

Leader-Worker Parallel Pizza-Eating Algorithm

1. Define N: How many slices of pizza?
2. Define P: How many people?
3. Define LEADER (0..P-1, usually 0).
4. Get your own personal, unique id number (0..P-1).
5. If $id == LEADER$:
 - While the pizza-box is not empty:
 - a. Get a slice of pizza from the box.
 - b. Give that slice to a WORKER.
 - Announce: "The pizza is all gone!"
- Otherwise (non-LEADER == WORKER):
 - While there is pizza remaining:
 - a. Get a slice of pizza from the LEADER.
 - b. Eat that slice.

N: 16

P: 4

LEADER: 0

id: 0 1 2 3

