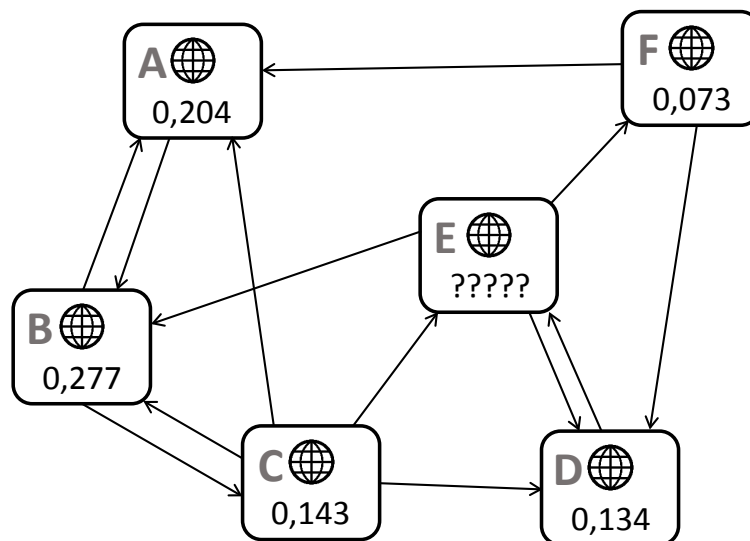


Big Data Management and Analytics
WS 2017/18

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.