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1. Write a python program that takes the outlink data of a subsection of the web and that computes the Normalized Hub and authority score using power iteration. The program should take the following parameters :
2. Number of sites in the sub-section of the web
3. Outlink data of the sites
4. Test your program using the following linkage data. Assume each site consists of only one text page.
5. Site A(outlinks to B,C,D)
6. Site B(outlinks to A,C,D)
7. Site C(outlinks to B,D)
8. Site D(outlinks to A,D,E)
9. Site E(outlinks to B,C,D)
10. Site F(outlinks to A)

Note: while computing Hub score and authority score, ignore “self – loops”.

Printout a table containing the following fields:

Site name, Normalized Hub score and Normalized authority score

1. Try different normalizations and observe rate of convergence
2. Explore/ experiment with python in-built features.