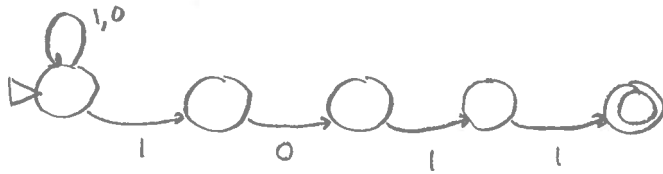
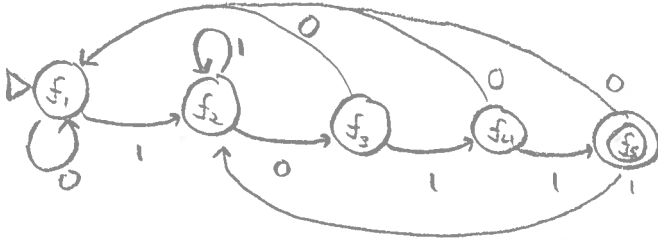


1.



2.



f_1	1	f_2
f_1	0	f_1
f_2	1	f_2
f_2	0	f_3
f_3	1	f_4
f_3	0	f_1
f_4	1	f_5
f_4	0	f_1
f_5	1	f_2
f_5	0	f_1

3. All possible information can be expressed in binary; more symbols may reduce "steps to result" but do not strictly speaking make the machine more powerful.

5. Check!

6. 0^*10^*

(note that this will match multiple strings on a line in "real" use - I'm assuming one input at a time)