Hands-On III:
Multi-Producer / Consumer Bounded Buffer
(task parallelism)
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Goal: Make Bounded Buffer Code Better

We’re providing:
- a single-producer, single-consumer bounded buffer code
  - boundedBuffer.chpl

Your goal is to:
- extend this code to support multiple producers and consumers
  - producers: each produce a fraction of the range 0..#numItems
  - consumers: consume from the bounded buffer greedily
- work involves:
  - creating multiple producer and consumer tasks
  - coordinating their accesses to the head / tail values of the buffer
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