Worksheet #33: impact of distribution on parallel completion time (instead of locality)

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```
public void sampleKernel(
        int iterations, int numChunks, Dist d) {
2.
      for (int iter = 0; iter < iterations; iter++) {</pre>
3.
        finish(() -> {
4.
          forseq (0, numChunks - 1, (jj) -> {
5.
            asyncAt(dist.get(jj), () -> {
6.
7.
              perf.doWork(jj);
              // Assume that time to process chunk jj = jj units
8.
9.
          });
10.
         });
11.
        });
         double[] temp = myNew; myNew = myVal; myVal = temp;
12.
13.
      } // for iter
14. } // sample kernel
```

- Assume an execution with n places, each place with one worker thread
- Will a block or cyclic distribution for d have a smaller abstract completion time, assuming that all tasks on the same place are serialized?

