Worksheet: impact of distribution on parallel completion time

```
public void sampleKernel(
int iterations, int numChunks, Distribution dist) {
for (int iter = 0; iter < iterations; iter++) {</li>
finish(() -> {
for (0, numChunks - 1, (jj) -> {
asyncAt(dist.get(jj), () -> {
doWork(jj);
// Assume that time to process chunk jj = jj units
});
});
});
});
});
});
}// for iter
}// sample kernel
```

- Assume an execution with n places, each place with one worker thread
- Will a block or cyclic distribution for dist have a smaller abstract completion time, assuming one worker per place?
- •Answer: Cyclic distribution because it leads to better load balance (locality was not a consideration in this problem)

