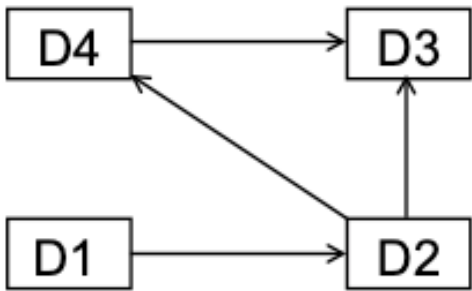


INFORMATION RETRIEVAL – SHORT EXERCISES IV – HITS, RELEVANCE FEEDBACK AND SPELLING CORRECTION

I. Consider the web graph presented below to the left. It involves four pages D1-D4 and four links. Fill in the adjacency matrix L given to the right.



0	1	0	0
0	0	0	0
0	0	1	0

The principal eigenvector of LL^T is $[0, 1.618, 0, 1]$ and the principal eigenvector of L^TL is $[0, 0, 1.618, 1]$.

What is $h(D_4)$? Answer: ...

The page with the greatest authority score is: ...

II. Compute the Levenshtein distance for "LEGIA" and "LECHIA".

		L	E	C	H	I	A
	0	1	2	3	4	5	6
L	1	0					
E	2		0				
G	3			1	2		
I	4					2	
A	5						2