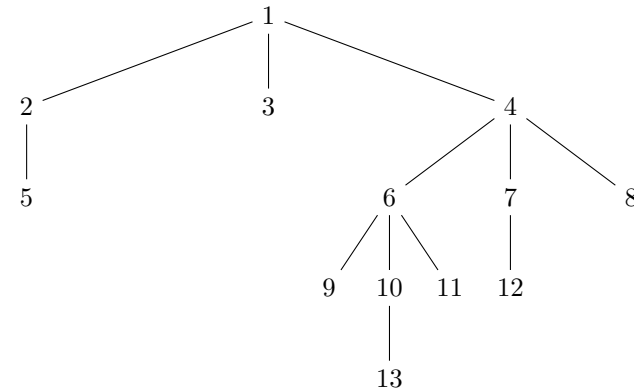


NOTES ON QUEUES AND BREATH FIRST SEARCH

ERIC MARTIN



Dequeuing a path from the front of the queue (right of list) and enqueueing its extensions to the back of the queue.

$[[1]]$

$[[1, 4], [1, 3], [1, 2]]$

$[[1, 4], [1, 3]]$

$[[1, 2, 5], [1, 4], [1, 3]]$

$[[1, 2, 5], [1, 4]]$

$[[1, 2, 5]]$

$[[1, 4, 8], [1, 4, 7], [1, 4, 6], [1, 2, 5]]$

$[[1, 4, 8], [1, 4, 7], [1, 4, 6]]$

$[[1, 4, 8], [1, 4, 7]]$

$[[1, 4, 6, 11], [1, 4, 6, 10], [1, 4, 6, 9], [1, 4, 8], [1, 4, 7]]$

$[[1, 4, 6, 11], [1, 4, 6, 10], [1, 4, 6, 9], [1, 4, 8]]$

$[[1, 4, 7, 12], [1, 4, 6, 11], [1, 4, 6, 10], [1, 4, 6, 9], [1, 4, 8]]$

$[[1, 4, 7, 12], [1, 4, 6, 11], [1, 4, 6, 10], [1, 4, 6, 9]]$

$[[1, 4, 7, 12], [1, 4, 6, 11], [1, 4, 6, 10]]$

$[[1, 4, 7, 12], [1, 4, 6, 11]]$

$[[1, 4, 6, 10, 13], [1, 4, 7, 12], [1, 4, 6, 11]]$

$[[1, 4, 6, 10, 13], [1, 4, 7, 12]]$

$[[1, 4, 6, 10, 13]]$

$[[1, 4, 6, 10, 13]]$

$[1]$

$[1, 2]$

$[1, 3]$

$[1, 4]$

$[1, 2, 5]$

$[1, 4, 6]$

$[1, 4, 7]$

$[1, 4, 8]$

$[1, 4, 6, 9]$

$[1, 4, 6, 10]$

$[1, 4, 6, 11]$

$[1, 4, 7, 12]$

$[1, 4, 6, 10, 13]$