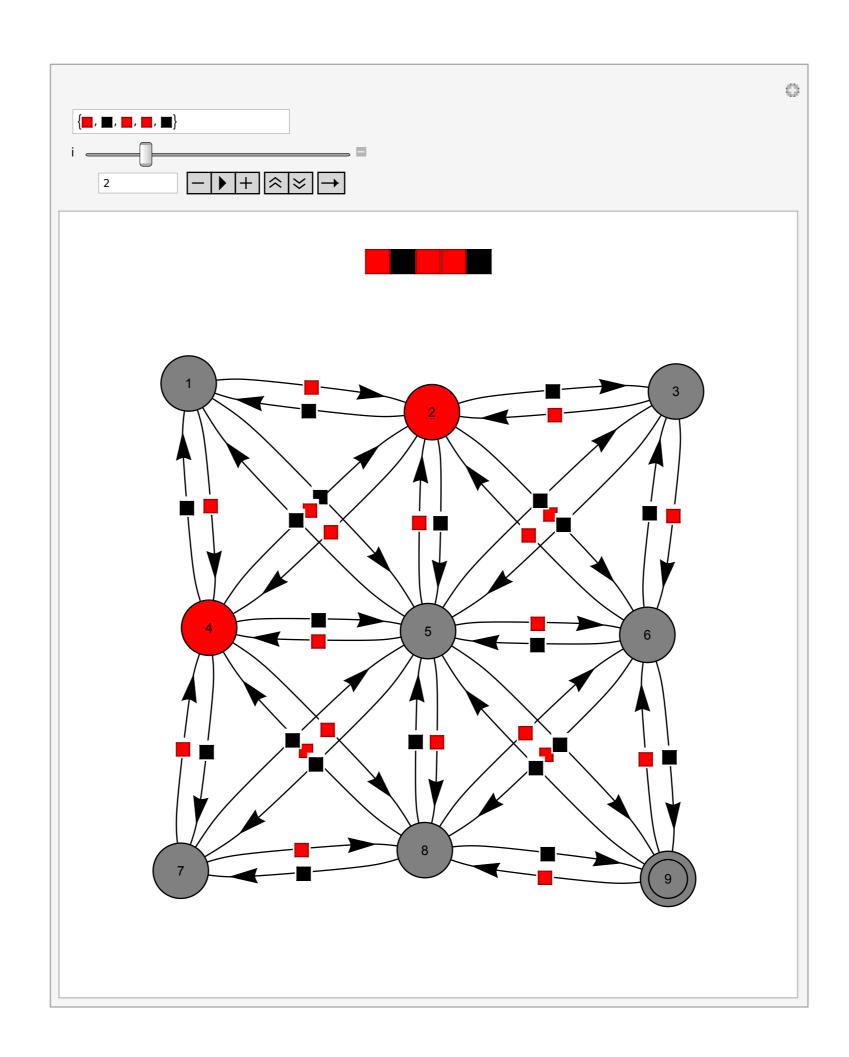
Slide 1 of 13

Operations of Finite Automata

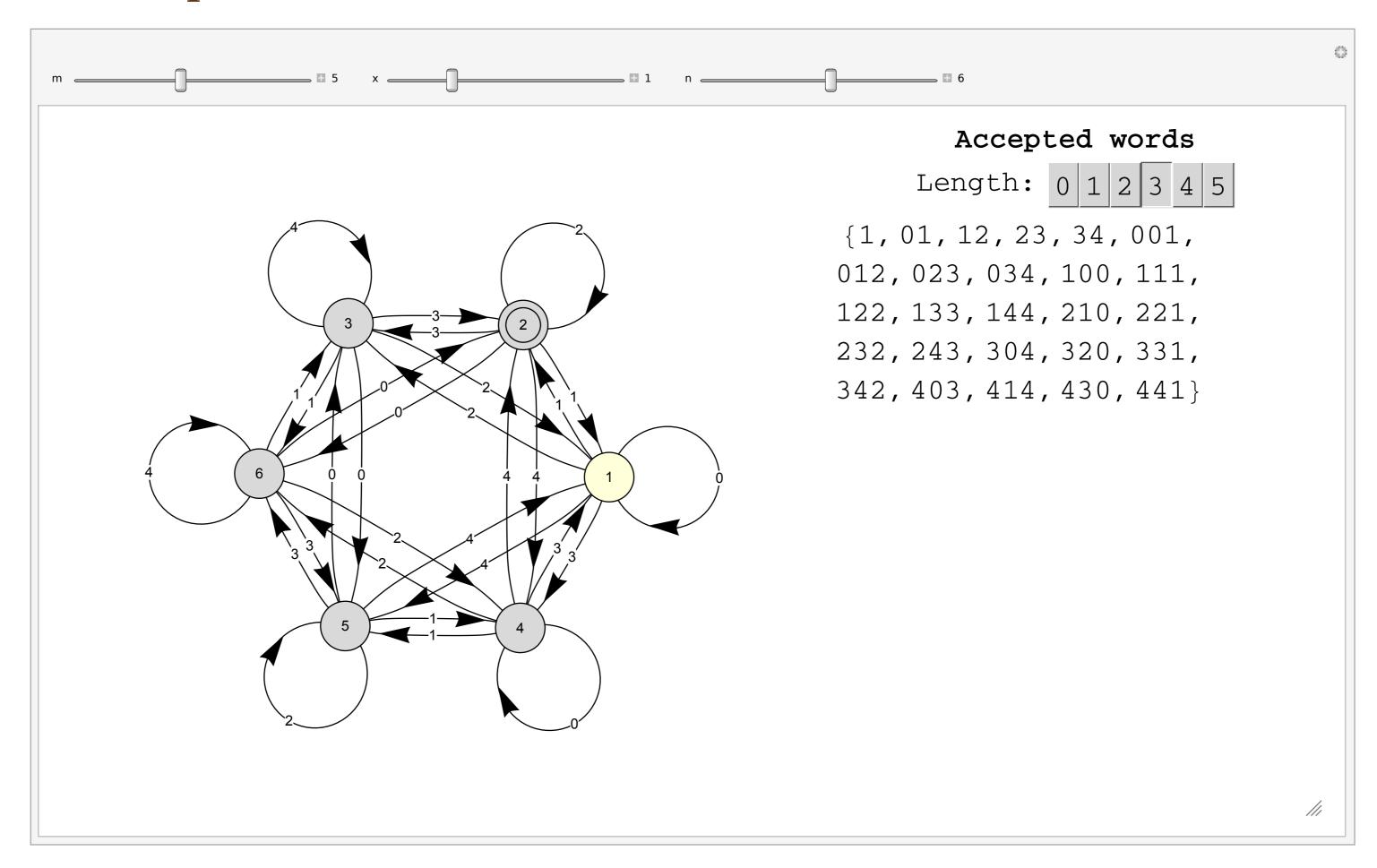
Dubinin D.M.

Scientific director – Sopronyk T.M.

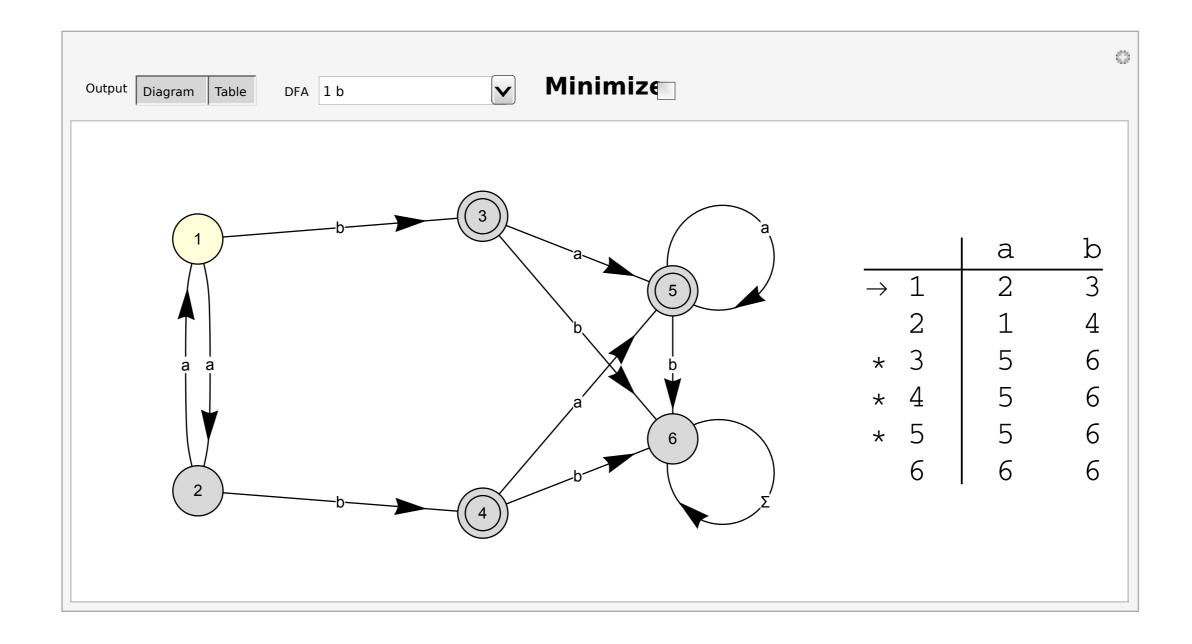
Automaton in action



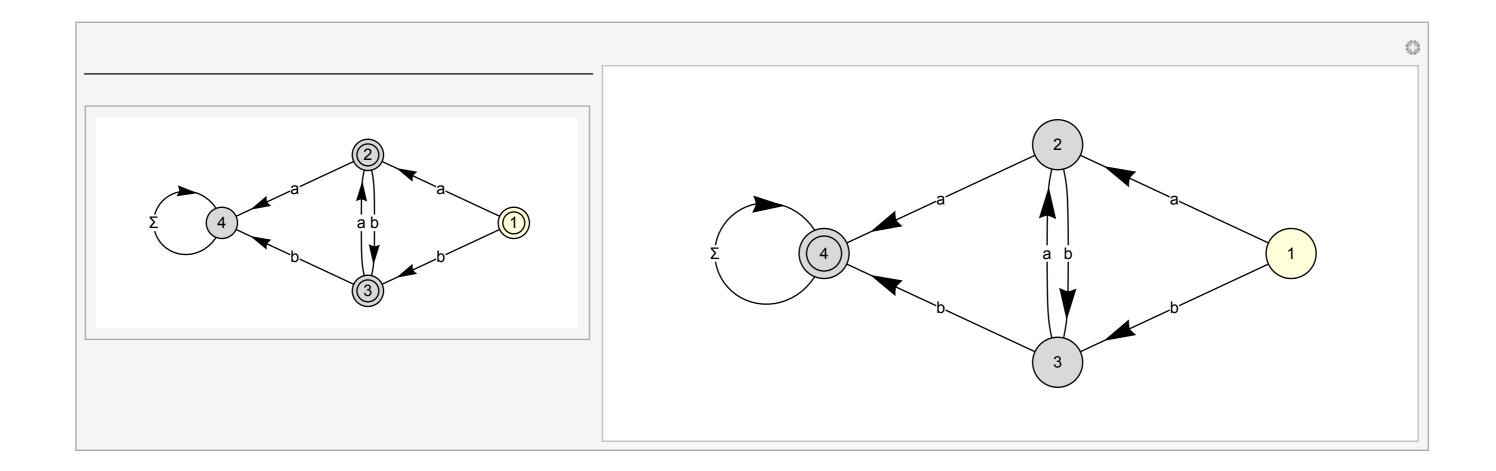
Generation of acceptible words



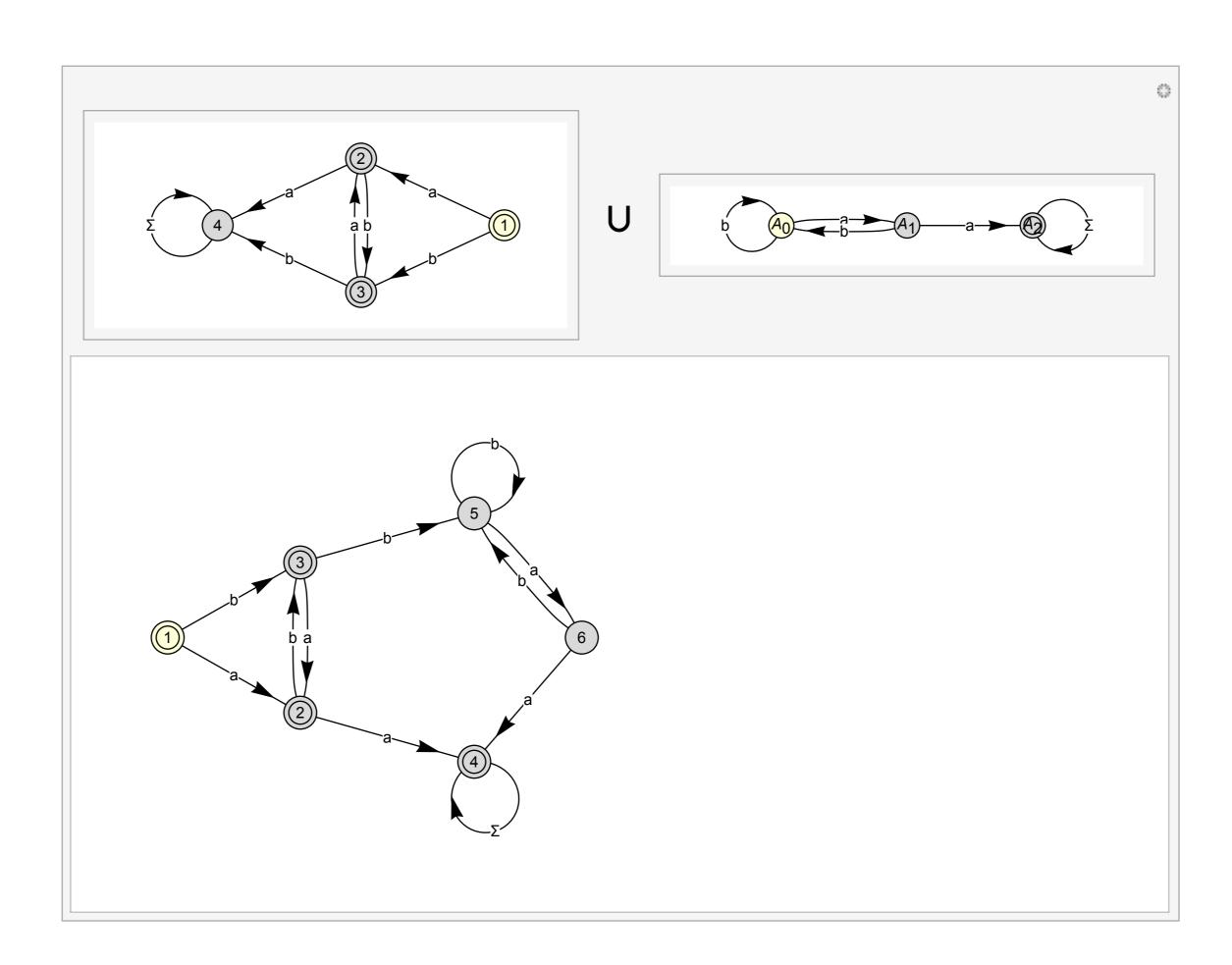
Minim ization



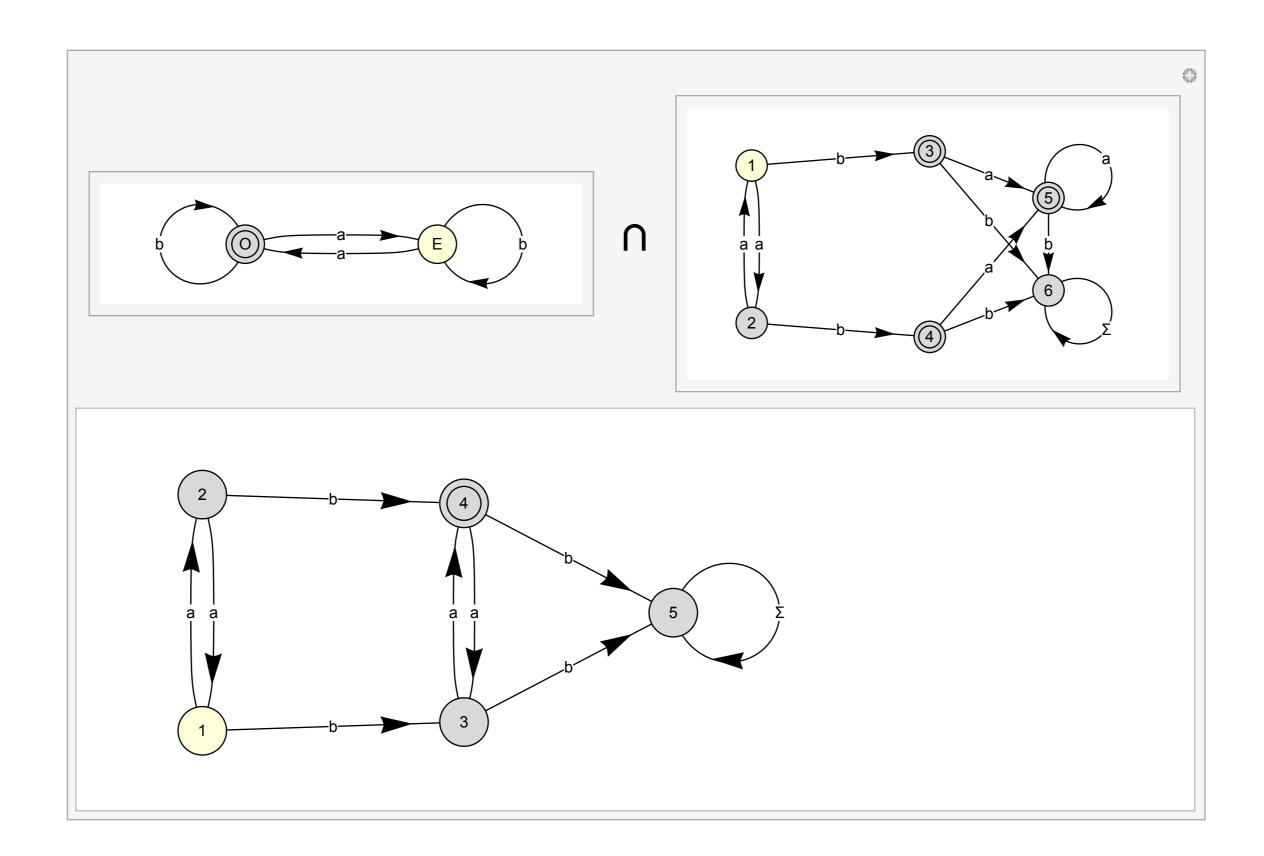
Negation



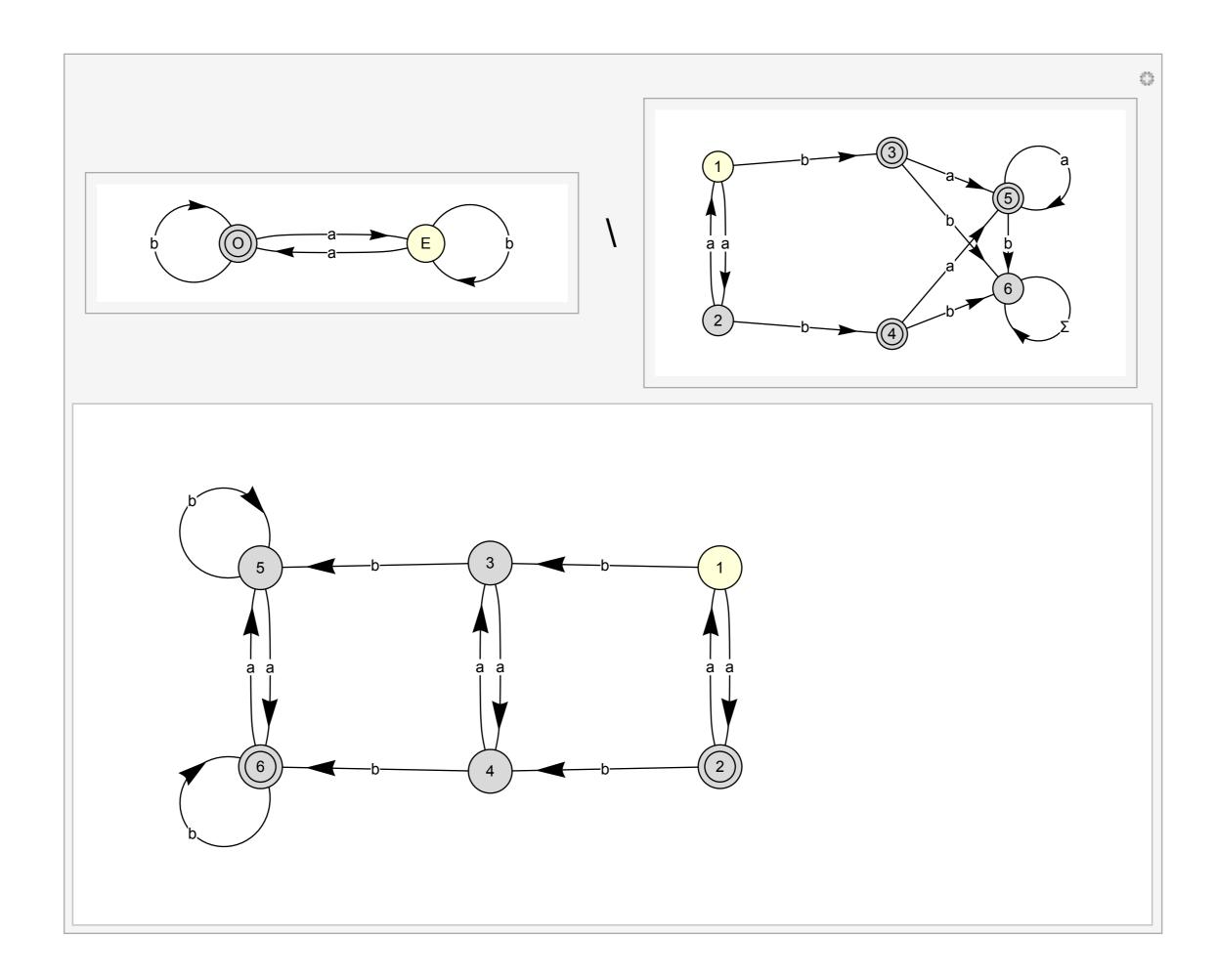
Union



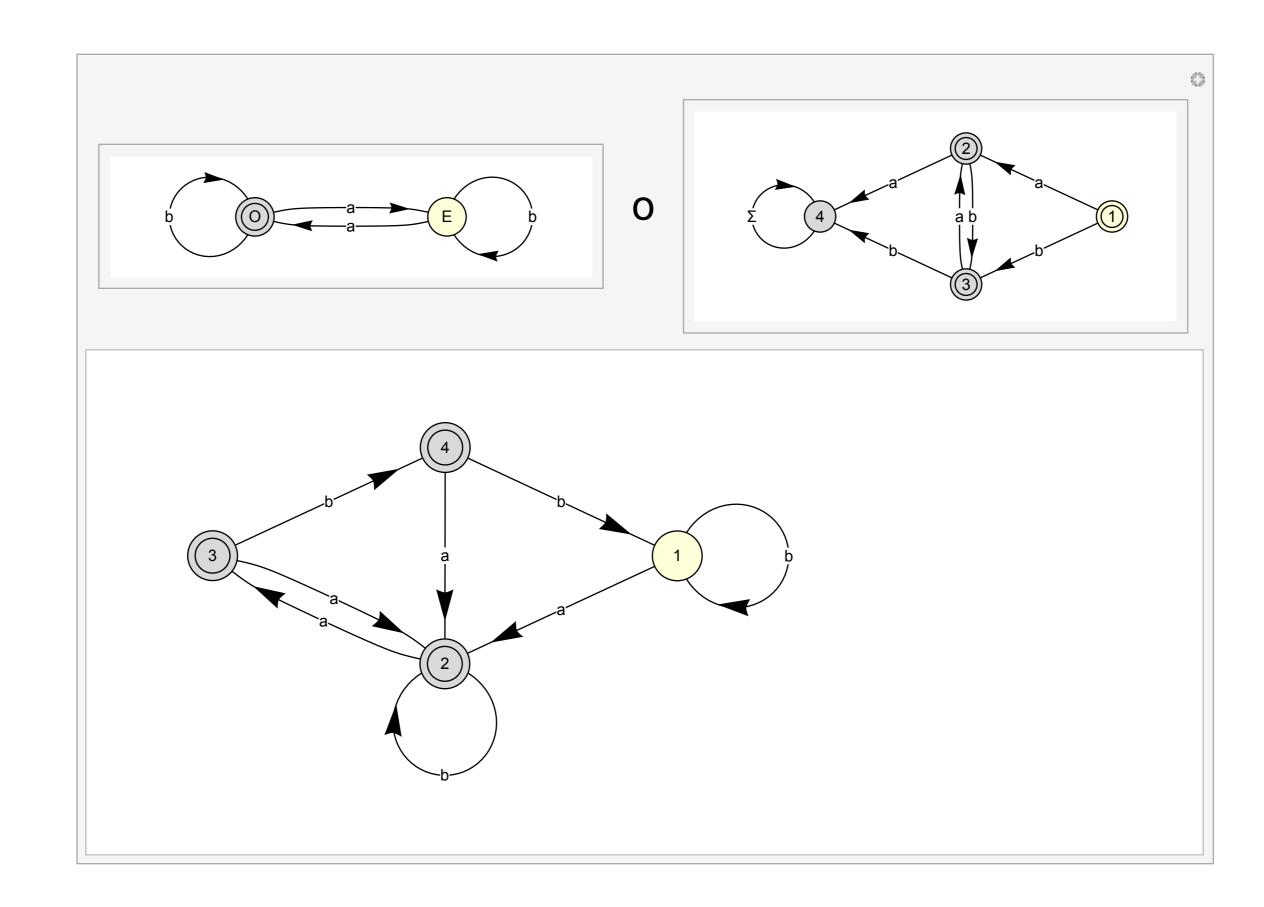
Intersection



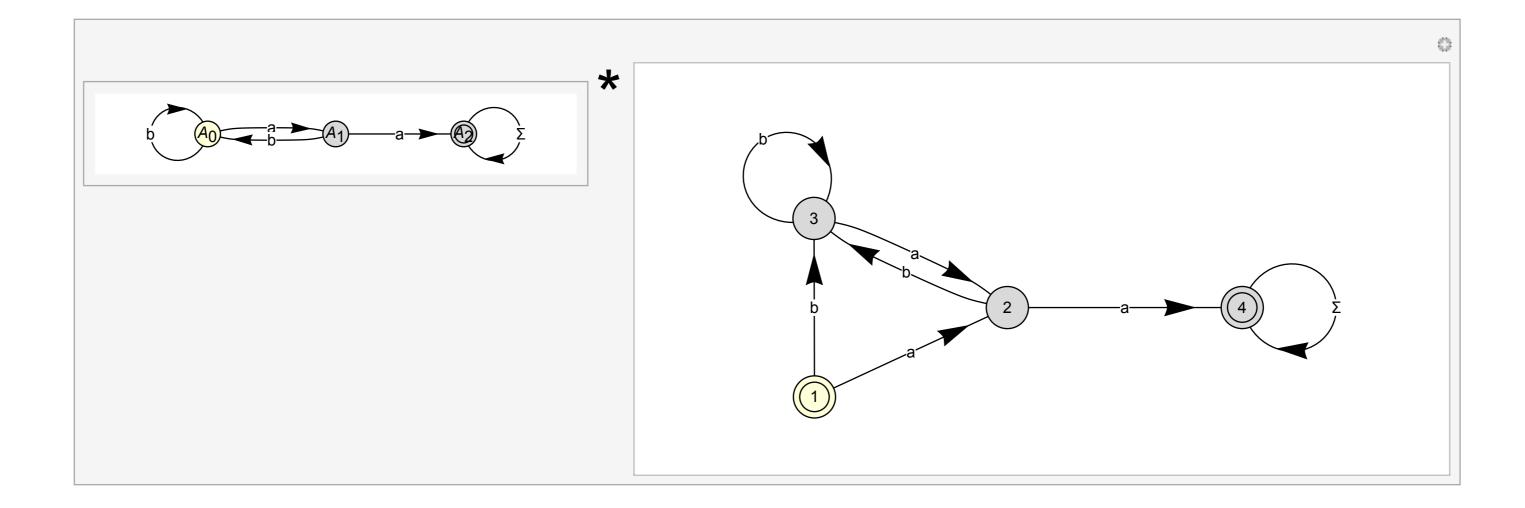
Difference



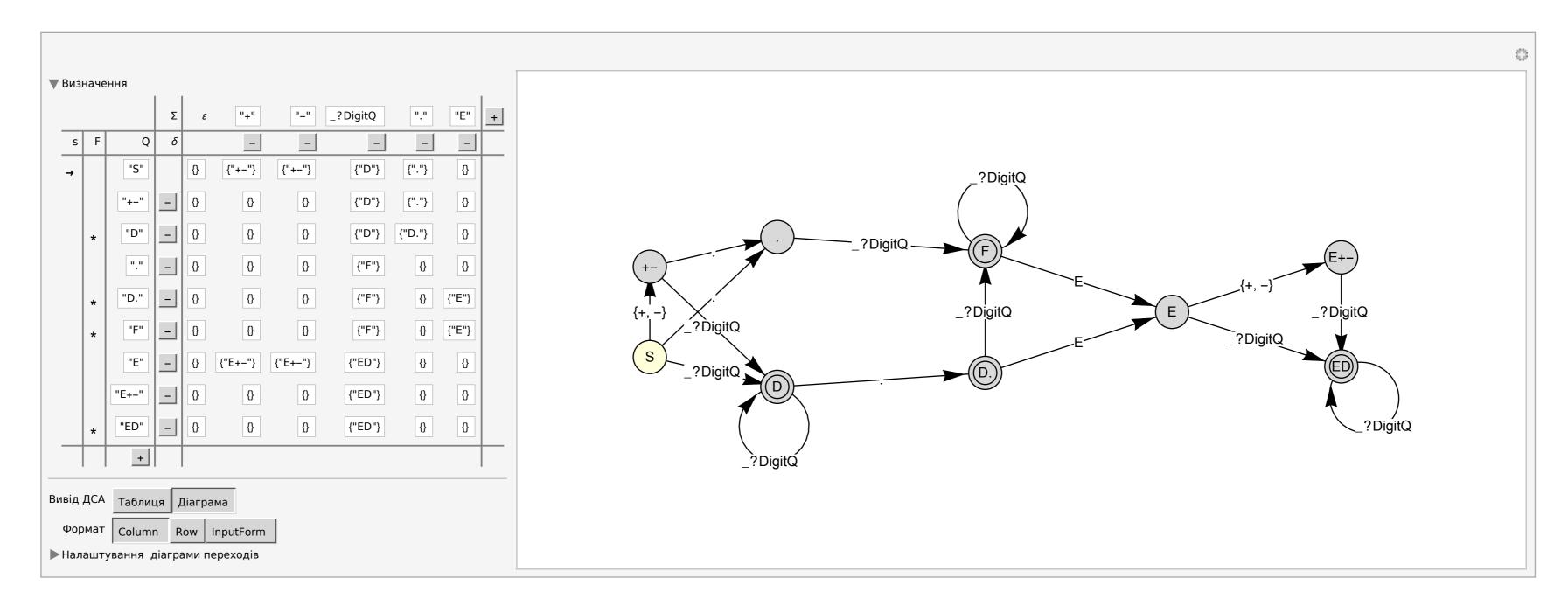
Concatenation



Closure



Automata builder



"Tree" automaton

Accepted words:				one	two	thre	ee ^x for	ur [×] f:	ive	+	
	0	n	е	t	W	h	r	f	u	i	V
$\rightarrow 1$	2	3	3	4	3	3	3	5	3	3	3
2	3	6	3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3	3	3	3
4	3	3	3	3	7	8	3	3	3	3	3
5	9	3	3	3	3	3	3	3	3	10	3
6	3	3	11	3	3	3	3	3	3	3	3
7	11	3	3	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	12	3	3	3	3
9	3	3	3	3	3	3	3	3	13	3	3
10	3	3	3	3	3	3	3	3	3	3	6
* 11	3	3	3	3	3	3	3	3	3	3	3
12	3	3	6	3	3	3	3	3	3	3	3
13	3	3	3	3	3	3	11	3	3	3	3

Thank you