2= 20,13 L= { W 6 2 * | # of 1's in Wiseren }

The "obvious" algorithm: first count the 1's, then decide whether the count is even:



It works, but is not a finite state machine. This is:

Formal definition:

machin A finite s $M = (Q, Z, S, g_{0}, F)$ where Qis, set (stats) 8. EQ start chate Z ig afourte set (alphabet) FSQ Final states A capting Etate SIQXZ 2 Q trans. Fun

Formal version of the above example (done 2 different ways):

Another example:

