```
Assignment 15

Init:
    Semaphores creamBaker = new Semaphore(0)
    Semaphores chocolateBaker = new Semaphore(0)
    Semaphores plainbollaBaker = new Semaphore(0)

Master baker:
    while True:
    int choice= random(1,3)
    switch(choice){
        case 1:
            offer(cream, chocolate)
            creamBaker.release()
        case 2:
            offer(cream, plainbolla)
            chocolateBaker.release()
        case 3:
            offer(plainbolla, chocolate)
            plainbollaBaker.release()
    }

Assistant baker with cream:
while True:
    creamBaker.acquire(1)
    ingredients:=fetch()
    assemble(ingredients, cream)

Assistant baker with chocolate:
while True:
    choclateBaker.acquire(1)
    ingredients:=fetch()
    assemble(ingredients, chocolate)

Assistant baker with plainbolla:
while True:
    plainbollaBaker.acquire(1)
    ingredients:=fetch()
    assemble(ingredients, plainbolla)
```