What is Consensus?

Formal problem statement

- N processes

- Each process p has

  input variable xp : initially either 0 or 1

  output variable yp : initially b (can be changed only once)

- Consensus problem: design a protocol so that at the end, either:

  1. All processes set their output variables to 0 (all-0's)

  2. Or All processes set their output variables to 1 (all-1's)