# Introduction To Automata Theory Languages And Computation John E Hopcroft

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There is a small matter, however, that this automaton accepts strings with leading 0's. Since the problem calls for accepting only those strings that begin with 1, we need an additional state s, the

start state, and an additional ``dead state'' d.lf, in state s, we see a 1 first, we act like q0; i.e., we go to state q1. However, if the first input is 0, we should never accept, so we go to state ...

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#### Automata theory - Wikipedia

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