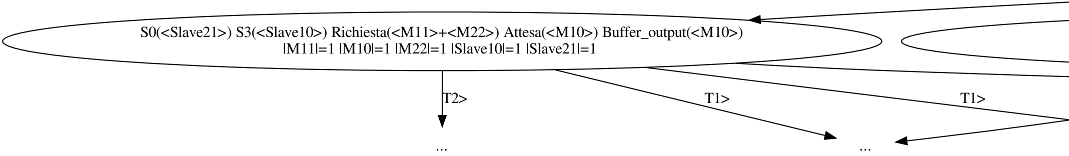
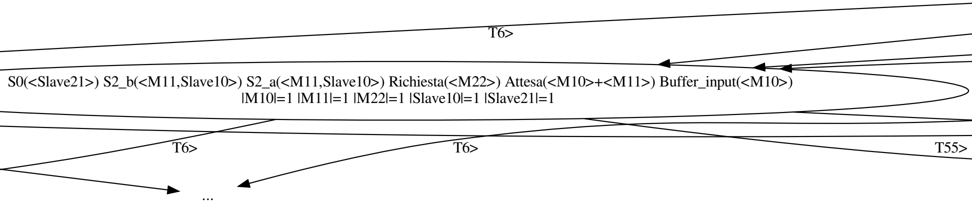
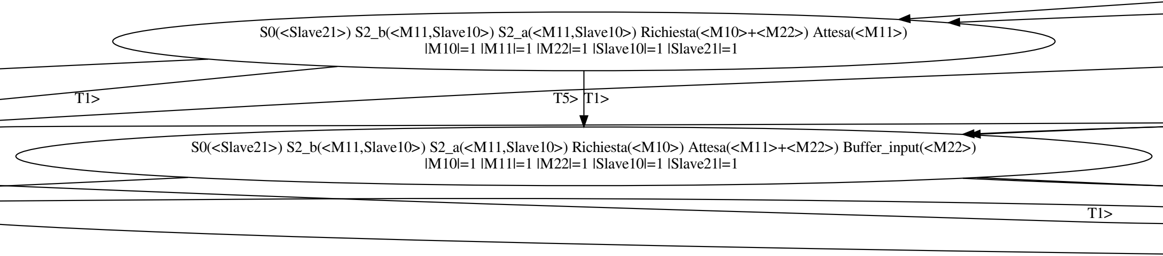
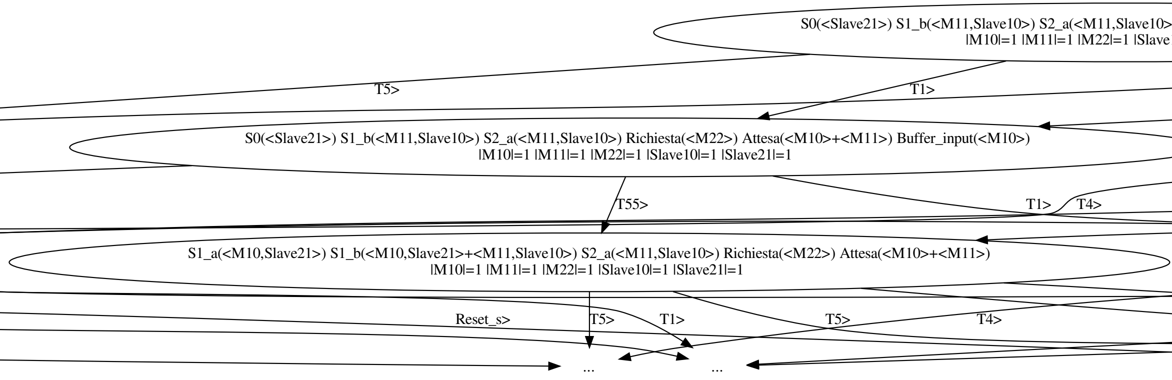
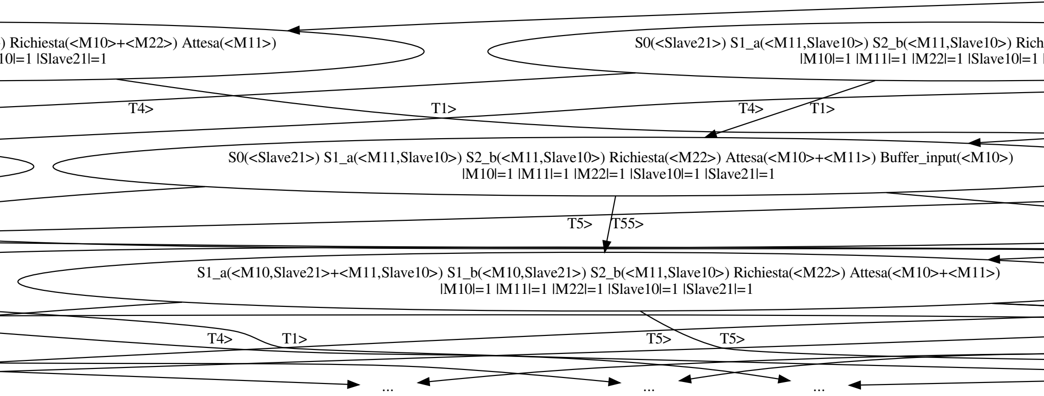
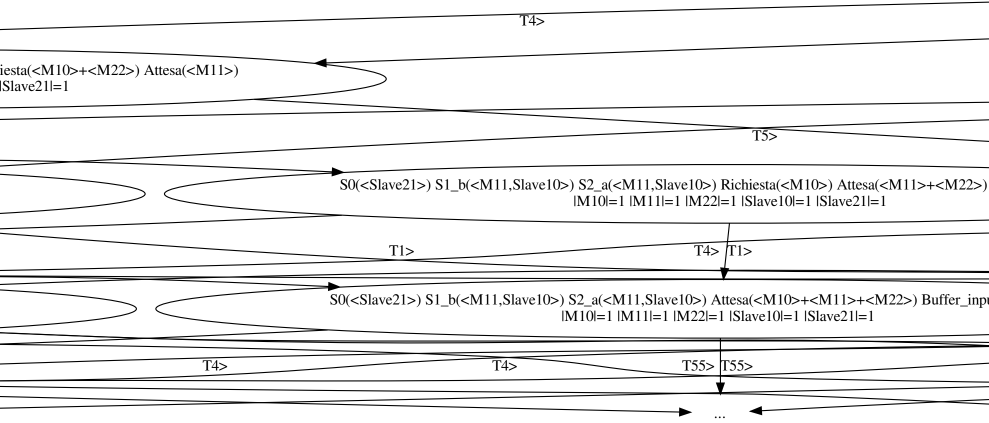

S0(<Slave21>) S3(<Slave10>) Richiesta(<M11>+<M22>) Attesa(<M10>) Buffer_output(<M10>)
|M11|=1 |M10|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T2>
T1>
T1>
...
...

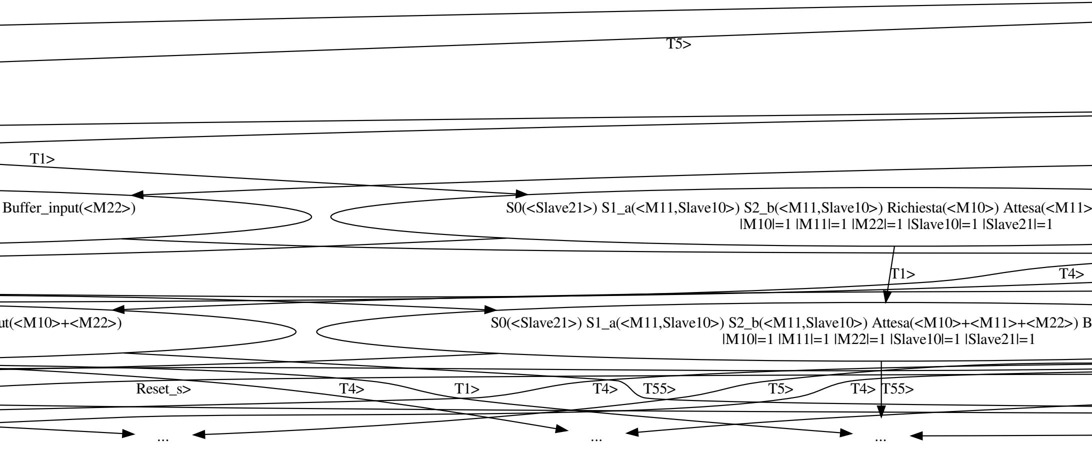

T6>
S0(<Slave21>) S2_b(<M11,Slave10>) S2_a(<M11,Slave10>) Richiesta(<M22>) Attesa(<M10>+<M11>) Buffer_input(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T6>
T6>
T55>
...

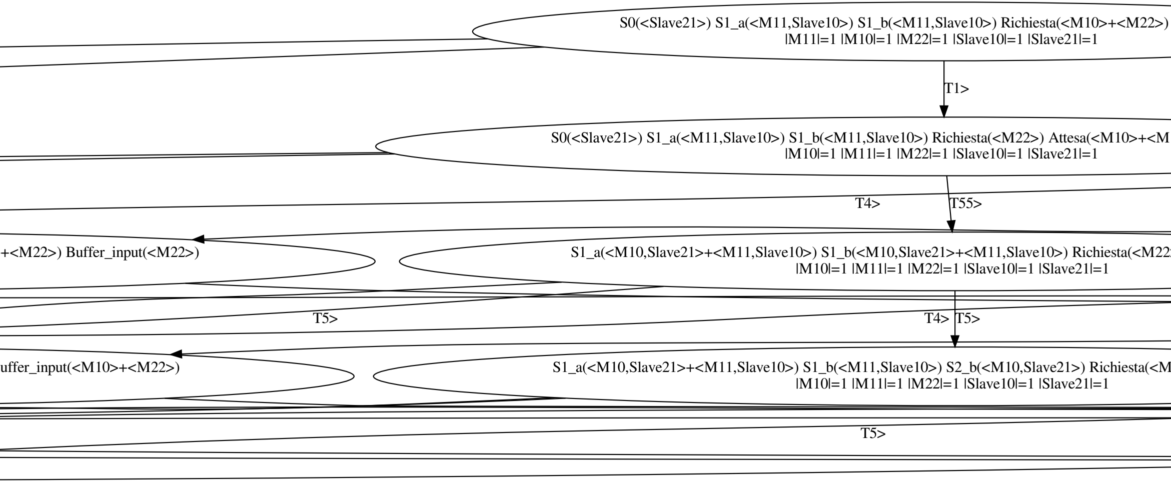

S0(<Slave21>) S2_b(<M11,Slave10>) S2_a(<M11,Slave10>) Richiesta(<M10>+<M22>) Attesa(<M11>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
T5>
T1>
S0(<Slave21>) S2_b(<M11,Slave10>) S2_a(<M11,Slave10>) Richiesta(<M10>) Attesa(<M11>+<M22>) Buffer_input(<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T1>

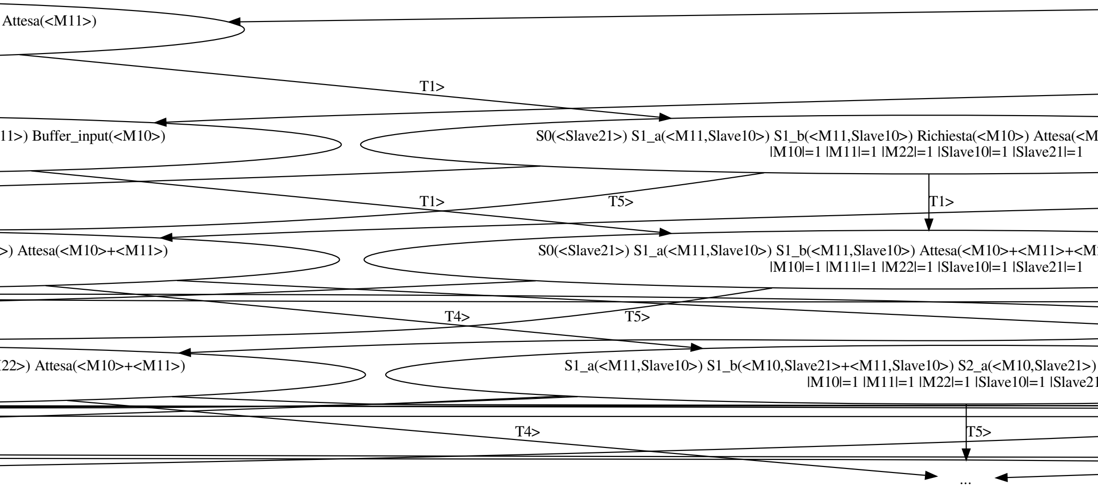

S0(<Slave21>) S1_b(<M11,Slave10>) S2_a(<M11,Slave10>
|M10|=1 |M11|=1 |M22|=1 |Slave
T5>
T1>
S0(<Slave21>) S1_b(<M11,Slave10>) S2_a(<M11,Slave10>) Richiesta(<M22>) Attesa(<M10>+<M11>) Buffer_input(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T55>
T1>
T4>
S1_a(<M10,Slave21>) S1_b(<M10,Slave21>+<M11,Slave10>) S2_a(<M11,Slave10>) Richiesta(<M22>) Attesa(<M10>+<M11>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
Reset_s>
T5>
T1>
T5>
T4>
...
...

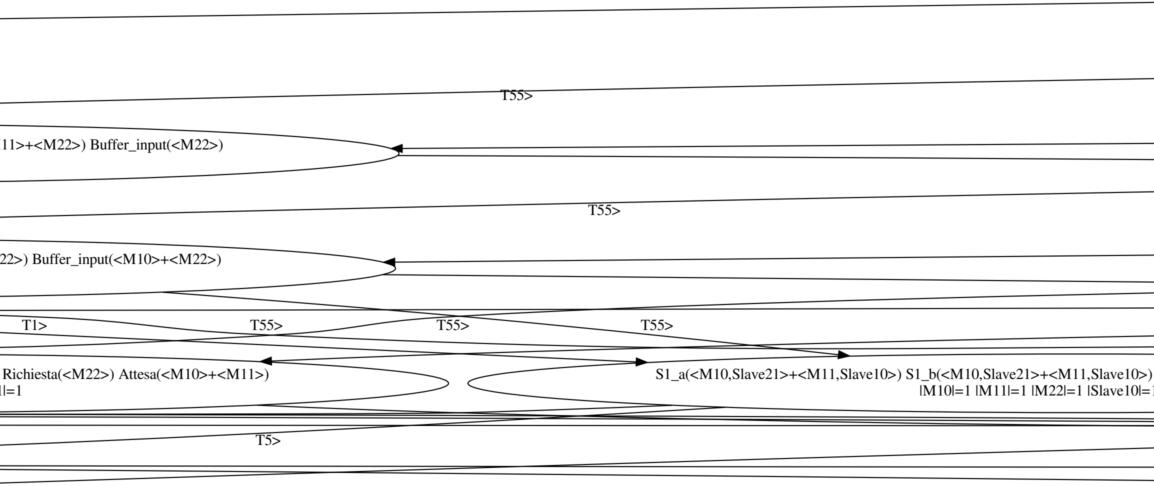

) Richiesta(<M10>+<M22>) Attesa(<M11>)
10|=1 |Slave21|=1
S0(<Slave21>) S1_a(<M11,Slave10>) S2_b(<M11,Slave10>) Rich
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |
T4>
T1>
T4>
T1>
S0(<Slave21>) S1_a(<M11,Slave10>) S2_b(<M11,Slave10>) Richiesta(<M22>) Attesa(<M10>+<M11>) Buffer_input(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T5>
T55>
S1_a(<M10,Slave21>+<M11,Slave10>) S1_b(<M10,Slave21>) S2_b(<M11,Slave10>) Richiesta(<M22>) Attesa(<M10>+<M11>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T4>
T1>
T5>
T5>
...
...
...

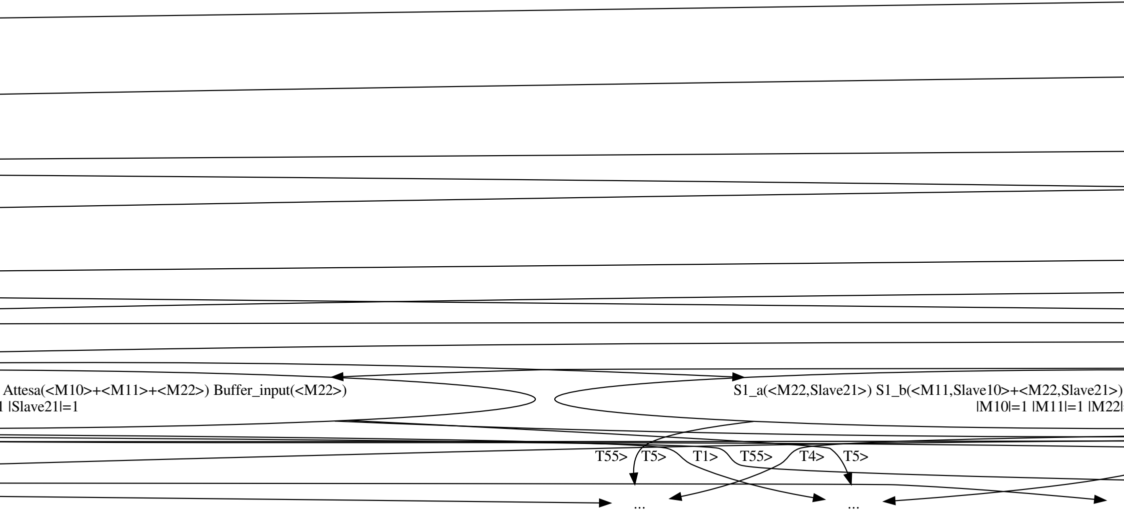

T4>
iesta(<M10>+<M22>) Attesa(<M11>)
|Slave21|=1
T5>
S0(<Slave21>) S1_b(<M11,Slave10>) S2_a(<M11,Slave10>) Richiesta(<M10>) Attesa(<M11>+<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
T4>
T1>
S0(<Slave21>) S1_b(<M11,Slave10>) S2_a(<M11,Slave10>) Attesa(<M10>+<M11>+<M22>) Buffer_inpu
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T4>
T4>
T55>
T55>
...

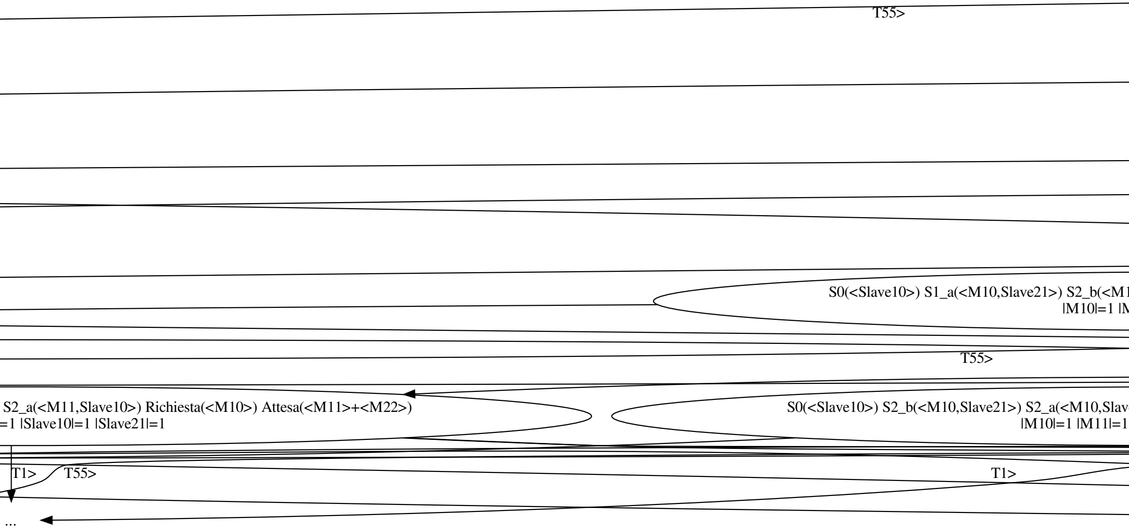

T5>
T1>
Buffer_input(<M22>)
S0(<Slave21>) S1_a(<M11,Slave10>) S2_b(<M11,Slave10>) Richiesta(<M10>) Attesa(<M11>
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
T4>
ut(<M10>+<M22>)
S0(<Slave21>) S1_a(<M11,Slave10>) S2_b(<M11,Slave10>) Attesa(<M10>+<M11>+<M22>) B
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
Reset_s>
T4>
T1>
T4>
T55>
T5>
T4>
T55>
...
...
...

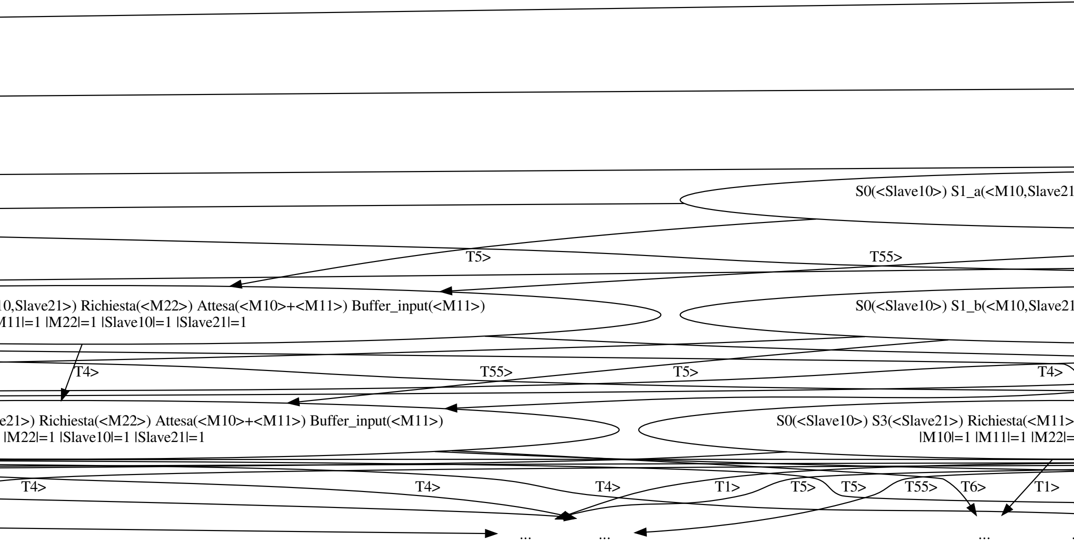

S0(<Slave21>) S1_a(<M11,Slave10>) S1_b(<M11,Slave10>) Richiesta(<M10>+<M22>)
|M11|=1 |M10|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
S0(<Slave21>) S1_a(<M11,Slave10>) S1_b(<M11,Slave10>) Richiesta(<M22>) Attesa(<M10>+<M
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T4>
T55>
+<M22>) Buffer_input(<M22>)
S1_a(<M10,Slave21>+<M11,Slave10>) S1_b(<M10,Slave21>+<M11,Slave10>) Richiesta(<M22
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T5>
T4>
T5>
uffer_input(<M10>+<M22>)
S1_a(<M10,Slave21>+<M11,Slave10>) S1_b(<M11,Slave10>) S2_b(<M10,Slave21>) Richiesta(<M
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T5>

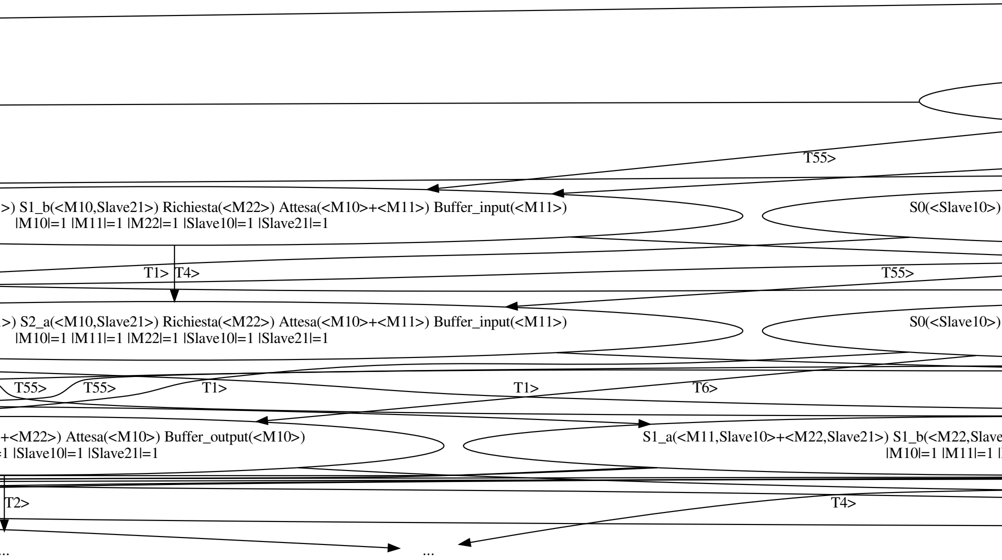

Attesa(<M11>)
T1>
11>) Buffer_input(<M10>)
S0(<Slave21>) S1_a(<M11,Slave10>) S1_b(<M11,Slave10>) Richiesta(<M10>) Attesa(<M
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
T5>
T1>
>) Attesa(<M10>+<M11>)
S0(<Slave21>) S1_a(<M11,Slave10>) S1_b(<M11,Slave10>) Attesa(<M10>+<M11>+<M
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T4>
T5>
22>) Attesa(<M10>+<M11>)
S1_a(<M11,Slave10>) S1_b(<M10,Slave21>+<M11,Slave10>) S2_a(<M10,Slave21>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21
T4>
T5>
...


T55>
11>+<M22>) Buffer_input(<M22>)
T55>
22>) Buffer_input(<M10>+<M22>)
T1>
T55>
T55>
T55>
Richiesta(<M22>) Attesa(<M10>+<M11>)
|=1
S1_a(<M10,Slave21>+<M11,Slave10>) S1_b(<M10,Slave21>+<M11,Slave10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=
T5>

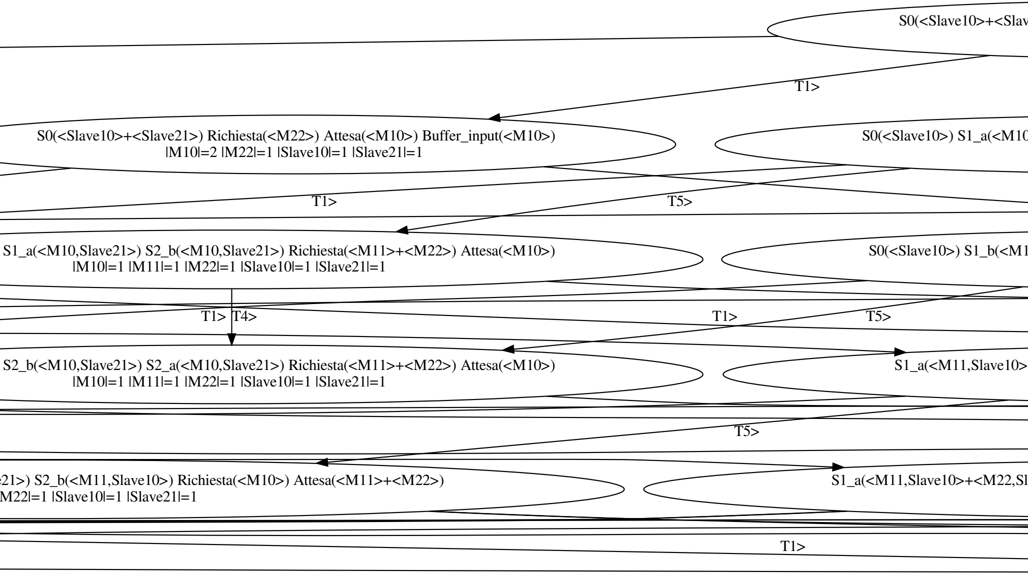

Attesa(<M10>+<M11>+<M22>) Buffer_input(<M22>)
1 |Slave21|=1
S1_a(<M22,Slave21>) S1_b(<M11,Slave10>+<M22,Slave21>)
|M10|=1 |M11|=1 |M22|
T55>
T5>
T1>
T55>
T4>
T5>
...
...

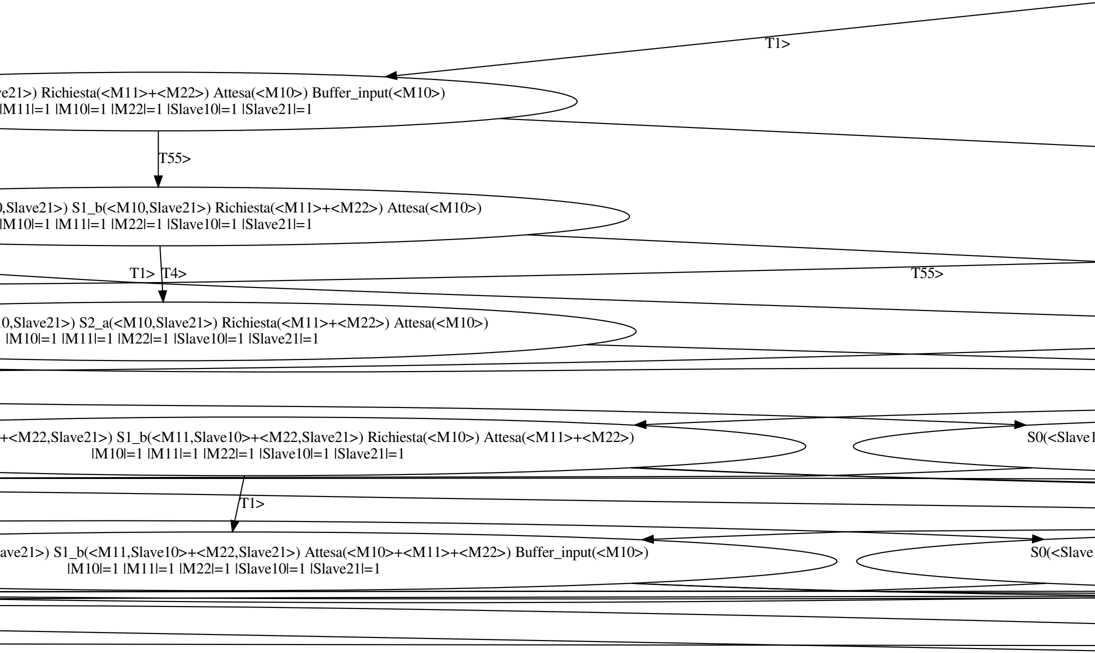

T55>
S0(<Slave10>) S1_a(<M10,Slave21>) S2_b(<M1
|M10|=1 |M
T55>
S2_a(<M11,Slave10>) Richiesta(<M10>) Attesa(<M11>+<M22>)
=1 |Slave10|=1 |Slave21|=1
S0(<Slave10>) S2_b(<M10,Slave21>) S2_a(<M10,Slave
|M10|=1 |M11|=1
T1>
T55>
T1>
...

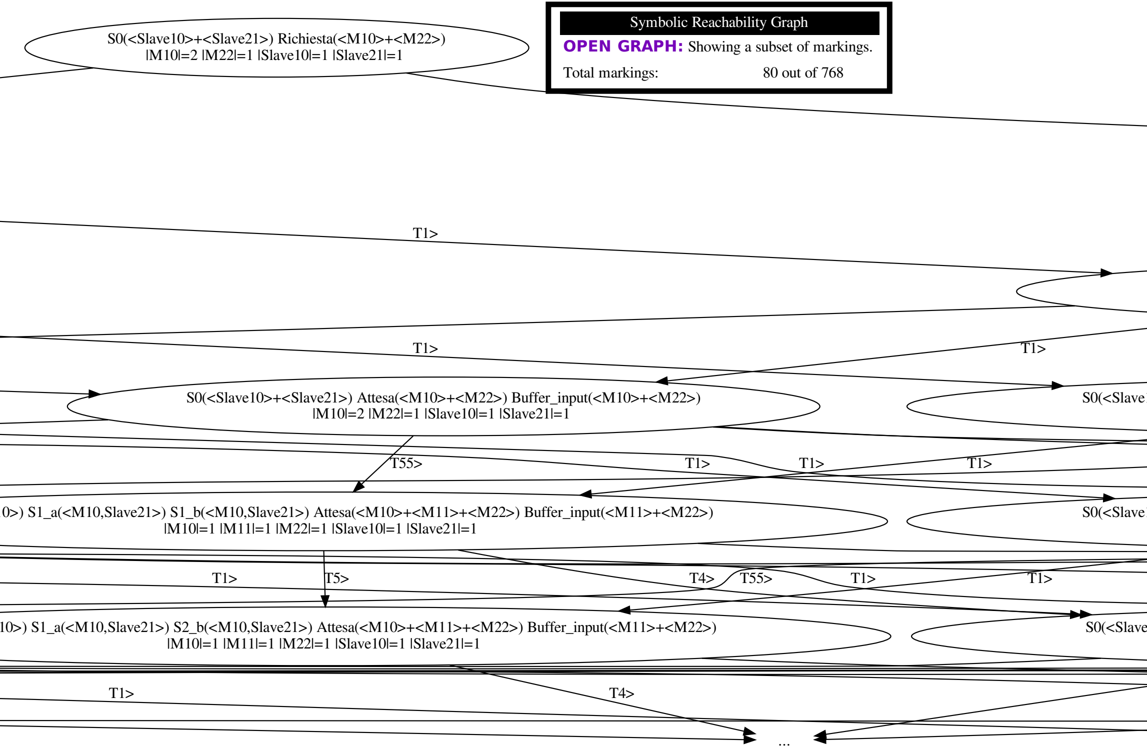

S0(<Slave10>) S1_a(<M10,Slave21
T5>
T55>
10,Slave21>) Richiesta(<M22>) Attesa(<M10>+<M11>) Buffer_input(<M11>)
M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave10>) S1_b(<M10,Slave21
T4>
T55>
T5>
T4>
e21>) Richiesta(<M22>) Attesa(<M10>+<M11>) Buffer_input(<M11>)
|M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave10>) S3(<Slave21>) Richiesta(<M11>
|M10|=1 |M11|=1 |M22|=
T4>
T4>
T4>
T1>
T5>
T5>
T55>
T6>
T1>
...
...
...

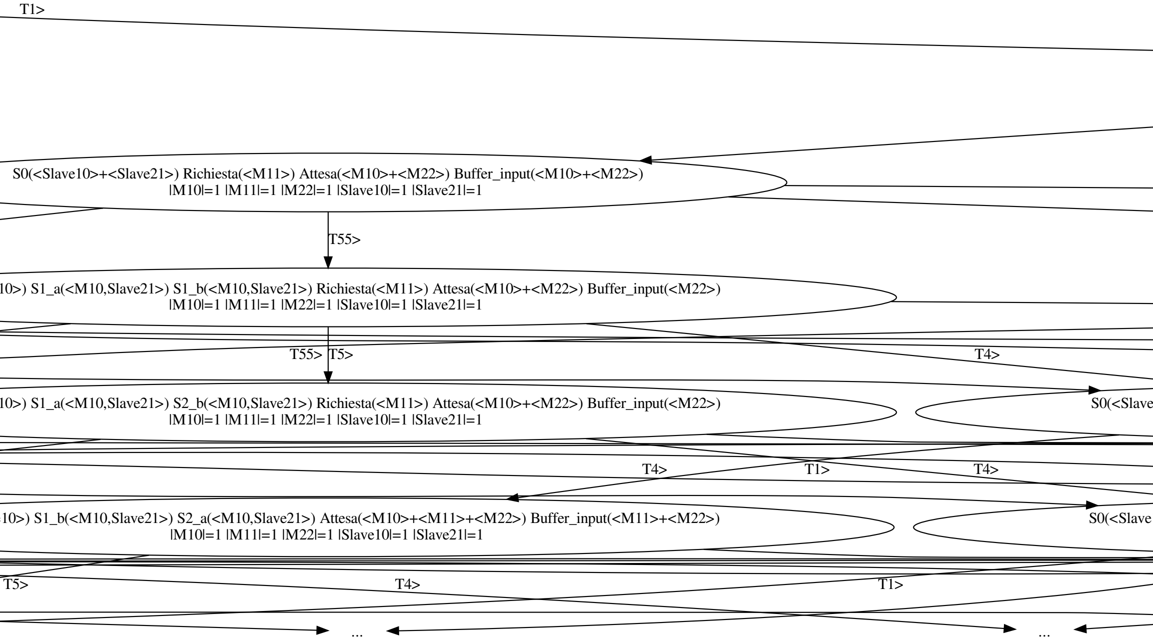


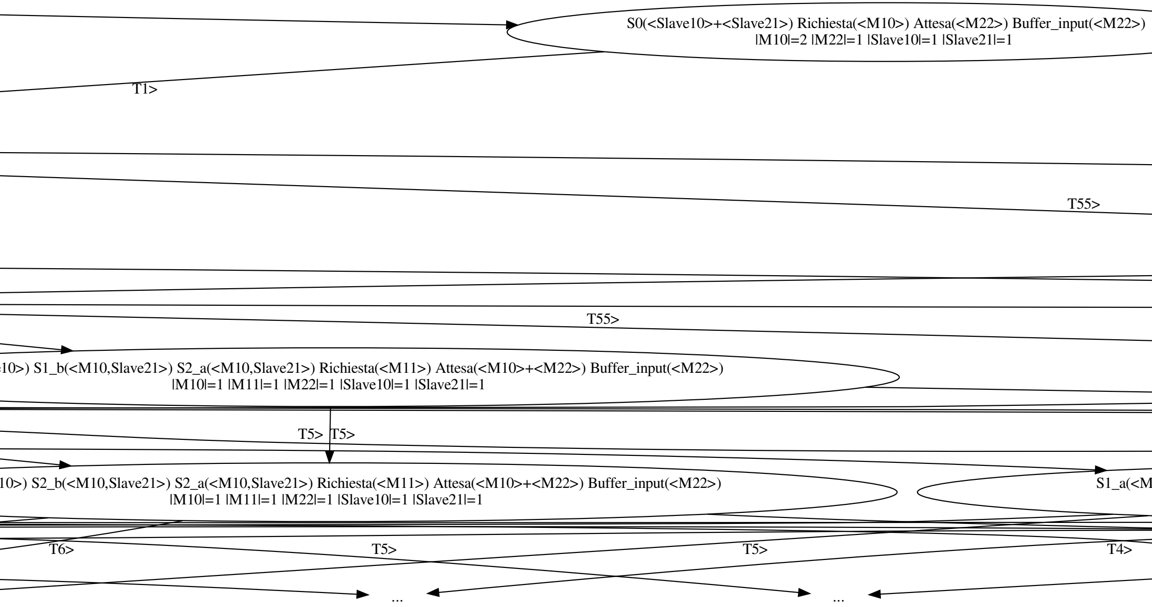
T55>
>) S1_b(<M10,Slave21>) Richiesta(<M22>) Attesa(<M10>+<M11>) Buffer_input(<M11>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave10>)
T1>
T4>
T55>
1>) S2_a(<M10,Slave21>) Richiesta(<M22>) Attesa(<M10>+<M11>) Buffer_input(<M11>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave10>)
T55>
T55>
T1>
T1>
T6>
+<M22>) Attesa(<M10>) Buffer_output(<M10>)
=1 |Slave10|=1 |Slave21|=1
S1_a(<M11,Slave10>+<M22,Slave21>) S1_b(<M22,Slave
|M10|=1 |M11|=1 |
T2>
T4>
...
...

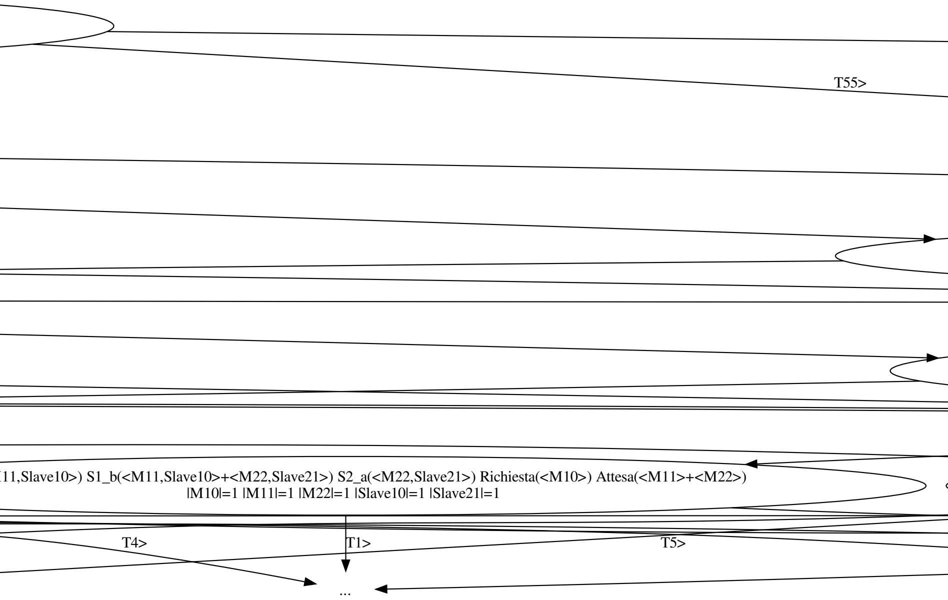

S0(<Slave10>+<Slav
T1>
S0(<Slave10>+<Slave21>) Richiesta(<M22>) Attesa(<M10>) Buffer_input(<M10>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave10>) S1_a(<M10
T1>
T5>
S1_a(<M10,Slave21>) S2_b(<M10,Slave21>) Richiesta(<M11>+<M22>) Attesa(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave10>) S1_b(<M1
T1>
T4>
T1>
T5>
S2_b(<M10,Slave21>) S2_a(<M10,Slave21>) Richiesta(<M11>+<M22>) Attesa(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
S1_a(<M11,Slave10>
T5>
e21>) S2_b(<M11,Slave10>) Richiesta(<M10>) Attesa(<M11>+<M22>)
M22|=1 |Slave10|=1 |Slave21|=1
S1_a(<M11,Slave10>+<M22,Sl
T1>

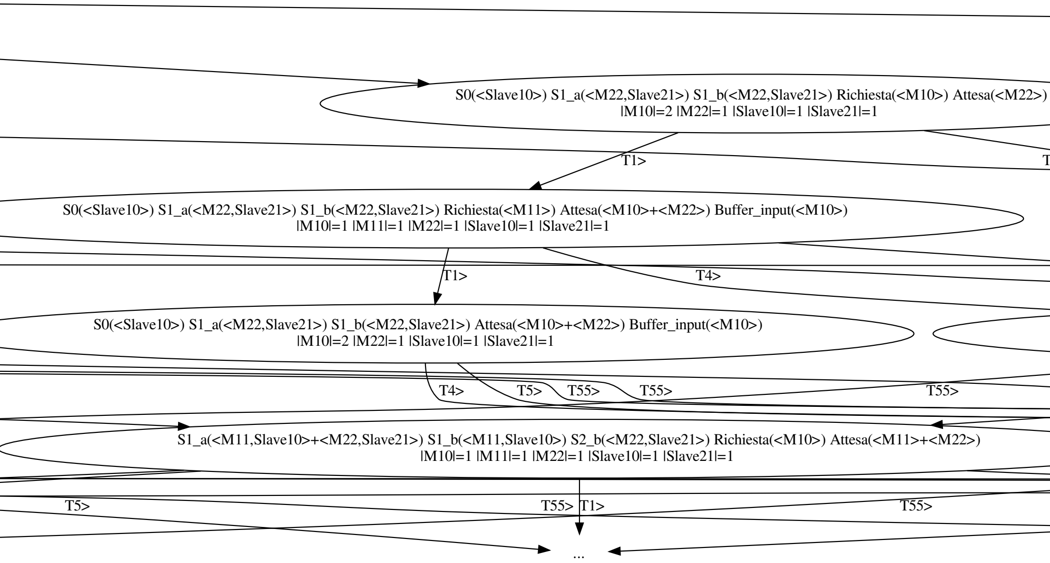

T1>
ve21>) Richiesta(<M11>+<M22>) Attesa(<M10>) Buffer_input(<M10>)
|M11|=1 |M10|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T55>
0,Slave21>) S1_b(<M10,Slave21>) Richiesta(<M11>+<M22>) Attesa(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
T4>
T55>
10,Slave21>) S2_a(<M10,Slave21>) Richiesta(<M11>+<M22>) Attesa(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
+<M22,Slave21>) S1_b(<M11,Slave10>+<M22,Slave21>) Richiesta(<M10>) Attesa(<M11>+<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave1
T1>
ave21>) S1_b(<M11,Slave10>+<M22,Slave21>) Attesa(<M10>+<M11>+<M22>) Buffer_input(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave

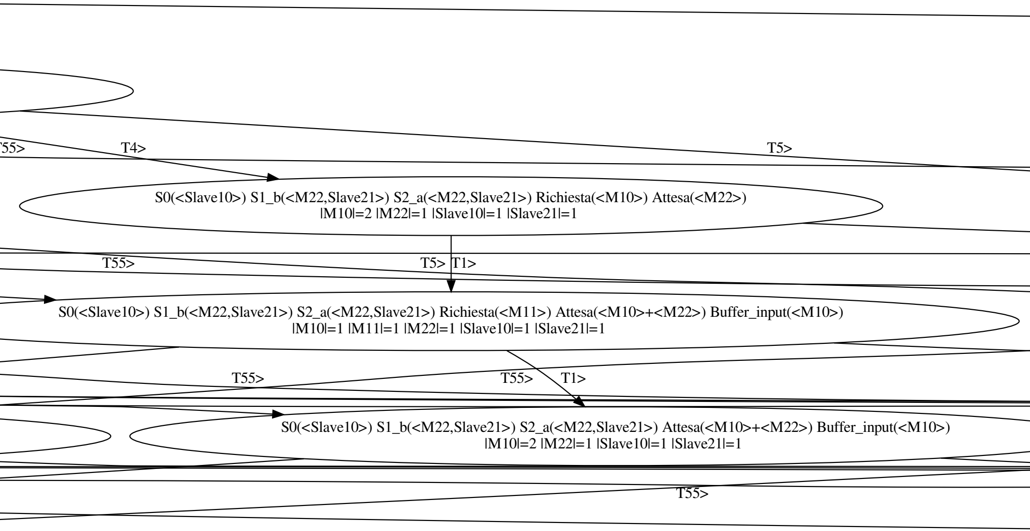

Symbolic Reachability Graph
OPEN GRAPH: Showing a subset of markings.
Total markings: 80 out of 768
S0(<Slave10>+<Slave21>) Richiesta(<M10>+<M22>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
T1>
T1>
S0(<Slave10>+<Slave21>) Attesa(<M10>+<M22>) Buffer_input(<M10>+<M22>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave
T55>
T1>
T1>
T1>
0>) S1_a(<M10,Slave21>) S1_b(<M10,Slave21>) Attesa(<M10>+<M11>+<M22>) Buffer_input(<M11>+<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave
T1>
T5>
T4>
T55>
T1>
T1>
10>) S1_a(<M10,Slave21>) S2_b(<M10,Slave21>) Attesa(<M10>+<M11>+<M22>) Buffer_input(<M11>+<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave
T1>
T4>
...

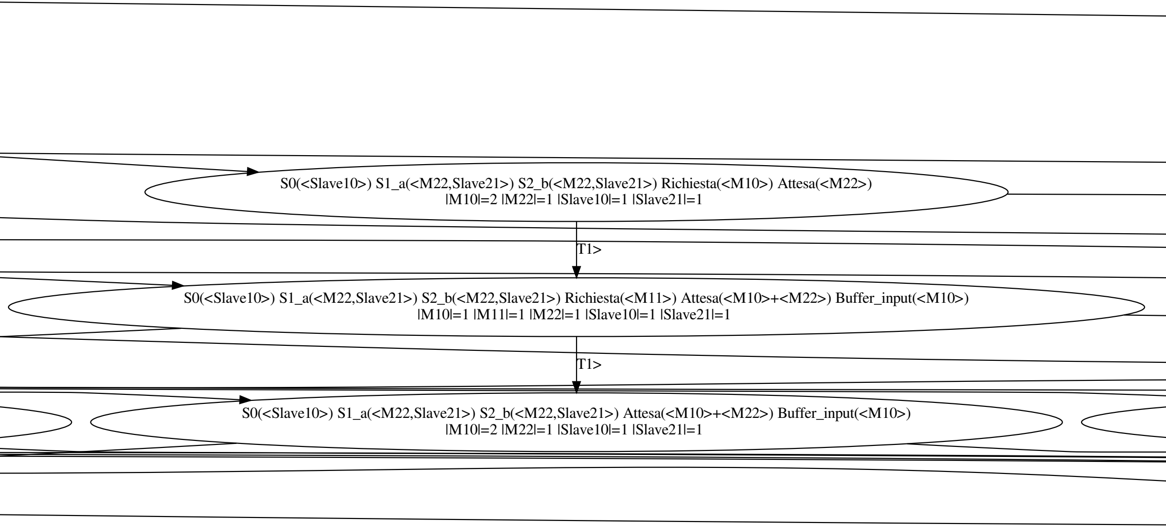

T1>
S0(<Slave10>+<Slave21>) Richiesta(<M11>) Attesa(<M10>+<M22>) Buffer_input(<M10>+<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T55>
10>) S1_a(<M10,Slave21>) S1_b(<M10,Slave21>) Richiesta(<M11>) Attesa(<M10>+<M22>) Buffer_input(<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T55>
T5>
T4>
10>) S1_a(<M10,Slave21>) S2_b(<M10,Slave21>) Richiesta(<M11>) Attesa(<M10>+<M22>) Buffer_input(<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave
T4>
T1>
T4>
10>) S1_b(<M10,Slave21>) S2_a(<M10,Slave21>) Attesa(<M10>+<M11>+<M22>) Buffer_input(<M11>+<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave
T5>
T4>
T1>
...
...

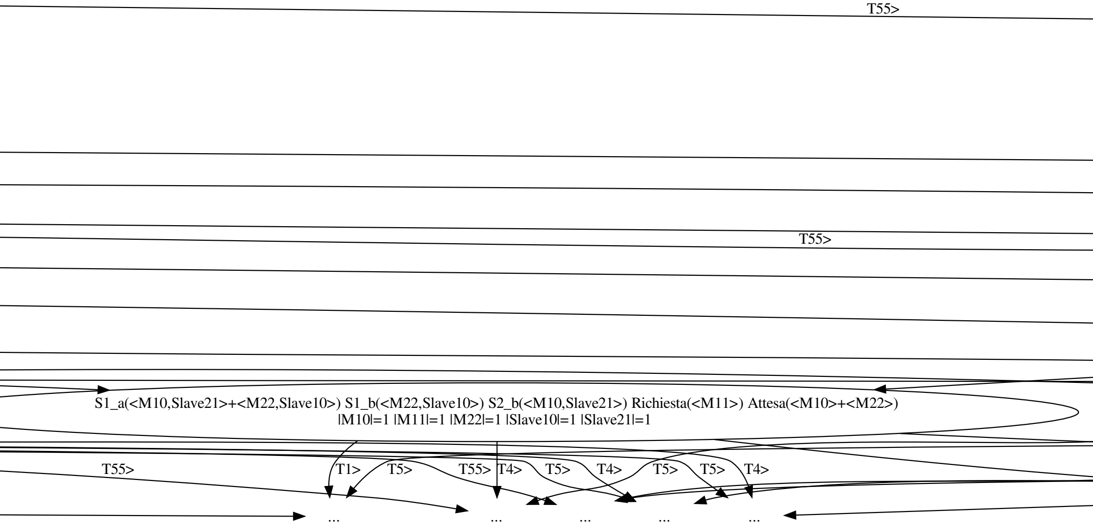

S0(<Slave10>+<Slave21>) Richiesta(<M10>) Attesa(<M22>) Buffer_input(<M22>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
T55>
T55>
10>) S1_b(<M10,Slave21>) S2_a(<M10,Slave21>) Richiesta(<M11>) Attesa(<M10>+<M22>) Buffer_input(<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T5>
T5>
10>) S2_b(<M10,Slave21>) S2_a(<M10,Slave21>) Richiesta(<M11>) Attesa(<M10>+<M22>) Buffer_input(<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
S1_a(<M
T6>
T5>
T5>
T4>
...
...

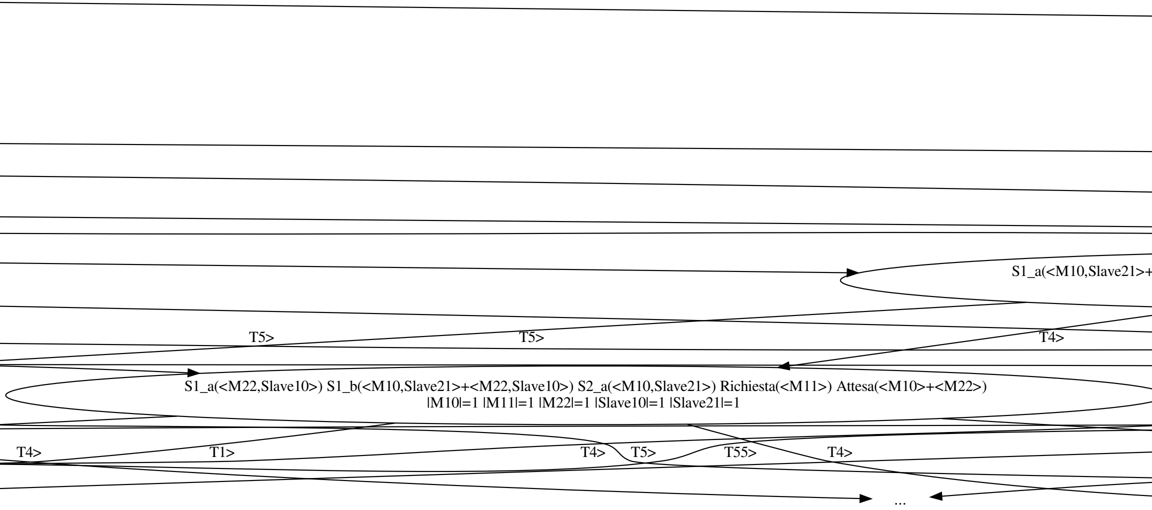

T55>
11,Slave10>) S1_b(<M11,Slave10>+<M22,Slave21>) S2_a(<M22,Slave21>) Richiesta(<M10>) Attesa(<M11>+<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T4>
T1>
T5>
...

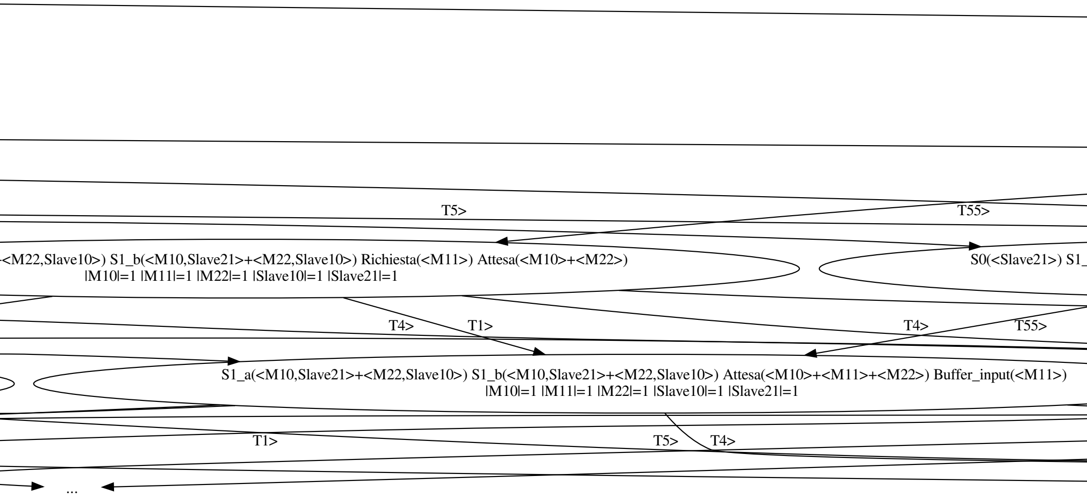

S0(<Slave10>) S1_a(<M22,Slave21>) S1_b(<M22,Slave21>) Richiesta(<M10>) Attesa(<M22>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
S0(<Slave10>) S1_a(<M22,Slave21>) S1_b(<M22,Slave21>) Richiesta(<M11>) Attesa(<M10>+<M22>) Buffer_input(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
T4>
S0(<Slave10>) S1_a(<M22,Slave21>) S1_b(<M22,Slave21>) Attesa(<M10>+<M22>) Buffer_input(<M10>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T4>
T5>
T55>
T55>
T55>
S1_a(<M11,Slave10>+<M22,Slave21>) S1_b(<M11,Slave10>) S2_b(<M22,Slave21>) Richiesta(<M10>) Attesa(<M11>+<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T5>
T55>
T1>
T55>
...

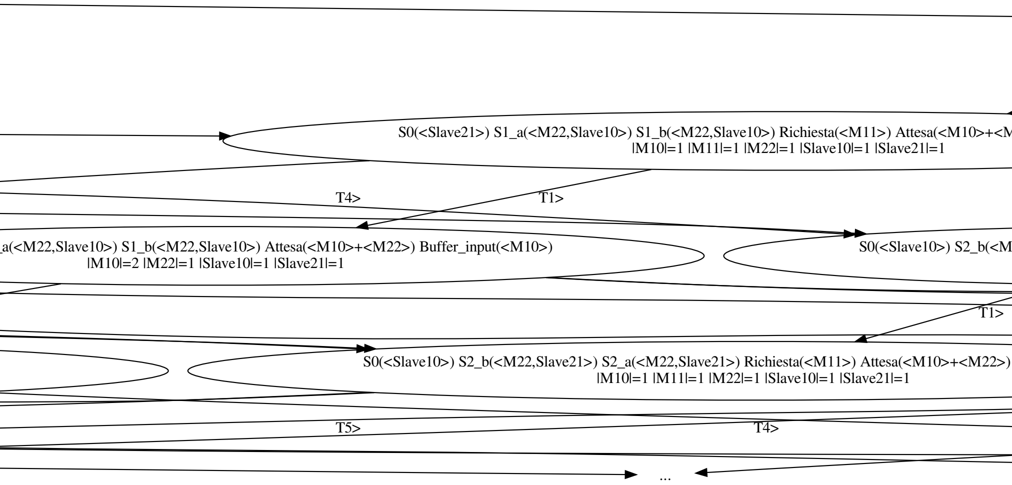

T55>
T4>
T5>
S0(<Slave10>) S1_b(<M22,Slave21>) S2_a(<M22,Slave21>) Richiesta(<M10>) Attesa(<M22>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T55>
T5>
T1>
S0(<Slave10>) S1_b(<M22,Slave21>) S2_a(<M22,Slave21>) Richiesta(<M11>) Attesa(<M10>+<M22>) Buffer_input(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T55>
T55>
T1>
S0(<Slave10>) S1_b(<M22,Slave21>) S2_a(<M22,Slave21>) Attesa(<M10>+<M22>) Buffer_input(<M10>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T55>

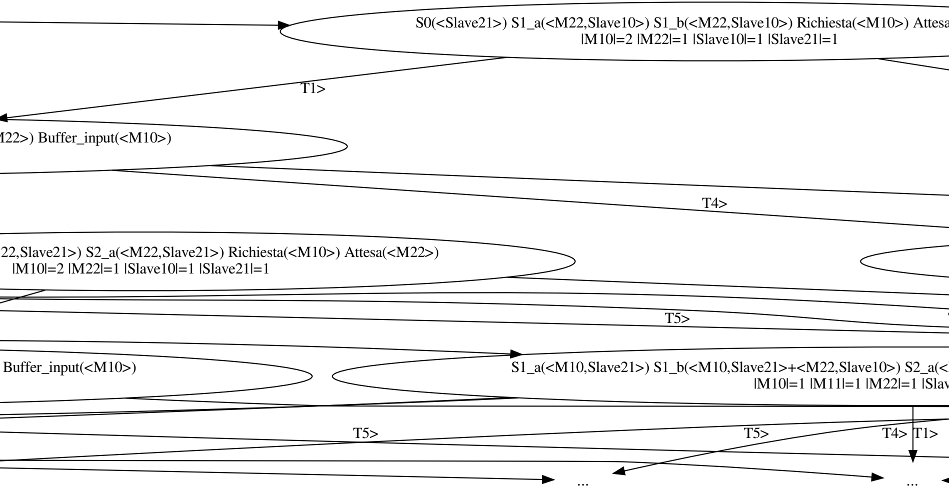

S0(<Slave10>) S1_a(<M22,Slave21>) S2_b(<M22,Slave21>) Richiesta(<M10>) Attesa(<M22>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
S0(<Slave10>) S1_a(<M22,Slave21>) S2_b(<M22,Slave21>) Richiesta(<M11>) Attesa(<M10>+<M22>) Buffer_input(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
S0(<Slave10>) S1_a(<M22,Slave21>) S2_b(<M22,Slave21>) Attesa(<M10>+<M22>) Buffer_input(<M10>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1

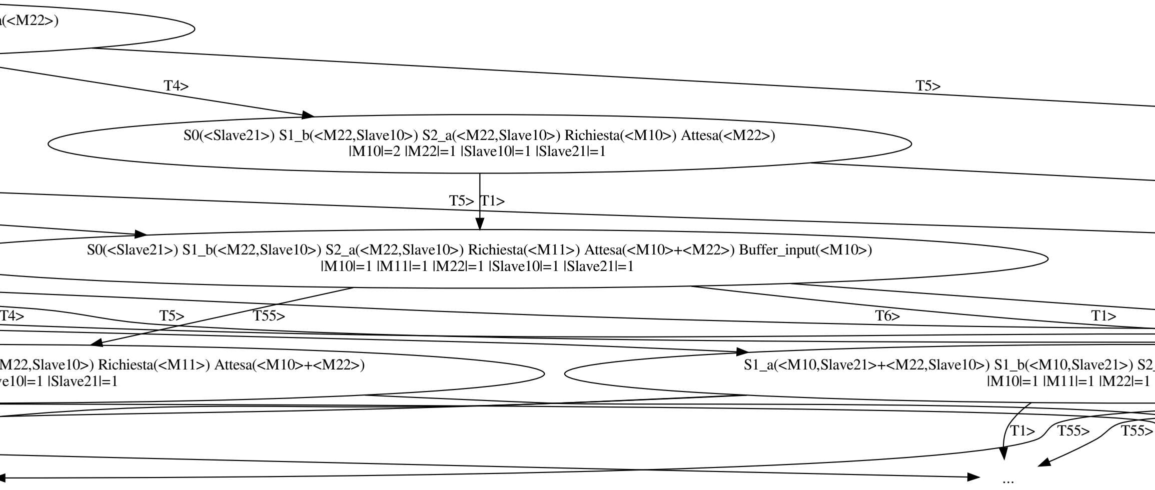

T55>
T55>
S1_a(<M10,Slave21>+<M22,Slave10>) S1_b(<M22,Slave10>) S2_b(<M10,Slave21>) Richiesta(<M11>) Attesa(<M10>+<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T55>
T1>
T5>
T55>
T4>
T5>
T4>
T5>
T5>
T4>
...
...
...
...
...

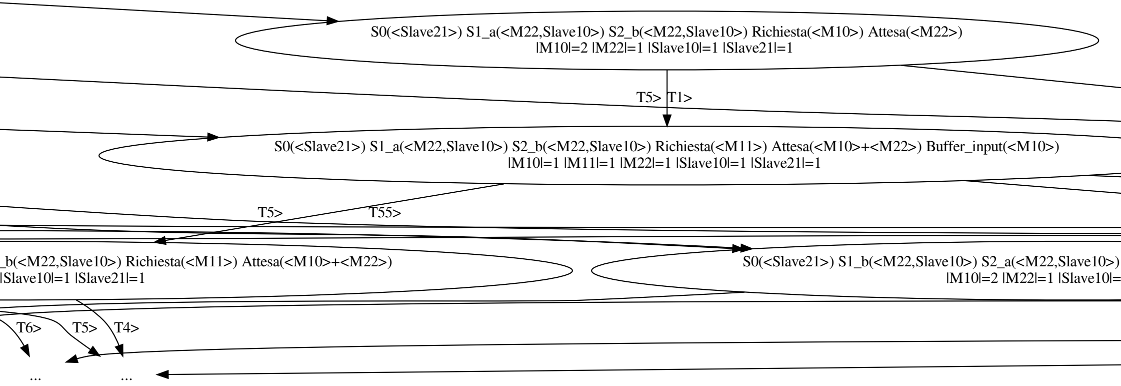

S1_a(<M10,Slave21>+
T5>
T5>
T4>
S1_a(<M22,Slave10>) S1_b(<M10,Slave21>+<M22,Slave10>) S2_a(<M10,Slave21>) Richiesta(<M11>) Attesa(<M10>+<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T4>
T1>
T4>
T5>
T55>
T4>
...

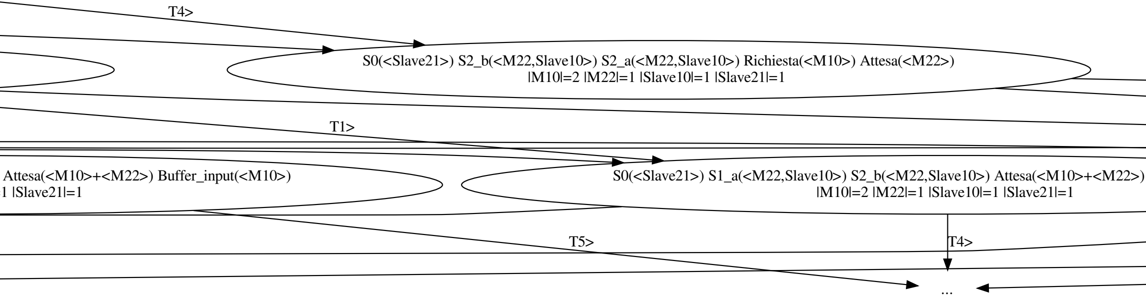

T5>
T55>
-<M22,Slave10>) S1_b(<M10,Slave21>+<M22,Slave10>) Richiesta(<M11>) Attesa(<M10>+<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave21>) S1_
T4>
T1>
T4>
T55>
S1_a(<M10,Slave21>+<M22,Slave10>) S1_b(<M10,Slave21>+<M22,Slave10>) Attesa(<M10>+<M11>+<M22>) Buffer_input(<M11>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
T5>
T4>
...

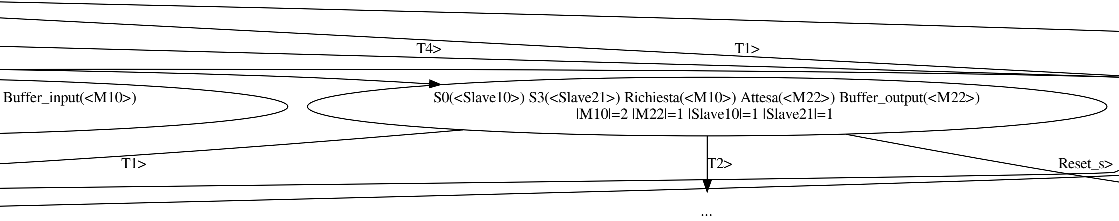

S0(<Slave21>) S1_a(<M22,Slave10>) S1_b(<M22,Slave10>) Richiesta(<M11>) Attesa(<M10>+<M
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T4>
T1>
_a(<M22,Slave10>) S1_b(<M22,Slave10>) Attesa(<M10>+<M22>) Buffer_input(<M10>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
S0(<Slave10>) S2_b(<M
T1>
S0(<Slave10>) S2_b(<M22,Slave21>) S2_a(<M22,Slave21>) Richiesta(<M11>) Attesa(<M10>+<M22>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T5>
T4>
...

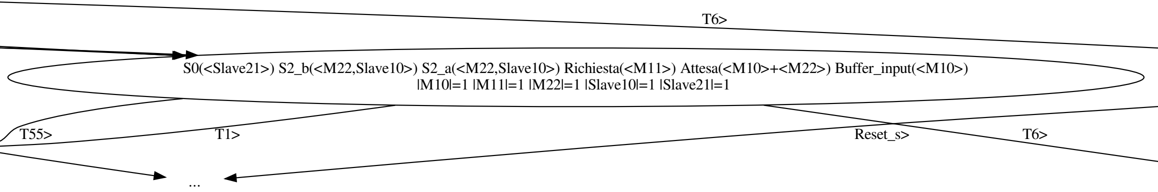

S0(<Slave21>) S1_a(<M22,Slave10>) S1_b(<M22,Slave10>) Richiesta(<M10>) Attesa
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
M22>) Buffer_input(<M10>)
T4>
22,Slave21>) S2_a(<M22,Slave21>) Richiesta(<M10>) Attesa(<M22>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T5>
Buffer_input(<M10>)
S1_a(<M10,Slave21>) S1_b(<M10,Slave21>+<M22,Slave10>) S2_a(<
|M10|=1 |M11|=1 |M22|=1 |Slav
T5>
T5>
T4>
T1>
...
...

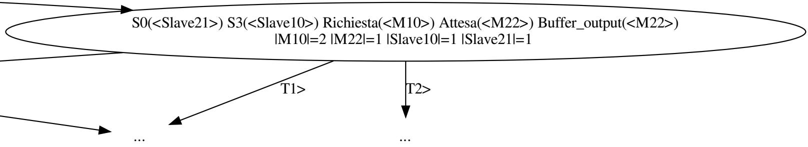

(<M22>)
T4>
T5>
S0(<Slave21>) S1_b(<M22,Slave10>) S2_a(<M22,Slave10>) Richiesta(<M10>) Attesa(<M22>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T5>
T1>
S0(<Slave21>) S1_b(<M22,Slave10>) S2_a(<M22,Slave10>) Richiesta(<M11>) Attesa(<M10>+<M22>) Buffer_input(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T4>
T5>
T55>
T6>
T1>
M22,Slave10>) Richiesta(<M11>) Attesa(<M10>+<M22>)
ve10|=1 |Slave21|=1
S1_a(<M10,Slave21>+<M22,Slave10>) S1_b(<M10,Slave21>) S2
|M10|=1 |M11|=1 |M22|=1
T1>
T55>
T55>
...


S0(<Slave21>) S1_a(<M22,Slave10>) S2_b(<M22,Slave10>) Richiesta(<M10>) Attesa(<M22>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T5> T1>
S0(<Slave21>) S1_a(<M22,Slave10>) S2_b(<M22,Slave10>) Richiesta(<M11>) Attesa(<M10>+<M22>) Buffer_input(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T5>
T55>
_b(<M22,Slave10>) Richiesta(<M11>) Attesa(<M10>+<M22>)
|Slave10|=1 |Slave21|=1
S0(<Slave21>) S1_b(<M22,Slave10>) S2_a(<M22,Slave10>)
|M10|=2 |M22|=1 |Slave10|=
T6>
T5>
T4>
...
...


T4>
S0(<Slave21>) S2_b(<M22,Slave10>) S2_a(<M22,Slave10>) Richiesta(<M10>) Attesa(<M22>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
Attesa(<M10>+<M22>) Buffer_input(<M10>)
1 |Slave21|=1
S0(<Slave21>) S1_a(<M22,Slave10>) S2_b(<M22,Slave10>) Attesa(<M10>+<M22>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T5>
T4>
...


T4>
T1>
Buffer_input(<M10>)
S0(<Slave10>) S3(<Slave21>) Richiesta(<M10>) Attesa(<M22>) Buffer_output(<M22>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
T2>
Reset_s>
...


T6>
S0(<Slave21>) S2_b(<M22,Slave10>) S2_a(<M22,Slave10>) Richiesta(<M11>) Attesa(<M10>+<M22>) Buffer_input(<M10>)
|M10|=1 |M11|=1 |M22|=1 |Slave10|=1 |Slave21|=1
T55>
T1>
Reset_s>
T6>
...


S0(<Slave21>) S3(<Slave10>) Richiesta(<M10>) Attesa(<M22>) Buffer_output(<M22>)
|M10|=2 |M22|=1 |Slave10|=1 |Slave21|=1
T1>
T2>
...
...