Topological entanglement entropy of xxx system

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Introduction

definition

- Von Neumann entanglement entropy:

$$S(\rho_A) = -Tr[\rho_A \log \rho_A] = -Tr[\rho_B \log \rho_B] = S(\rho_B)$$

where $\rho_A = Tr_B(\rho_{AB})$ and $\rho_B = Tr_A(\rho_{AB})$ are reduced density matrices.

  - for 2d CFT:
    some cool stuff

- topological entanglement entropy

motivation

Breakfast

- Eat eggs
- Drink coffee

In the evening

Dinner

- Eat spaghetti
- Drink wine

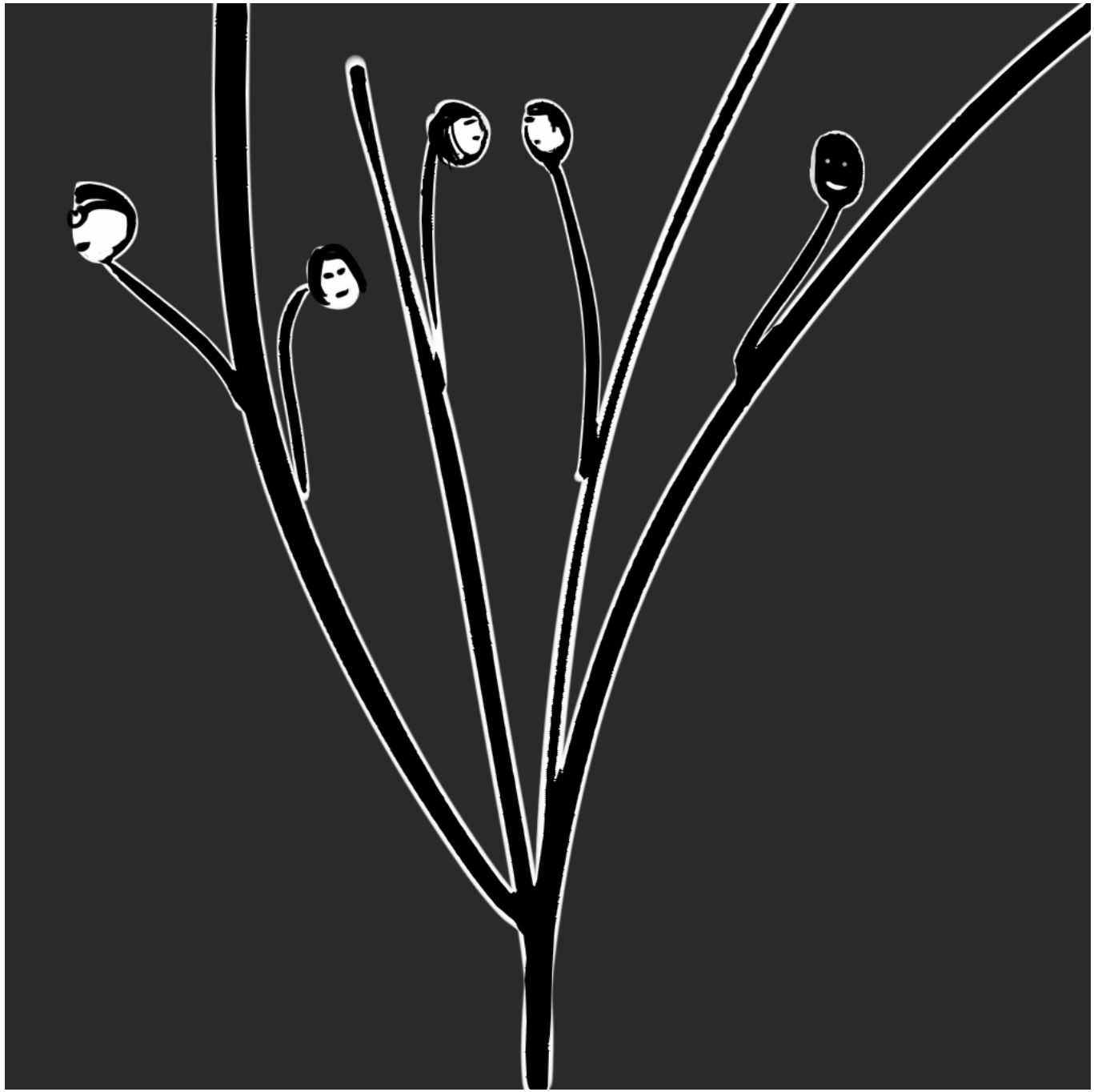

Figure 1: picture of spaghetti

Going to sleep

- Get in bed
- Count sheep