```
--algorithm OneBitMutex
{ variable x = [i \in Procs \mapsto FALSE];
  fair process (p \in Procs)
     variables unchecked = \{\};
                 other \in Procs:
     { ncs:- while (TRUE)
               { e1: x[self] := TRUE;
                     unchecked := Procs \setminus \{self\};
                 e2: while (unchecked \neq \{\})
                             with (i \in unchecked) \{ other := i \} ;
                              unchecked := unchecked \setminus \{other\};
                          e3: if (x[other])
                                 { if (self > other)
                                     \{ e4: x[self] := FALSE; \}
                                         e5: await \neg x[other];
                                             goto e1:
                                   else { e6: await \neg x[other] ; }
                                };
                          };
                 cs: \mathbf{skip};
                f: x[self] := FALSE
```