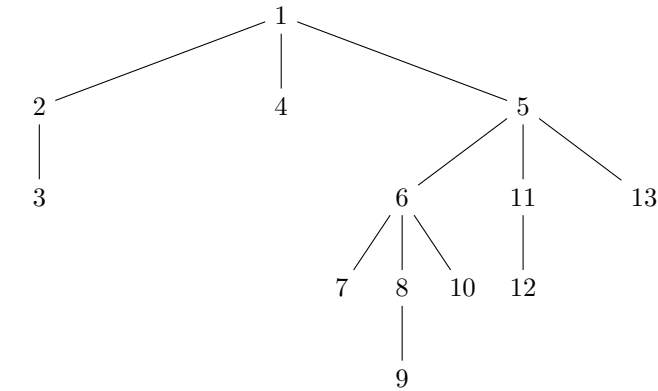


# NOTES ON STACKS AND DEPTH FIRST SEARCH

ERIC MARTIN



Popping a path from the top of the stack (right of list) and pushing its extensions from right to left to the top of the stack.

[1]

[]

[1]

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

[1, 5], [1, 4]

[1, 2]

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

[1, 5], [1, 4]

[1, 2, 3]

[1, 5]

[1, 4]

[]

[1, 5]

[1, 5, 13], [1, 5, 11], [1, 5, 6]

[1, 5, 13], [1, 5, 11]

[1, 5, 6]

[1, 5, 13], [1, 5, 11], [1, 5, 6, 10], [1, 5, 6, 8], [1, 5, 6, 7]

[1, 5, 13], [1, 5, 11], [1, 5, 6, 10], [1, 5, 6, 8]

[1, 5, 6, 7]

[1, 5, 13], [1, 5, 11], [1, 5, 6, 10]

[1, 5, 6, 8]

[1, 5, 13], [1, 5, 11], [1, 5, 6, 10], [1, 5, 6, 8, 9]

[1, 5, 13], [1, 5, 11], [1, 5, 6, 10]

[1, 5, 6, 8, 9]

[1, 5, 13], [1, 5, 11]

[1, 5, 6, 10]

[1, 5, 13]

[1, 5, 11]

[1, 5, 13], [1, 5, 11, 12]

[1, 5, 13]

[1, 5, 11, 12]

[]

[1, 5, 13]