```
bk121@gpu24:given$ make
g++ -Wall -c helper.cc main.cc
g++ -Wall -pthread -o main helper.o main.o
bk121@gpu24:given$ ./main 5 6 2 3
Producer(1): Job id 0 duration 9
Consumer(1): Job id 0 executing sleep duration 9
Producer(2): Job id 1 duration 10
Consumer(2): Job id 1 executing sleep duration 10
Producer(1): Job id 2 duration 2
Consumer(3): Job id 2 executing sleep duration 2
Producer(1): Job id 3 duration 4
Consumer(3): Job id 2 completed
Consumer(3): Job id 3 executing sleep duration 4
Producer(1): Job id 4 duration 4
Producer(2): Job id 0 duration 6
Producer(1): Job id 1 duration 4
Producer(1): Job id 2 duration 2
Producer(1): No more jobs to generate.
Consumer(1): Job id 0 completed
Producer(2): Job id 3 duration 6
Consumer(1): Job id 4 executing sleep duration 4
Consumer(3): Job id 3 completed
Consumer(3): Job id 0 executing sleep duration 6
Producer(2): Job id 4 duration 8
Consumer(2): Job id 1 completed
Consumer(2): Job id 1 executing sleep duration 4
Consumer(1): Job id 4 completed
Consumer(1): Job id 2 executing sleep duration 2
Consumer(1): Job id 2 completed
Consumer(1): Job id 3 executing sleep duration 6
Producer(2): Job id 0 duration 10
Consumer(3): Job id 0 completed
Consumer(3): Job id 4 executing sleep duration 8
Consumer(2): Job id 1 completed
Consumer(2): Job id 0 executing sleep duration 10
Producer(2): Job id 1 duration 8
Producer(2): No more jobs to generate.
Consumer(1): Job id 3 completed
Consumer(1): Job id 1 executing sleep duration 8
Consumer(3): Job id 4 completed
Consumer(2): Job id 0 completed
Consumer(1): Job id 1 completed
Consumer(3): No more jobs left.
Consumer(2): No more jobs left.
Consumer(1): No more jobs left.
bk121@gpu24:given$ PrtSc
PrtSc: command not found
bk121@gpu24:given$
```