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CSE 179

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Lab 3

**Task 1: Producer Consumer**

After parallelizing prod\_cons.c, you need to make sure that the tasks will be distributed evenly to reduce slowdown.

To do so, we use sections to separate the tasks using #pragma omp sections. Another optimization that can be done is using pragma omp flush(flag). It allows one to synch up the implementations and makes sure that any possible values in the flag pointer is synched.

**Task 2: Prefix sum**

**1. Attached prefix\_sum.c**

**2. unsure how to parallel it. . .**

**Task 3: Linked List**

**1. Attached “linked.c”**

**2. Attached “linked\_2.c”**