Version 1 algorithm (no highZ or conflict states)

5 (wire off, detected error, update removed)

6 (wire on, start at beginning and go to gate)

10 (wire on, update removed, trace complete)

1 (gate off, update removed)

9 (wire on, update set)

8 (junction on)

7 (wire on)

4 (wire off, update set)

2 (wire off)

3 (junction off)