Real world scenario :

There is one room available in the hotel and there are five people and 5 cards.

When a person wants to enter the room in order to sleep,

he must have two cards,

and one person must enter at time.

Pseudocode:

```
void philosopher(int i)
{
  While(true)
  {
    take_fork(i); //pick the left fork\
    take_fork((i+1)%N); //pick the right fork
    eat();
    put_fork(i);  //put the left fork
    put_fork((i+1)%N);  //put the right fork

  }
}
```