```
1)
int mivalor = 1;
while(mivalor == 1){
       while(lock ==1);
        Exchange(lock, mivalor);
}
lock = 0
2)
a)
<turn[i] = number; number = (number%n )+ 1;>
while(turn[i] != next);
next = next N + 1;
b)
int number = 1;
int next = 1;
int Fetch_Add(int var, int incr){
       int tmp = var;
       var = var + incr;
       return tmp;
}
turn[i] = Fetch_Add(number, 1);
if(turn[i] == N + 1)
       turn[i] = Fetch_Add(number, -N);
if(turn[i] > N)\{turn[i] = N;\}
while(turn[i] != next);
next = next\%N + 1;
```

```
3)
int arrive[n] = ([n] 0);
int continue[n]=([n] 0);
process Worker[i=1 to n] {
while (true)
{ // iteracion proceso i
       arrive[i] = 1;
       while (continue[i]!=1); <await (continue[i] == 1)</pre>
       continue[i]=0;
}
}
process coord
while(true){
               // 1º ESPERO QUE LLEGUEN TODOS
       for[i = 1 to n]{
               while(arrive[i] == 0)
               arrive[i] = 0;
       }
               // 2º INDICO QUE ARRANQUEN
       for[i = 1 to n]
               continue[i] = 1;
}
```

}