## Information Retrieval (Web Search)

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W[i,j]=1 if there is a hyperlink from page  $p_i$  to  $p_j$ 

□ The output of any LRS is a vector  $a=[a_1,..,a_{|BS|}]$ where  $a_i$  is the authoritativeness of page  $p_i$ 

Backward Neighbors, B(j)={p<sub>i</sub> | W[i,j]=1}
Forward Neighbors, F(i)={p<sub>i</sub> | W[i,j]=1}

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- Retrieve pages meeting query.
- Rank them by their pagerank.
- Order is query-independent.

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