Wsq: (without fence but „optimazation" of fence)
```
process1(){
        push(555);
        take(tvalue2);
        push(777);
        push(999);
    }
process2(){
    steal(svalue);
    steal(s2);
}
```

Wsq: (with fence in take() and „optimized" fence)
```
process1(){
    push(555);
    take(tvalue2);
    push(777);
    push(999);
}
process2(){
    steal(svalue);
    steal(s2);
}
```

State-vector 872 byte, depth reached 1289, errors: 0
 12135124 states, stored
 17005682 states, matched
 29140806 transitions (= stored+matched)
1.5739614e+08 atomic steps
hash conflicts:   3187150 (resolved)

Stats on memory usage (in Megabytes):
10415.660      equivalent memory usage for states (stored*(State-vector + overhead))
 499.577       actual memory usage for states (compression: 4.80%)
        state-vector as stored = 15 byte + 28 byte overhead
 128.000       memory used for hash table (-w24)
   0.534       memory used for DFS stack (-m10000)
 627.948       total actual memory usage

nr of templates: [ 0:globals 1:chans 2:procs ]
collapse counts: [ 0:40259 2:19321 3:767 4:3696 5:12 ]

pan: elapsed time 128 seconds
No errors found -- did you verify all claims?

State-vector 872 byte, depth reached 1295, errors: 0
 11622923 states, stored
 16268415 states, matched
 27891338 transitions (= stored+matched)
1.4888045e+08 atomic steps
hash conflicts:   3015024 (resolved)

Stats on memory usage (in Megabytes):
 9976.035      equivalent memory usage for states (stored*(State-vector + overhead))
 477.213       actual memory usage for states (compression: 4.78%)
        state-vector as stored = 15 byte + 28 byte overhead
 128.000       memory used for hash table (-w24)
   0.534       memory used for DFS stack (-m10000)
 605.585       total actual memory usage

nr of templates: [ 0:globals 1:chans 2:procs ]
collapse counts: [ 0:39863 2:17929 3:773 4:3696 5:12 ]

pan: elapsed time 127 seconds
No errors found -- did you verify all claims?

Wsq: (with fence in take() but **no** optimazation)
```
process1(){
        push(555);
        take(tvalue2);
        push(777);
        push(999);
    }
process2(){
    steal(svalue);
    steal(s2);
}
```

State-vector 872 byte, depth reached 1297, errors: 0
 11599264 states, stored
 16241436 states, matched
 27840700 transitions (= stored+matched)
1.4931478e+08 atomic steps
hash conflicts:   2944313 (resolved)

Stats on memory usage (in Megabytes):
 9955.728        equivalent memory usage for states (stored*(State-vector + overhead))
 476.234         actual memory usage for states (compression: 4.78%)
        state-vector as stored = 15 byte + 28 byte overhead
 128.000         memory used for hash table (-w24)
   0.534         memory used for DFS stack (-m10000)
 604.608         total actual memory usage

nr of templates: [ 0:globals 1:chans 2:procs ]
collapse counts: [ 0:39756 2:17924 3:767 4:3561 5:12 ]

pan: elapsed time 118 seconds
No errors found -- did you verify all claims?

Wsq: (with fence in take() **and** „optimized" fence)
```
process1(){
    push(555);
    take(tvalue2);
    push(777);
    push(999);
}
process2(){
    steal(svalue);
    steal(s2);
}
```

State-vector 872 byte, depth reached 1295, errors: 0
 11622923 states, stored
 16268415 states, matched
 27891338 transitions (= stored+matched)
1.4888045e+08 atomic steps
hash conflicts:   3015024 (resolved)

Stats on memory usage (in Megabytes):
 9976.035        equivalent memory usage for states (stored*(State-vector + overhead))
 477.213         actual memory usage for states (compression: 4.78%)
        state-vector as stored = 15 byte + 28 byte overhead
 128.000         memory used for hash table (-w24)
   0.534         memory used for DFS stack (-m10000)
 605.585         total actual memory usage

nr of templates: [ 0:globals 1:chans 2:procs ]
collapse counts: [ 0:39863 2:17929 3:773 4:3696 5:12 ]

pan: elapsed time 127 seconds
No errors found -- did you verify all claims?

Wsq: (without fence but „optimazation" of fence)
```
process1(){
        push(555);
        take(tvalue2);
        push(777);
        push(999);
    }
process2(){
    steal(svalue);
    steal(s2);
}
```

State-vector 872 byte, depth reached 1289, errors: 0
 12135124 states, stored
 17005682 states, matched
 29140806 transitions (= stored+matched)
1.5739614e+08 atomic steps
hash conflicts:   3187150 (resolved)

Stats on memory usage (in Megabytes):
10415.660      equivalent memory usage for states (stored*(State-vector + overhead))
 499.577      actual memory usage for states (compression: 4.80%)
        state-vector as stored = 15 byte + 28 byte overhead
 128.000      memory used for hash table (-w24)
  0.534      memory used for DFS stack (-m10000)
 627.948      total actual memory usage

nr of templates: [ 0:globals 1:chans 2:procs ]
collapse counts: [ 0:40259 2:19321 3:767 4:3696 5:12 ]

pan: elapsed time 128 seconds
No errors found -- did you verify all claims?

Wsq: (without fence in take() and **no** optimazation)
```
process1(){
        push(555);
        take(tvalue2);
        push(777);
        push(999);
    }
process2(){
    steal(svalue);
    steal(s2);
}
```

State-vector 872 byte, depth reached 1293, errors: 0
 12110799 states, stored
 16977899 states, matched
 29088698 transitions (= stored+matched)
1.5791698e+08 atomic steps
hash conflicts:   3181039 (resolved)

Stats on memory usage (in Megabytes):
10394.782      equivalent memory usage for states (stored*(State-vector + overhead))
 498.504      actual memory usage for states (compression: 4.80%)
        state-vector as stored = 15 byte + 28 byte overhead
 128.000      memory used for hash table (-w24)
  0.534      memory used for DFS stack (-m10000)
 626.874      total actual memory usage

nr of templates: [ 0:globals 1:chans 2:procs ]
collapse counts: [ 0:40154 2:19316 3:764 4:3561 5:12 ]

pan: elapsed time 139 seconds
No errors found -- did you verify all claims?

Wsq: no opimization with fence
```
process1(){
      push(555);
      mfence();
      push(777);
      push(999);
      take(tvalue1);
}
process2() {
      steal();
}
```

State-vector 912 byte, depth reached 2219, errors: 0
 3080207 states, stored
 4217328 states, matched
 7297535 transitions (= stored+matched)
 45887468 atomic steps
hash conflicts:    182947 (resolved)

Stats on memory usage (in Megabytes):
 2761.263      equivalent memory usage for states (stored*(State-vector + overhead))
 131.253       actual memory usage for states (compression: 4.75%)
        state-vector as stored = 17 byte + 28 byte overhead
 128.000       memory used for hash table (-w24)
 0.534         memory used for DFS stack (-m10000)
 259.687       total actual memory usage

nr of templates: [ 0:globals 1:chans 2:procs ]
collapse counts: [ 0:21760 2:11132 3:1040 4:813 6:12 ]

pan: elapsed time 36 seconds
No errors found -- did you verify all claims?

Wsq: With optimization with fence
```
process1(){
      push(555);
      mfence();
      push(777);
      push(999);
      take(tvalue1);
}
process2() {
      steal();
}
```

State-vector 912 byte, depth reached 2225, errors: 0
 2983823 states, stored
 4070196 states, matched
 7054019 transitions (= stored+matched)
 43871332 atomic steps
hash conflicts:    168812 (resolved)

Stats on memory usage (in Megabytes):
 2674.860      equivalent memory usage for states (stored*(State-vector + overhead))
 127.735       actual memory usage for states (compression: 4.78%)
        state-vector as stored = 17 byte + 28 byte overhead
 128.000       memory used for hash table (-w24)
 0.534         memory used for DFS stack (-m10000)
 256.171       total actual memory usage

nr of templates: [ 0:globals 1:chans 2:procs ]
collapse counts: [ 0:22102 2:11083 3:1052 4:837 6:12 ]

pan: elapsed time 32.3 seconds
No errors found -- did you verify all claims?

Wsq: no optimization

```
process1(){
      short tvalue1;
      push(555);
      take(tvalue1);
}
```

State-vector 512 byte, depth reached 375, errors: 0
    346 states, stored
    139 states, matched
    485 transitions (= stored+matched)
    2374 atomic steps
hash conflicts:        0 (resolved)

Stats on memory usage (in Megabytes):
    0.178          equivalent memory usage for states (stored*(State-vector + overhead))
    0.196          actual memory usage for states
  128.000          memory used for hash table (-w24)
    0.534          memory used for DFS stack (-m10000)
  128.730          total actual memory usage

nr of templates: [ 0:globals 1:chans 2:procs ]
collapse counts: [ 0:26 2:220 3:56 4:12 ]

pan: elapsed time 0.01 seconds
No errors found -- did you verify all claims?

Wsq: with optimization

```
process1(){
      short tvalue1;
      push(555);
      take(tvalue1);
}
```

State-vector 512 byte, depth reached 377, errors: 0
    347 states, stored
    139 states, matched
    486 transitions (= stored+matched)
    2374 atomic steps
hash conflicts:        0 (resolved)

Stats on memory usage (in Megabytes):
    0.179          equivalent memory usage for states (stored*(State-vector + overhead))
    0.196          actual memory usage for states
  128.000          memory used for hash table (-w24)
    0.534          memory used for DFS stack (-m10000)
  128.730          total actual memory usage

nr of templates: [ 0:globals 1:chans 2:procs ]
collapse counts: [ 0:26 2:221 3:58 4:12 ]

pan: elapsed time 0.01 seconds
No errors found -- did you verify all claims?