

Leader-Worker Parallel Pizza-Eating Algorithm

1. Define N: How many slices of pizza? N:
 2. Define P: How many people? P:
 3. Define LEADER (0..P-1, usually 0). LEADER:
 4. Get your own personal, unique id number (0..P-1). id:
 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.

*Penelope's
Parallel
Pizzeria*