Algorithm 3.14: Manna-Pnueli algorithm	
integer wantp ← 0, wantq ← 0	
p	**q**
loop forever	loop forever
p1: non-critical section	q1: non-critical section
p2: if wantq $= -1$	q2: if wantp $= -1$
wantp $\leftarrow -1$	wantq $\leftarrow 1$
else wantp $\leftarrow 1$	else wantq $\leftarrow -1$
p3: await wantq $\neq$ wantp	q3: await wantp $\neq -$ wantq
p4: critical section	q4: critical section
p5: wantp $\leftarrow 0$	q5: wantq $\leftarrow 0$