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```
am4619@edge09:given$ ./main 4 5 3 4
Producer(1): Job id 1 duration 4
Producer(2): Job id 2 duration 8
Producer(3): Job id 3 duration 6
Consumer(1): Job id 1 executing sleep duration 4
Consumer(3): Job id 2 executing sleep duration 8
Consumer(2): Job id 3 executing sleep duration 6
Producer(3): Job id 4 duration 7
Consumer(4): Job id 4 executing sleep duration 7
Producer(1): Job id 1 duration 10
Consumer(1): Job id 1 completed.
Producer(2): Job id 2 duration 3
Consumer(1): Job id 1 executing sleep duration 10
Producer(1): Job id 3 duration 1
Producer(3): Job id 4 duration 4
Consumer(2): Job id 3 completed.
Consumer(2): Job id 2 executing sleep duration 3
Producer(3): Job id 1 duration 1
Producer(2): Job id 2 duration 3
Consumer(3): Job id 2 completed.
Consumer(3): Job id 3 executing sleep duration 1
Consumer(4): Job id 4 completed.
Producer(3): Job id 3 duration 2
Consumer(4): Job id 4 executing sleep duration 4
Producer(1): Job id 4 duration 8
Consumer(2): Job id 2 completed.
Consumer(3): Job id 3 completed.
Consumer(2): Job id 1 executing sleep duration 1
Producer(2): Job id 1 duration 3
Consumer(3): Job id 2 executing sleep duration 3
Producer(2): Job id 2 duration 3
Consumer(2): Job id 1 completed.
Consumer(2): Job id 3 executing sleep duration 2
Consumer(3): Job id 2 completed.
Producer(3): no more jobs to generate.
Consumer(4): Job id 4 completed.
Consumer(3): Job id 4 executing sleep duration 8
Consumer(4): Job id 1 executing sleep duration 3
Consumer(1): Job id 1 completed.
Producer(1): Job id 3 duration 8
Consumer(1): Job id 2 executing sleep duration 3
Producer(2): no more jobs to generate.
Consumer(2): Job id 3 completed.
Consumer(2): Job id 3 executing sleep duration 8
Producer(1): no more jobs to generate.
Consumer(4): Job id 1 completed.
Consumer(1): Job id 2 completed.
Consumer(3): Job id 4 completed.
Consumer(2): Job id 3 completed.
Consumer(4): no more jobs left.
Consumer(1): no more jobs left.
Consumer(3): no more jobs left.
Consumer(2): no more jobs left.
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```