```
 1  queue :: [Int] -> (STS Chan Msg)
 2  queue qq =  In ? \m -> True
 3                >->
 4             ( [isEnq m]           =>>
 5                                Out ! Ok
 6                >-> queue (qq++[val m])
 7                                ##
 8               [isDeq m, empty qq] =>>
 9                             Out ! Empty
10                >-> queue []
11                                ##
12               [isDeq m, not(empty qq)] =>>
13                             Out ! Data
14                                (first qq)
15                >-> queue (rest qq)
16                                 )
17
```