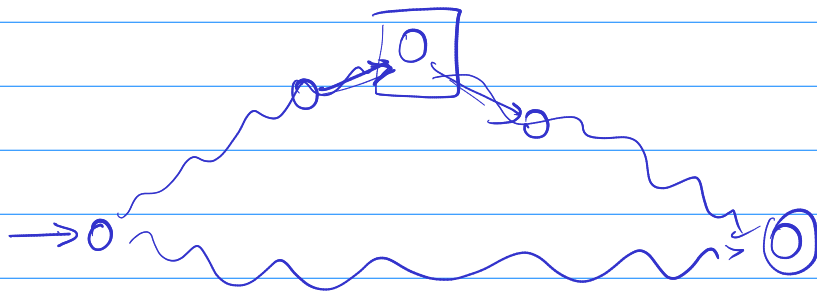
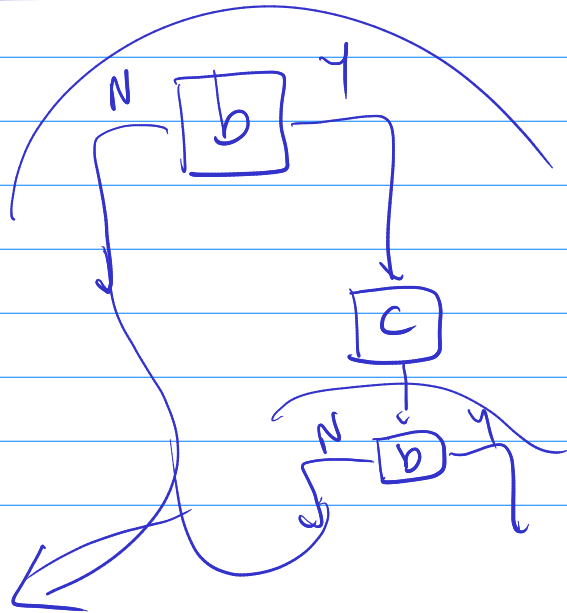


Theorem : Regex  $\iff$  Finite automaton



while b do  
c

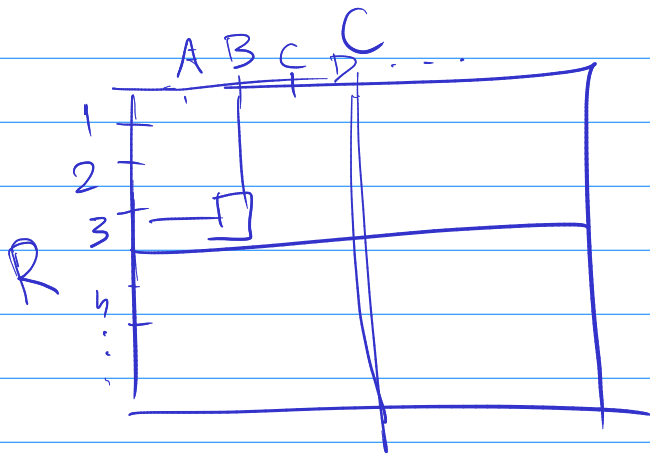


## Unit 3: Programming with relations

Spreadsheets	SQL	Graph query languages	Datalog
Excel	Relational algebra	Cypher	Prolog
Pandas CSV			



	1	2	3	4	5	6	7	...
1	(1,1)	12	13	14				
2	21	22	23	24				
3	31	32	33	34				
4	41	42	43	44				



C

