



Esercitazione Rendezvous MCAD 2021/2022?

In coda dal fornaio



```
process server{
  int MAX = 100
  int serving = 0, last = 1, nrClients = 0;
  process clients[0, MAX-1];
  entry takeNumber, nextClient;
  entry makeOrder(in Order order);
  entry serveBread(in Bread bread);
  entry receivedBread(out Bread bread)
  boolean servingClient = false, orderingClient = false;
  Order newOrder;
  Bread receivedBread;

  do
    (nrClients != MAX); accept takeNumber(out int number)
    {
      number = last;
    }; ->
    nrClients ++;
    last = (last + 1) % MAX;

    (nrClient != 0); accept nextClient; ->
    orderingClient = true;
    accept called[serving];
    serving = (serving + 1) % MAX;

    (orderingClient == true) accept makeOrder(in Order order)
    {newOrder = order}; ->
    call baker.takeOrder(newOrder);
    orderingClient = false;
    servingClient = true;

    (servingClient == true) accept serveBread(in Bread bread)
    { receivedBread = bread}; ->
    accept receiveBread(out Bread receivedBread);
    servingClient = false;
    nrClients --;
  od
}
```



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Fornaio	Cliente
<pre>process baker{ Bread bread; Order newOrder; entry takeOrder(in Order order); loop forever call server.nextClient; accept takeOrder(in Order order) {newOrder = order}; bread = <take bread> call server.serveBread(bread); }</pre>	<pre>process client{ Order order; Bread receivedBread; int number; call server.takeNumber(number); call server.called[number](); order = <effettua ordine> call server.receiveBread(bread) {receivedBread = bread} }</pre>