

```
1 Assignment 15
2
3 Init:
4     Semaphores creamBaker = new Semaphore(0)
5     Semaphores chocolateBaker = new Semaphore(0)
6     Semaphores plainbollaBaker = new Semaphore(0)
7
8 Master baker:
9     while True:
10        int choice= random(1,3)
11        switch(choice){
12            case 1:
13                offer(cream, chocolate)
14                creamBaker.release()
15            case 2:
16                offer(cream, plainbolla)
17                chocolateBaker.release()
18            case 3:
19                offer(plainbolla, chocolate)
20                plainbollaBaker.release()
21        }
22
23 Assistant baker with cream:
24 while True:
25     creamBaker.acquire(1)
26     ingredients:=fetch()
27     assemble(ingredients, cream)
28
29 Assistant baker with chocolate:
30 while True:
31     choclateBaker.acquire(1)
32     ingredients:=fetch()
33     assemble(ingredients, chocolate)
34
35 Assistant baker with plainbolla:
36 while True:
37     plainbollaBaker.acquire(1)
38     ingredients:=fetch()
39     assemble(ingredients, plainbolla)
```