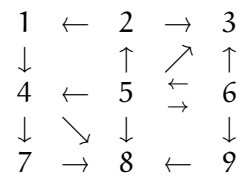


November 23, 2018

## Mathematics and Information, Exercise sheet 12

### Problem 1: (15 points)

- a) Compute the different importances (or weights) of the nine pages in the following *mini web* both according to PageRank and the HITS algorithm!



(Of course this can only be done with the help of a program like MatLab or a CAS.)

- b) Start with a vector all of whose components are one and check, how many iterations it takes to determine the vector with an accuracy of three digits!