Bakery Algorithm, page 197 in textbook
(Note that the second while loop has a mistake in the textbook, which has been fixed here.)

```
do {
   choosing[i]=true;
   number[i]=max{number[0],number[1],...,number[n-1]}+1;
   choosing[i]=false;
   for(j=0; j<n; j++) {
     while(choosing[j]);
     while((number[j]!=0)&&((number[j],j)<(number[i],i)));
   }

     CRITICAL SECTION

   number[i]=0;

     REMINDER SECTION

} while(1);
```