

goal: Bucharest

DFS
depth first
search

Sibiu

expand

Oradea
d

Arad
d

RV
d

Fajenas
d

children

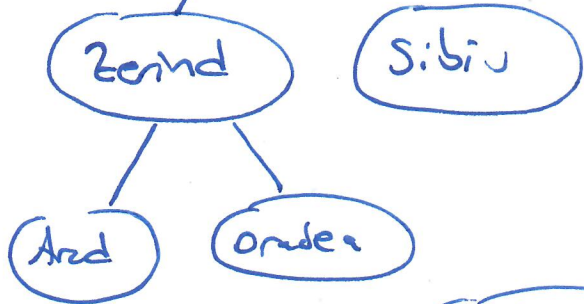
1

expand children
take closest one

d: distance

goal check

ordering of
the children
is arbitrary



BFS

Sibiu

Oradea

Arad

RV

Fajenas

Zerind

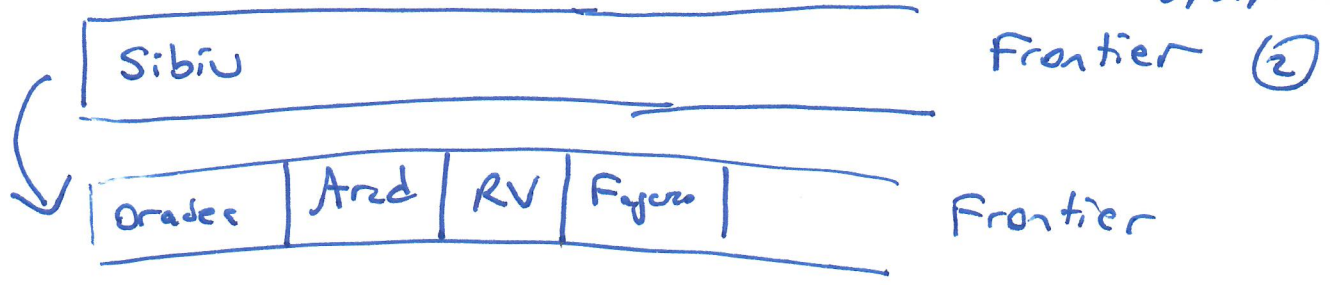
Sibiu

T

Sibiu

Zerind

CS5811
 Aug. 31, 2020
 Monday



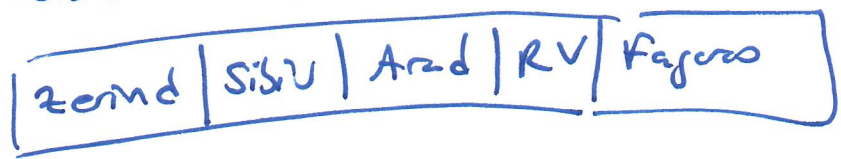
Sibiu
O, A, RV, F



BFS

Oradea
Zerind Sibiu

DFS



List of unexpanded nodes
(their children
have not been
explored)

Frontier list

search algorithm action: **expand**
obtain the children
of a node

What to do with the expanded node.

- discard
- store to relatively big storage
- discard by storing to avoid circles
- store to retrieve the path