

Recursion

Whiteboard discussion

1. Recursive definition for a perfect binary tree
2. Discussion of $\{0,1\}^*$ and how to define it recursively
3. Challenge 8.8.1 as a class

Work with a partner

Complete the following Additional Exercises

8.8.1

8.8.2 a,b,c

8.8.4 a,b,c

8.8.6 a

8.8.10 a-c

Work with a partner

Implement the following using Python:

- Factorial function
- Additional Exercise 8.10.1
- Additional Exercise 8.10.2

Extras

Python recurrence relation examples

Recurrence relations in Python