```
Maude> (search 1 mutex() where p1 = 2)
rewrites: 1346 in 57ms cpu (57ms real) (23585 rewrites/second)
BMaude: Search trace
State 1 :
WHILE(true)...[p1 = 0 p2 = 0]
State 2 :
WHILE(true)...[p1 = 0 p2 = 0]
State 3 :
p2 := wait OR p1 := wait[p1 = 0 p2 = 0]
State 4 :
WHILE(true)...[p1 = 1 p2 = 0]
State 5 :
p2 := wait OR p1 := crit[p1 = 1 p2 = 0]
State 6 :
WHILE(true)...[p1 = 2 p2 = 0]
Maude> 
```