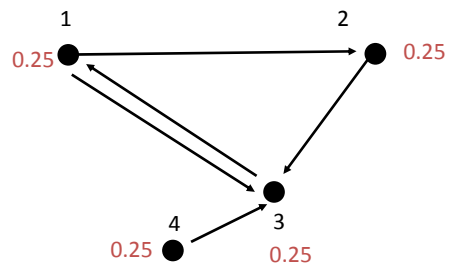


Lecture 18: PageRank and HITS

INFO 2950:
Mathematical Methods for Information
Science

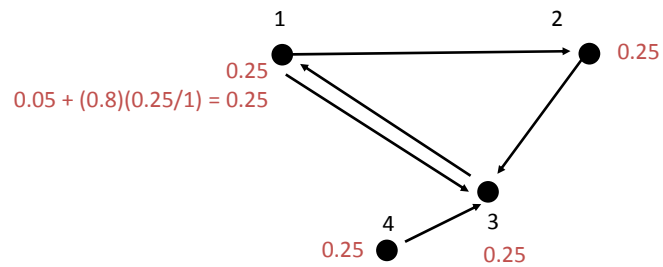
An example

$$r_j = \frac{p}{n} + (1 - p) \sum_{i|i \rightarrow j} \frac{r_i}{d_i}$$



An example

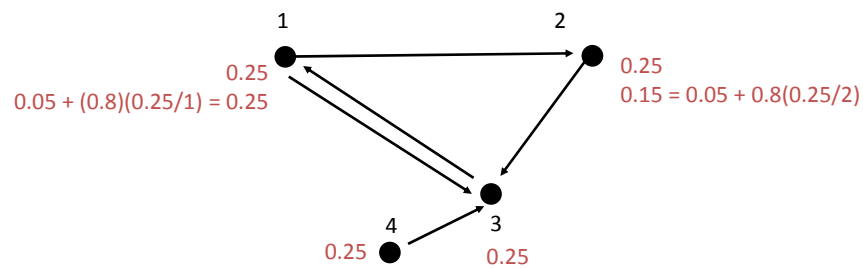
$$r_j = \frac{p}{n} + (1-p) \sum_{i|i \rightarrow j} \frac{r_i}{d_i}$$



3

An example

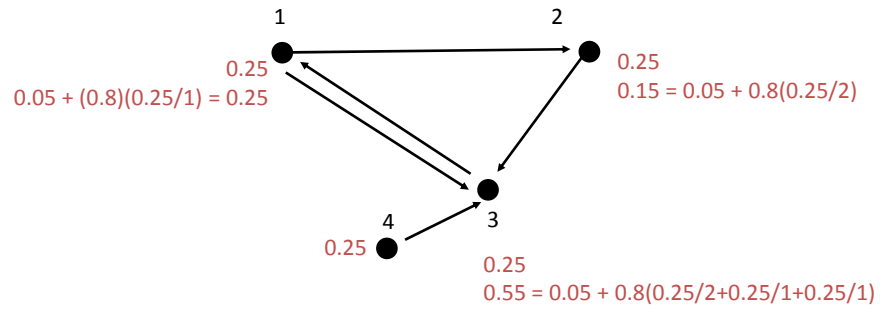
$$r_j = \frac{p}{n} + (1-p) \sum_{i|i \rightarrow j} \frac{r_i}{d_i}$$



4

An example

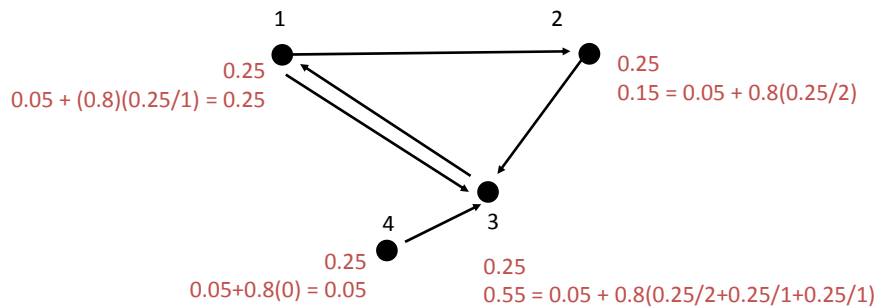
$$r_j = \frac{p}{n} + (1 - p) \sum_{i|i \rightarrow j} \frac{r_i}{d_i}$$



5

An example

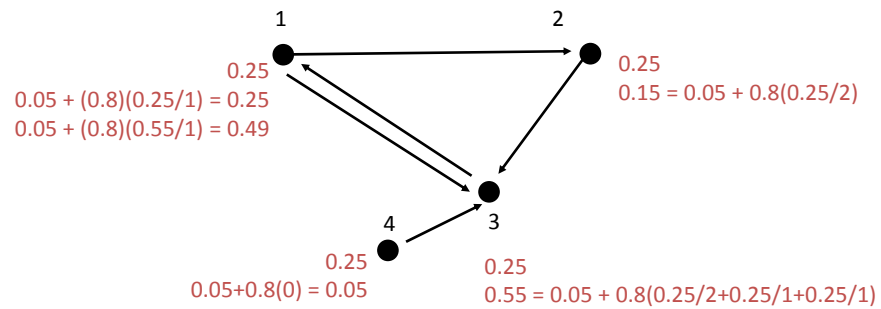
$$r_j = \frac{p}{n} + (1 - p) \sum_{i|i \rightarrow j} \frac{r_i}{d_i}$$



6

An example

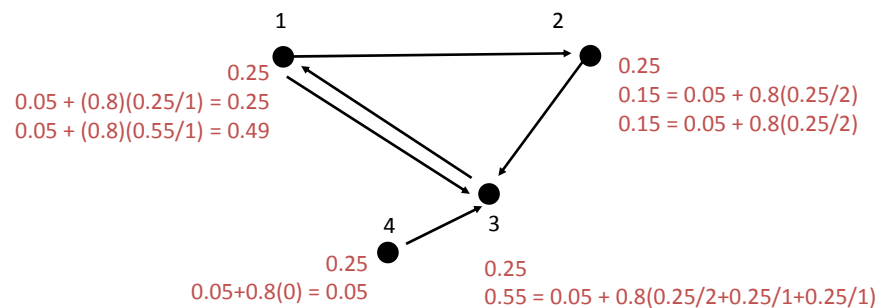
$$r_j = \frac{p}{n} + (1-p) \sum_{i|i \rightarrow j} \frac{r_i}{d_i}$$



7

An example

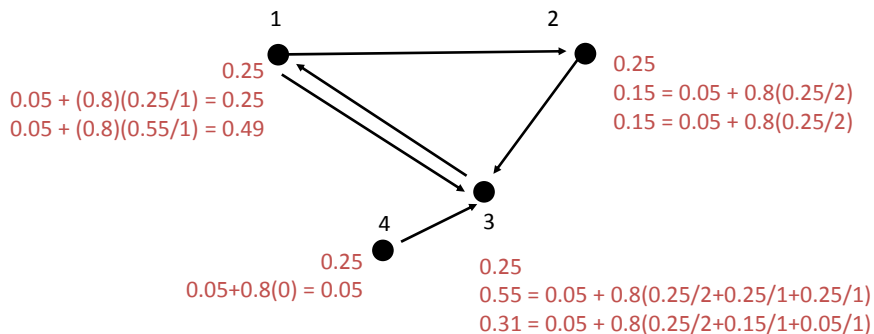
$$r_j = \frac{p}{n} + (1-p) \sum_{i|i \rightarrow j} \frac{r_i}{d_i}$$



8

An example

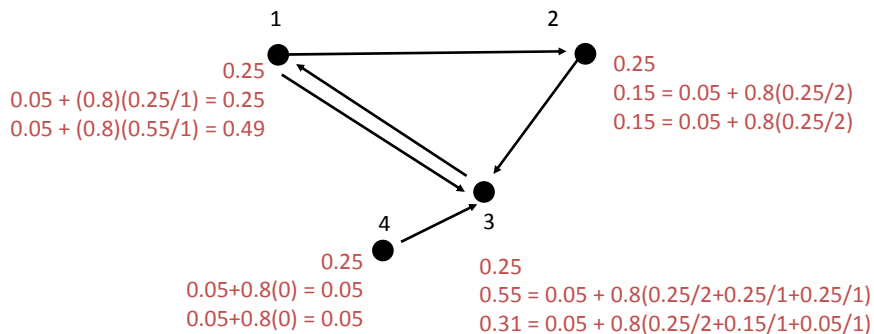
$$r_j = \frac{p}{n} + (1 - p) \sum_{i|i \rightarrow j} \frac{r_i}{d_i}$$



9

An example

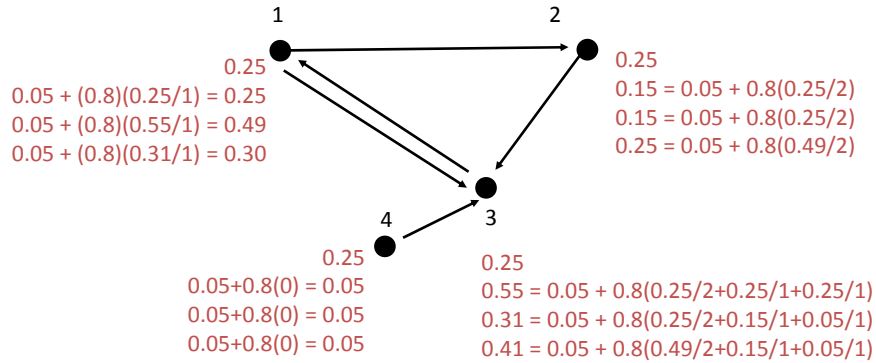
$$r_j = \frac{p}{n} + (1 - p) \sum_{i|i \rightarrow j} \frac{r_i}{d_i}$$



10

An example

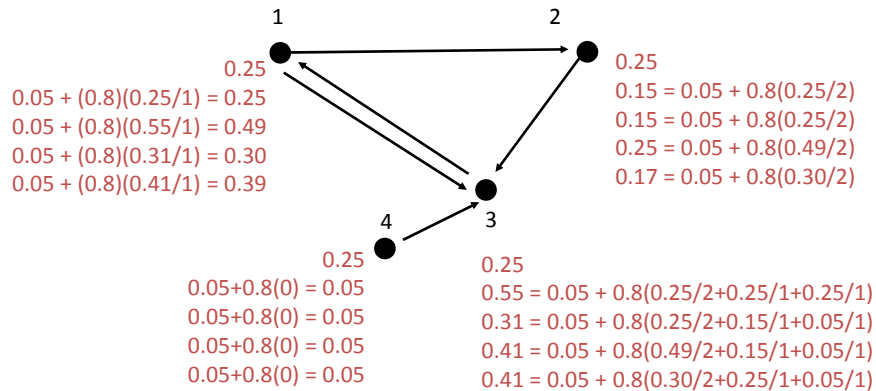
$$r_j = \frac{p}{n} + (1 - p) \sum_{i|i \rightarrow j} \frac{r_i}{d_i}$$



11

An example

$$r_j = \frac{p}{n} + (1 - p) \sum_{i|i \rightarrow j} \frac{r_i}{d_i}$$



12

An example

$$r_j = \frac{p}{n} + (1-p) \sum_{i|i \rightarrow j} \frac{r_i}{d_i}$$

