## 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)