```
process Allocator {
  int avail = MAXUNITS;
  set units = initial values;
  int index, unitid;
  do avail > 0; Client[*]?acquire(index) ->
        avail--; remove(units, unitid);
        Client[index]!reply(unitid);
  [] Client[*]?release(index, unitid) ->
        avail++; insert(units,unitid);
  od
}
```

Resource allocator in CSP.