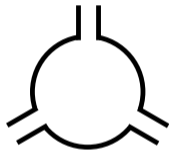# E – Maze Reduction

Michal 'misof' Forišek

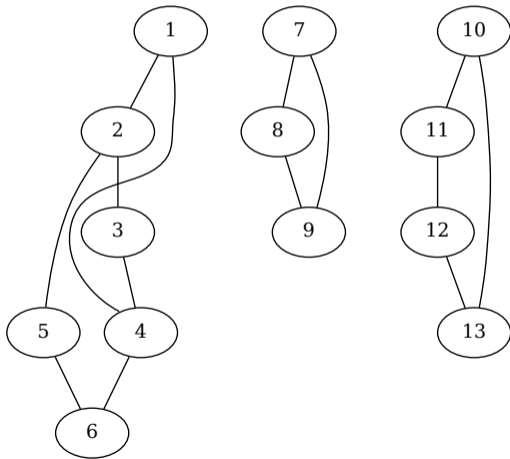ACM-ICPC World Finals, Ekaterinburg

ICPC
Analytics

Problem Description

- You are given a maze: an undirected graph. You know the order of outgoing edges.

- We drop you into a room. Walk around. Can you tell where you started?

Problem E

Sample maze:

Problem E

Solution #1: hashing

- examine all you can reach in some steps
- find a suitable hash function

Solution #2: DFA minimization