

```
m: mutex
c: condition variable
r: semaphore
```

Kezban

```
for(;;){
    obtain two random materials
    lock(m)
    deposit materials

    // let them all know that the materials have arrived
    broadcast(c,m)

    unlock(m)
    // wait for the result to be ready for pickup
    wait(r)
}
```

Metin-Ali-Feyyaz

```
for(;;){
    lock(m)

    // while the materials are not there...wait
    while( ! required_materials_are_there)
        cwait(c,m)

    take_materials
    unlock(m)
    prepare_output

    // let Kezban know that the result is ready for pickup
    post(r)
}
```