

Consider the following web pages and the set of web pages they link to:

Page A points to pages B, C, and E.

Page D points to pages B and C.

Run the Hubs and Authorities algorithms on this subgraph of pages. Show the authority and hub scores for each page for each iteration. Do not include a normalization step.

Order the elements in the vectors in the order D,A,C,B,E.

Resolve the same problem including normalization at each iteration.

Solution: without normalization

	In	Out	Iteration 0		Iteration 1		Iteration 2	
			a	h	a	h	a	h
D	-	B,C	1	1	0	2	0	4
A	-	B,C,E	1	1	0	3	0	5
C	A,D	-	1	1	2	0	5	0
B	A,D	-	1	1	2	0	5	0
E	A	-	1	1	1	0	3	0