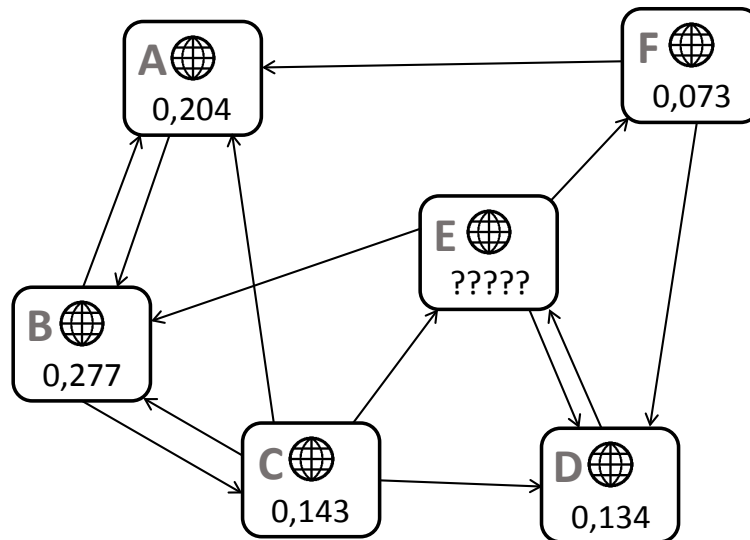


Big Data Management and Analytics  
WS 2018/19

Tutorial 11: Link Analysis

Assignment 11-1 *PageRank*



- (a) Explain how the PageRank algorithm avoids to get stuck in a “dead end”.
- (b) Given the graph as seen above, compute its Google Matrix with  $\beta = 0.85$ .
- (c) How can the actual PageRank values be computed by using the Google Matrix?
- (d) Given the graph as seen above, compute the missing PageRank value of node *E* by using the PageRank equation.