"Consecutive Slices" Parallel Pizza-Eating Algorithm
(does <u>not</u> assume N is evenly divisible by P)

1. Define N: How many slices of pizza? N: ☐

2. Define P: How many people? P: ☐

3. Compute slicesPP1 = ceiling(float(N)/P). slicesPP1: ☐

4. Compute slicesPP2 = slicesPP1 – 1. slicesPP2: ☐

5. Compute remnants = N % P (the remainder of N/P). remnants: ☐

6. Assign each slice of pizza a unique number (0..N-1).

7. Get your own personal, unique id number (0..P-1). id: ☐

8. Compute start = id * slicesPP1; stop = start + slicesPP1. start: ☐

9. If (remnants > 0) AND (id >= remnants), recompute: stop: ☐
   start = remnants * slicesPP1 + (id – remnants) * slicesPP2;
   stop = start + slicesPP2.

10. For (s = start; s < stop; ++s):
    Eat slice s. s (slice #s eaten): ☐