

TA O.H. for A2 remarking request: Wed
(tomorrow) 1-2 in CSEB 3013.

Assignment 3 available on the web.

Breadth-first search

1. For v in V do $colour[v] \leftarrow WHITE$
2. Queue $Q \leftarrow s$ % start from s (FIFO)
3. While Q is not empty do
4. $v \leftarrow Dequeue(Q)$ % first in the queue
5. **Computation on v**
6. For each neighbour u of v do
7. If $colour[u] = WHITE$
8. **Computation on edge (v, u)**
9. $colour[u] \leftarrow GRAY$
10. Enqueue(Q, u)
11. End If
12. End For
13. End While