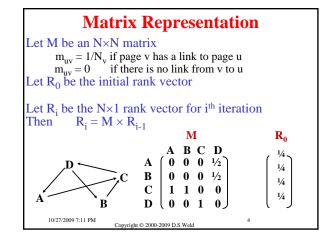
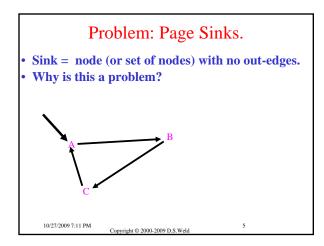
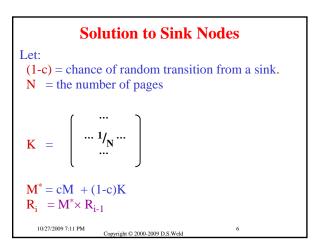


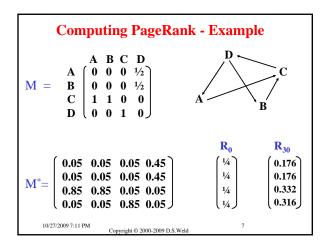


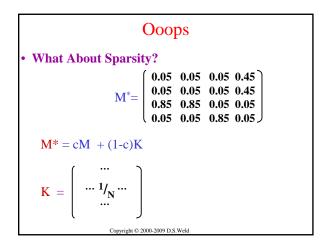
Dagerank Intuition Think of Web as a big graph. Suppose surfer keeps randomly clicking on the links. Importance of a page = probability of being on the page Derive transition matrix from adjacency matrix Suppose ∃ N forward links from page P Then the probability that surfer clicks on any one is 1/N

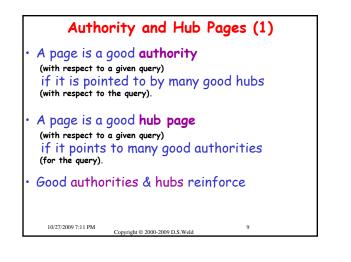


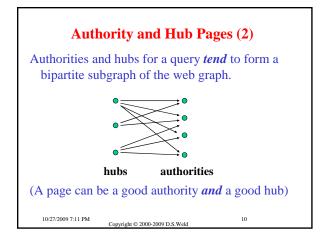


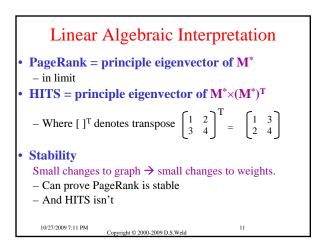












Stability Analysis (Empirical) Make 5 subsets by deleting 30% randomly 							
1	1	3	1	1	1]	
2	2	5	3	3	2		
3	3	12	6	6	3		
4	4	52	20	23	4		
5	5	171	119	99	5		
6	6	135	56	40	8		
7	10	179	159	100	7		
8	8	316	141	170	6		
9	9	257	107	72	9		
10	13	170	80	69	18		
PageRank much more stable							
10/27/2009 7:11 PM	Copyrig	tht © 2000-2009	D.S.Weld		12		

