

PS Algorithms for distributed systems

Exercise Sheet 5

<https://avs.cs.sbg.ac.at/>

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Exercise 5.1

Given a connected, acyclic CONGEST network with diameter D , prove that we can compute a Maximal Independent Set (MIS) deterministically in $O(D)$ rounds.

Exercise 5.2

Recap of exercise 4.3 and potentially homework sheet 1.