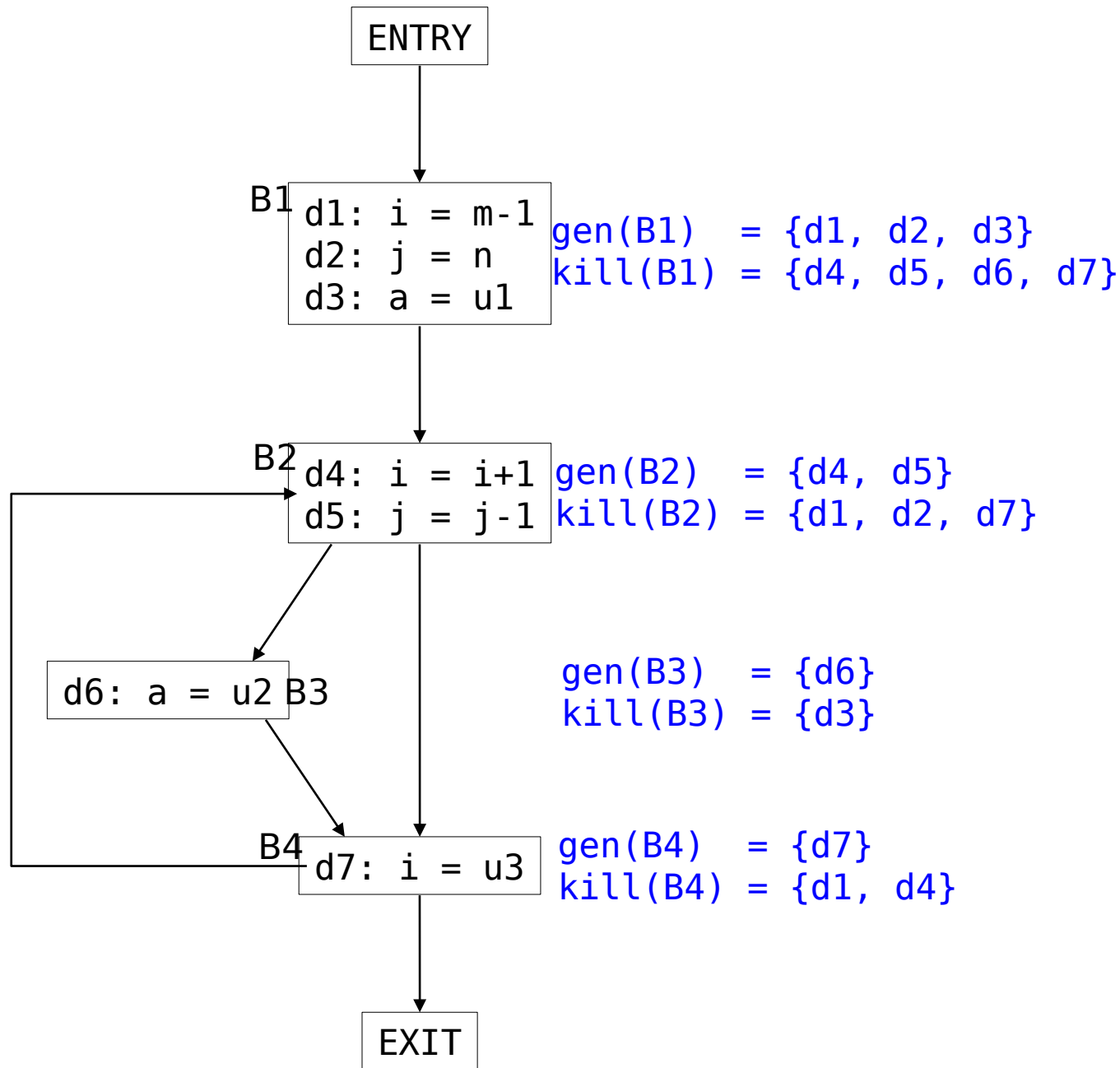


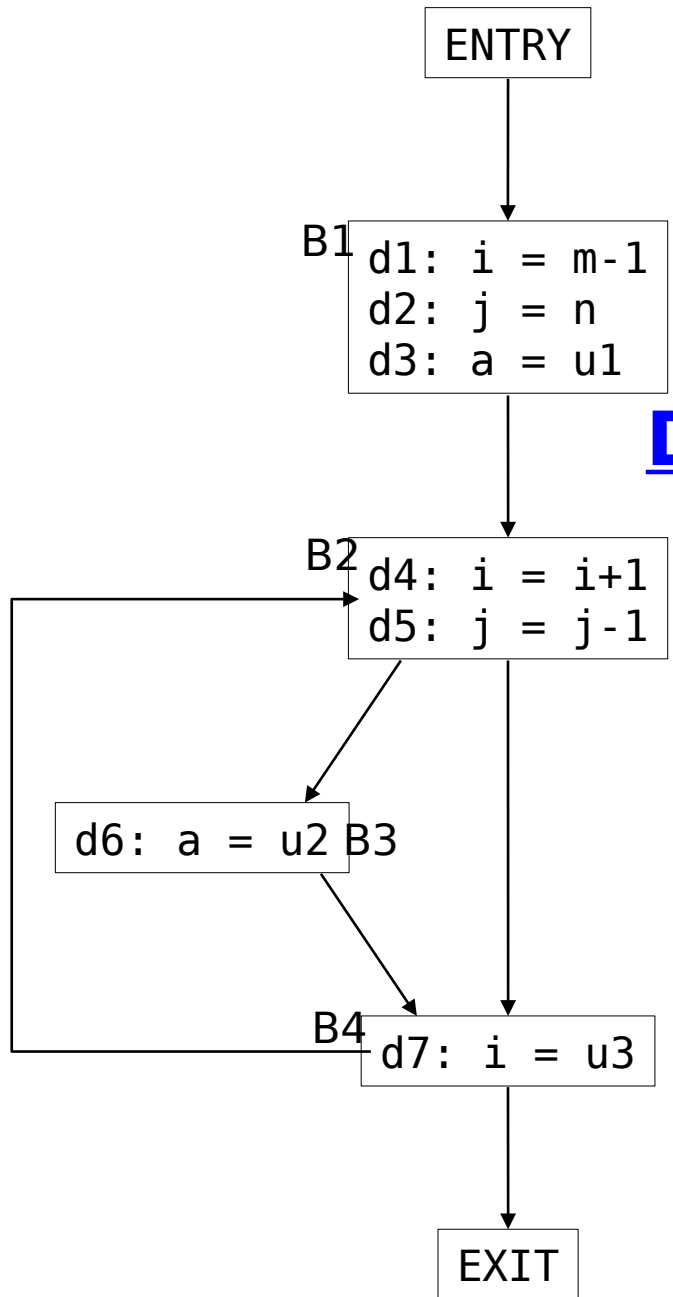
Dataflow Analysis: examples



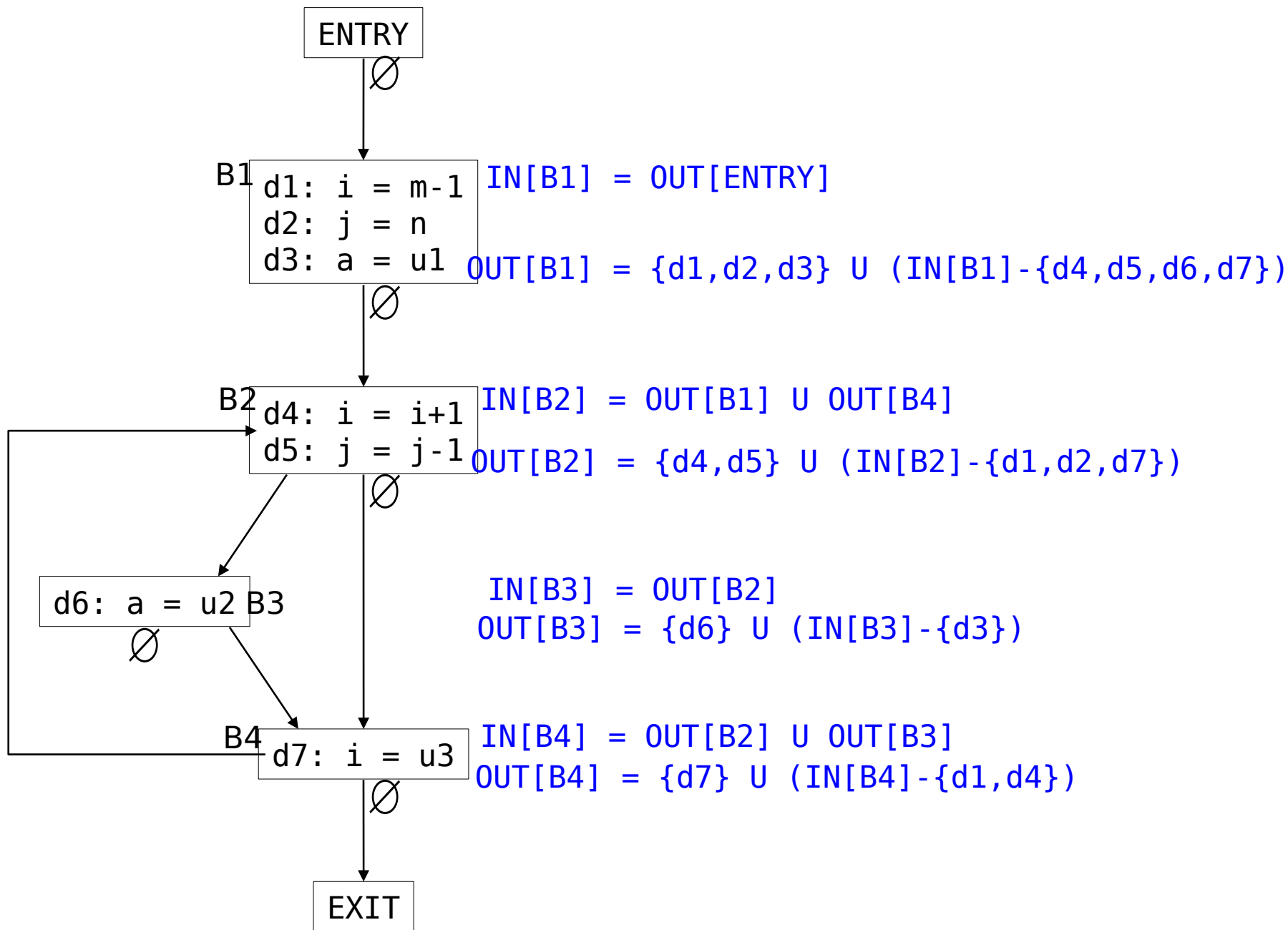
Jordi Cortadella
Department of Computer Science

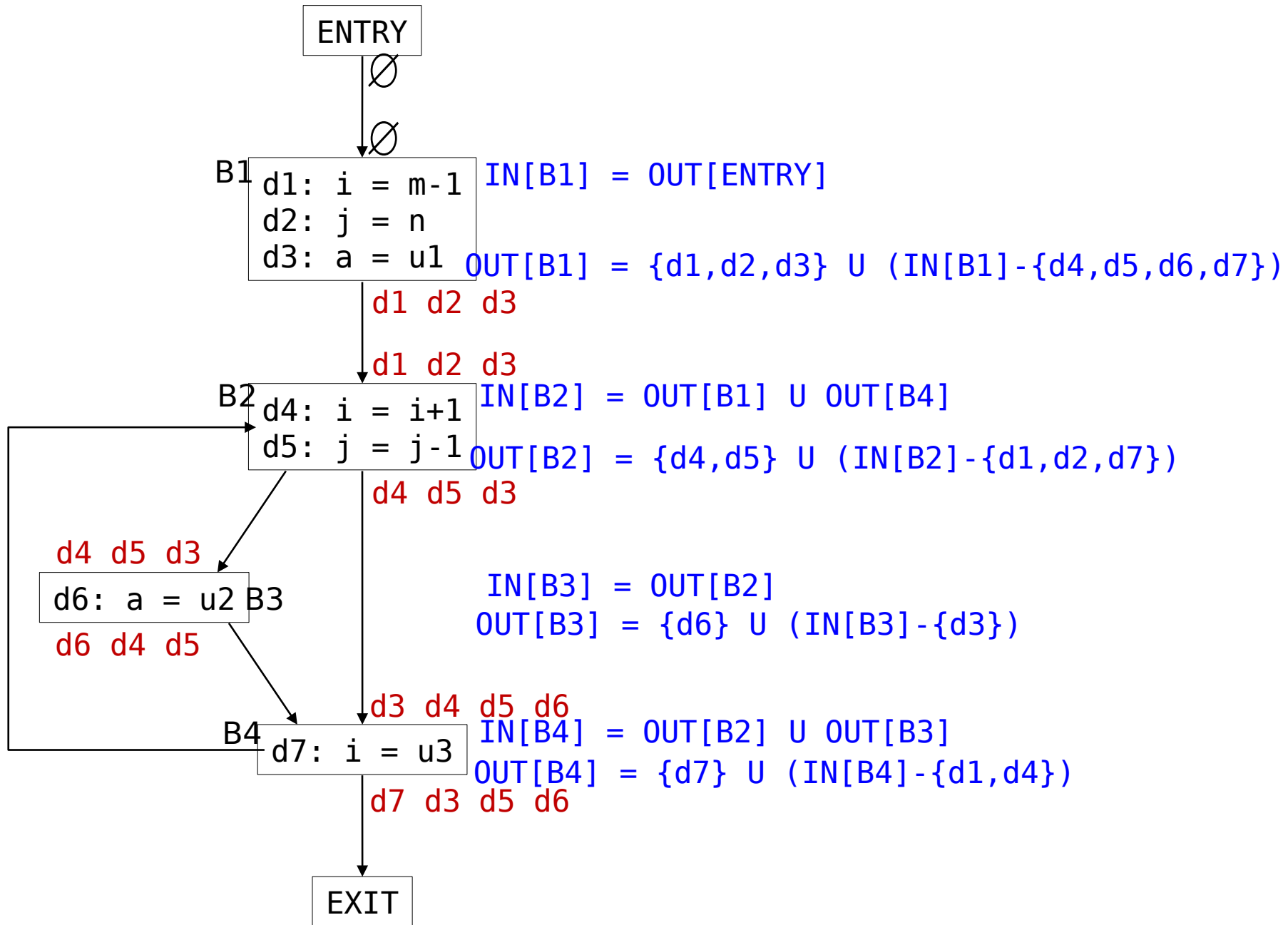
Reaching definitions

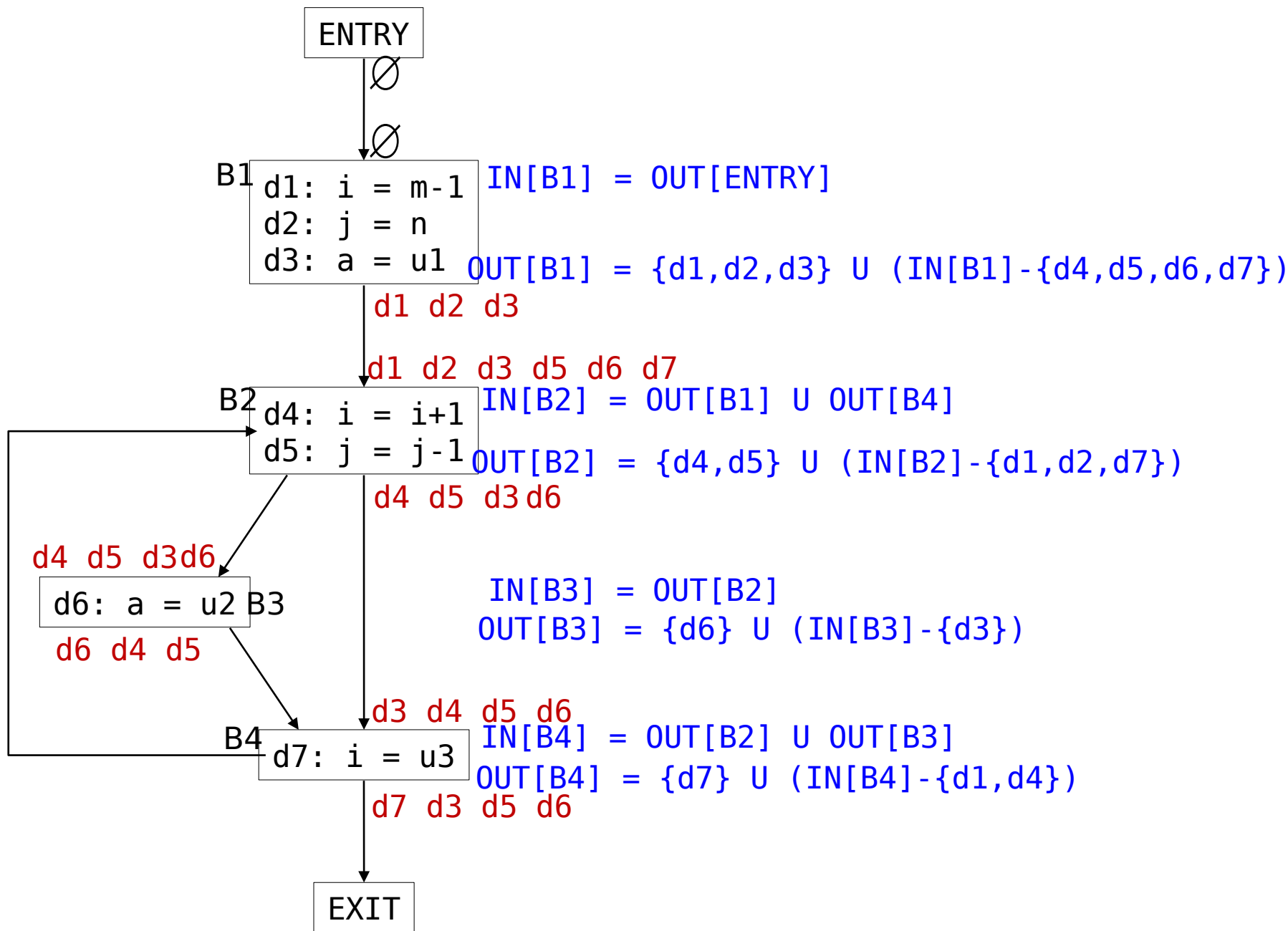




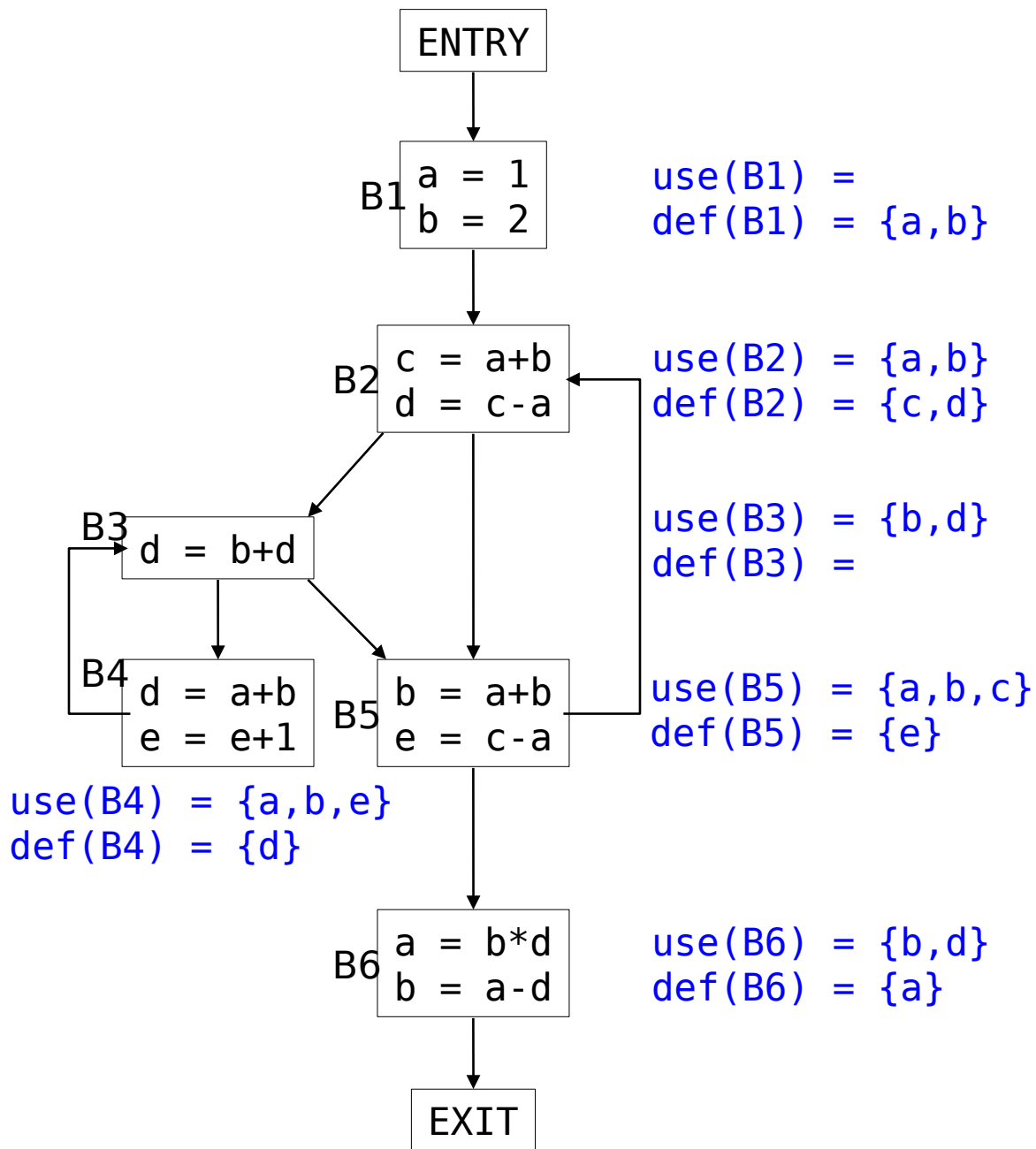
Dataflow equations (forward)

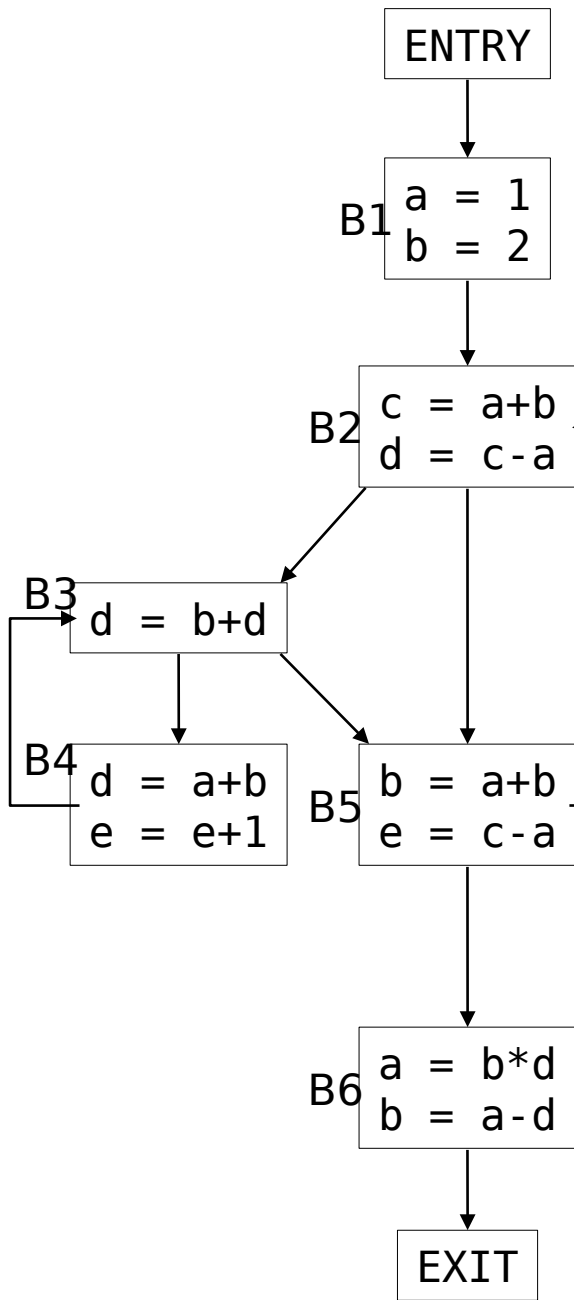




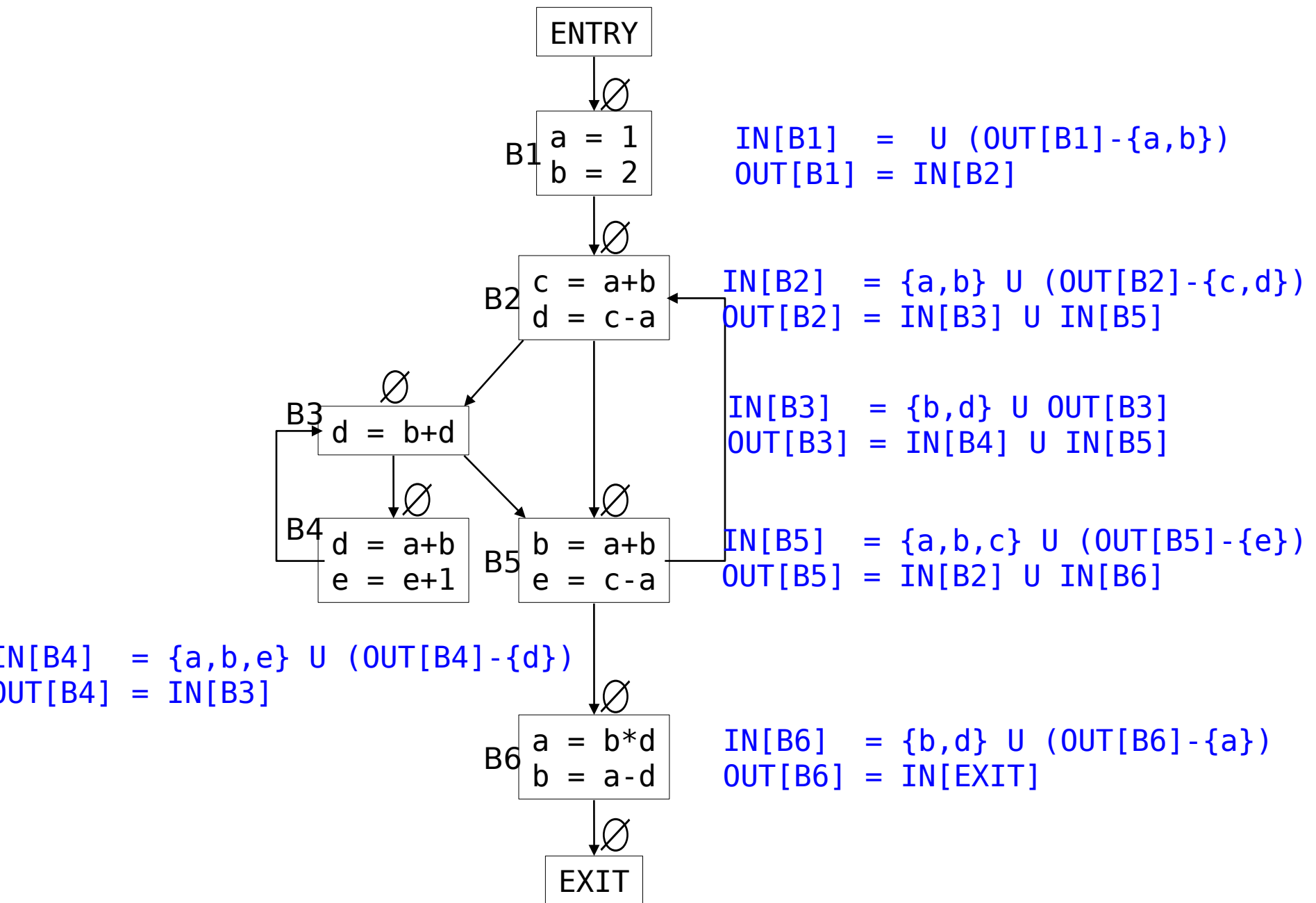


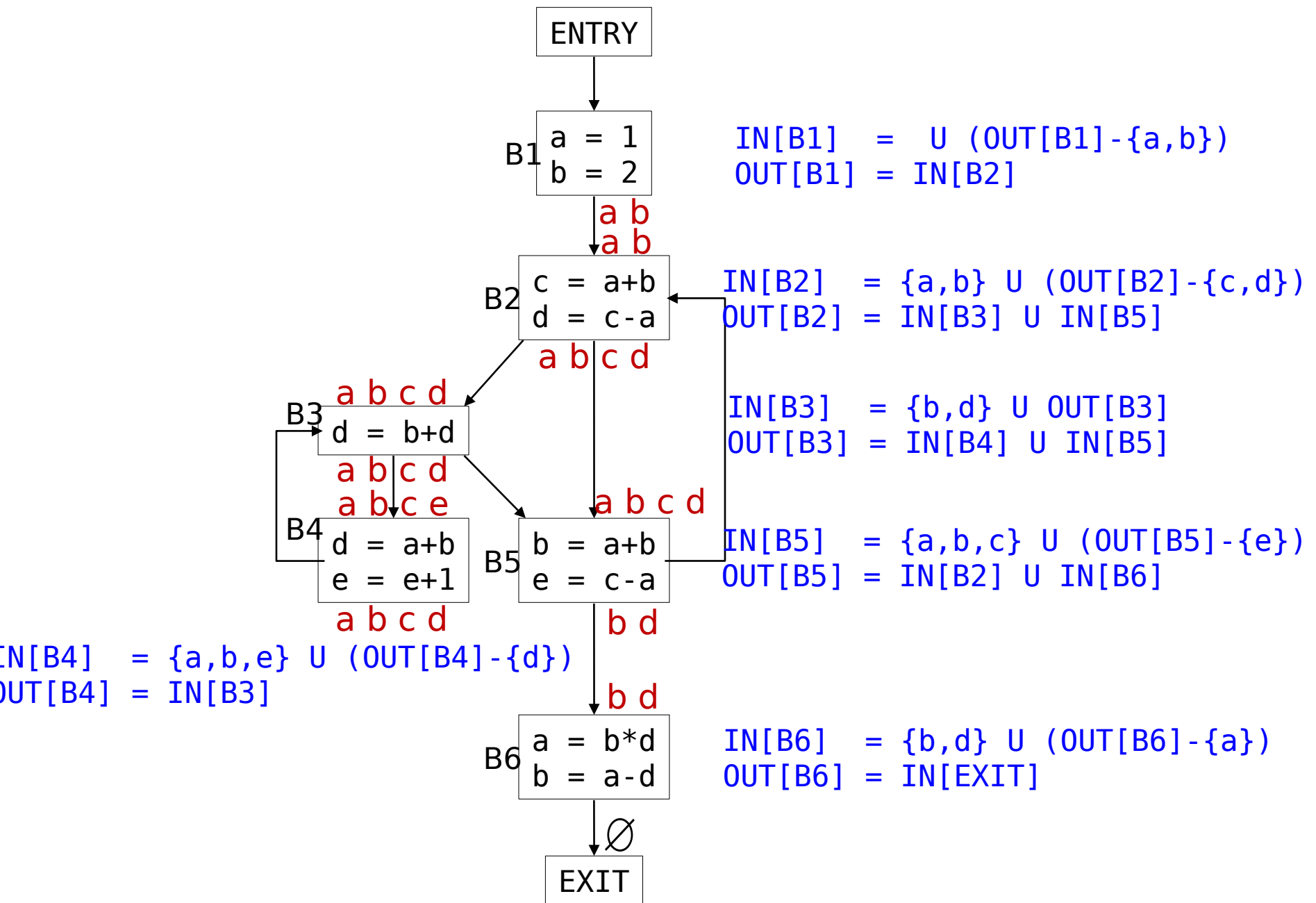
Live variables

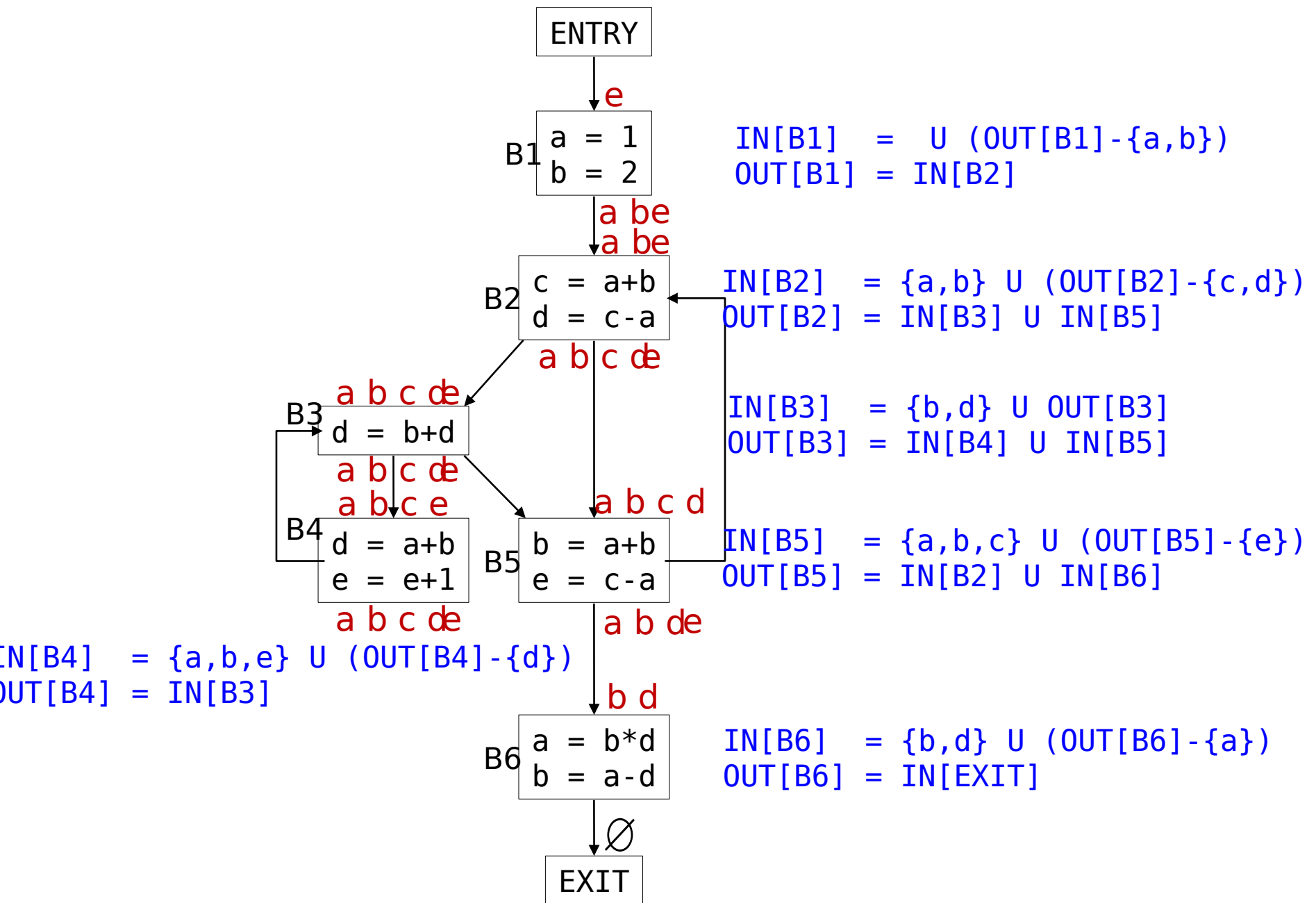




Dataflow equations (backward)

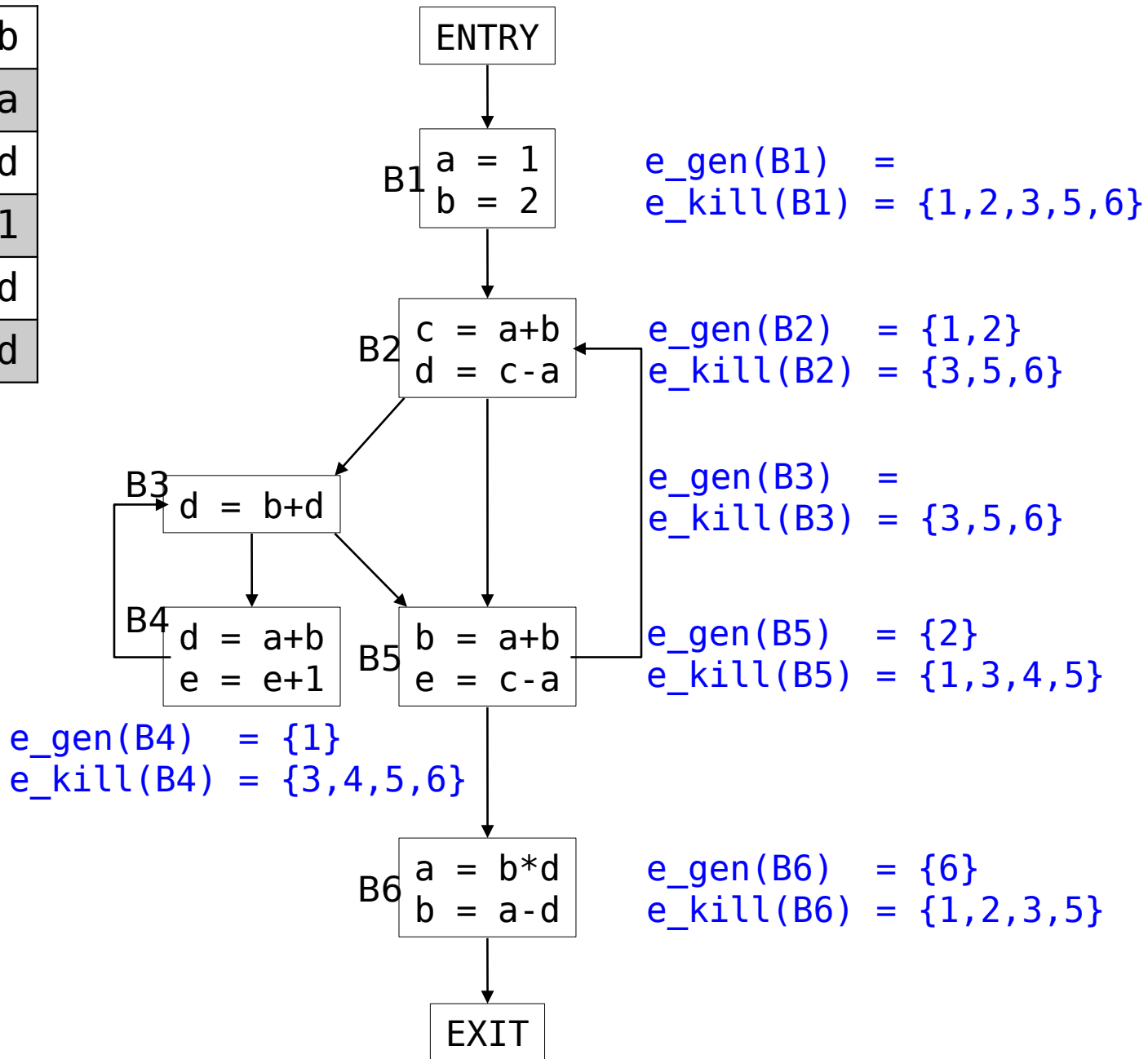


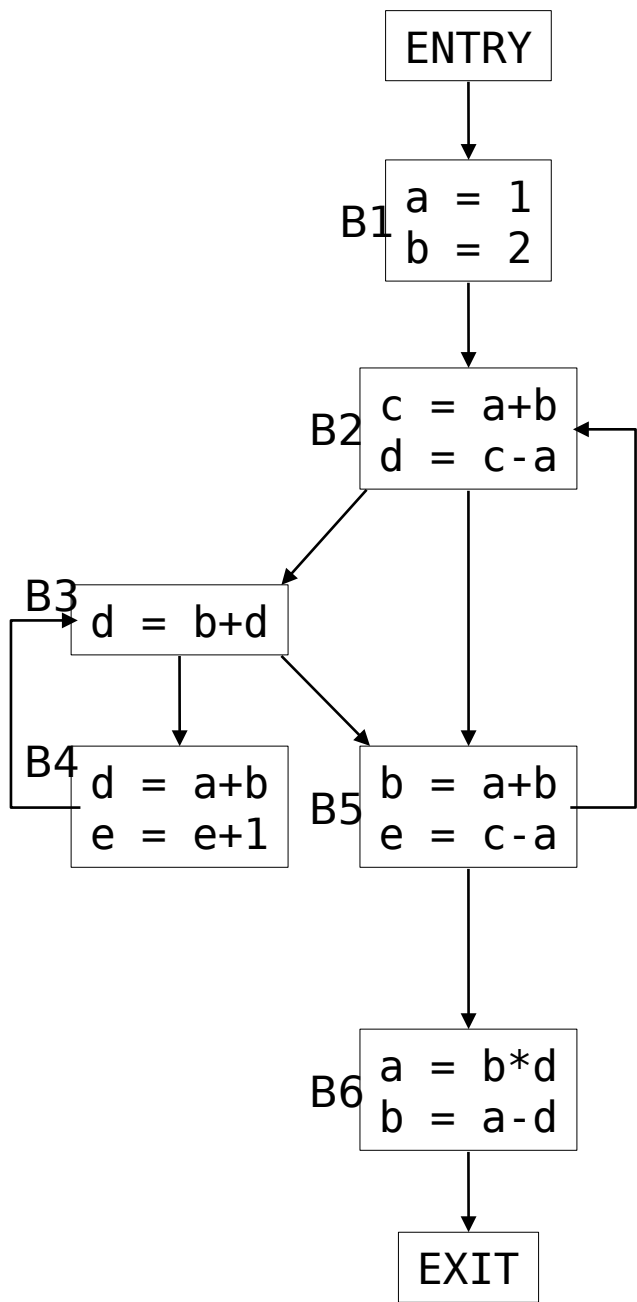




Available expressions

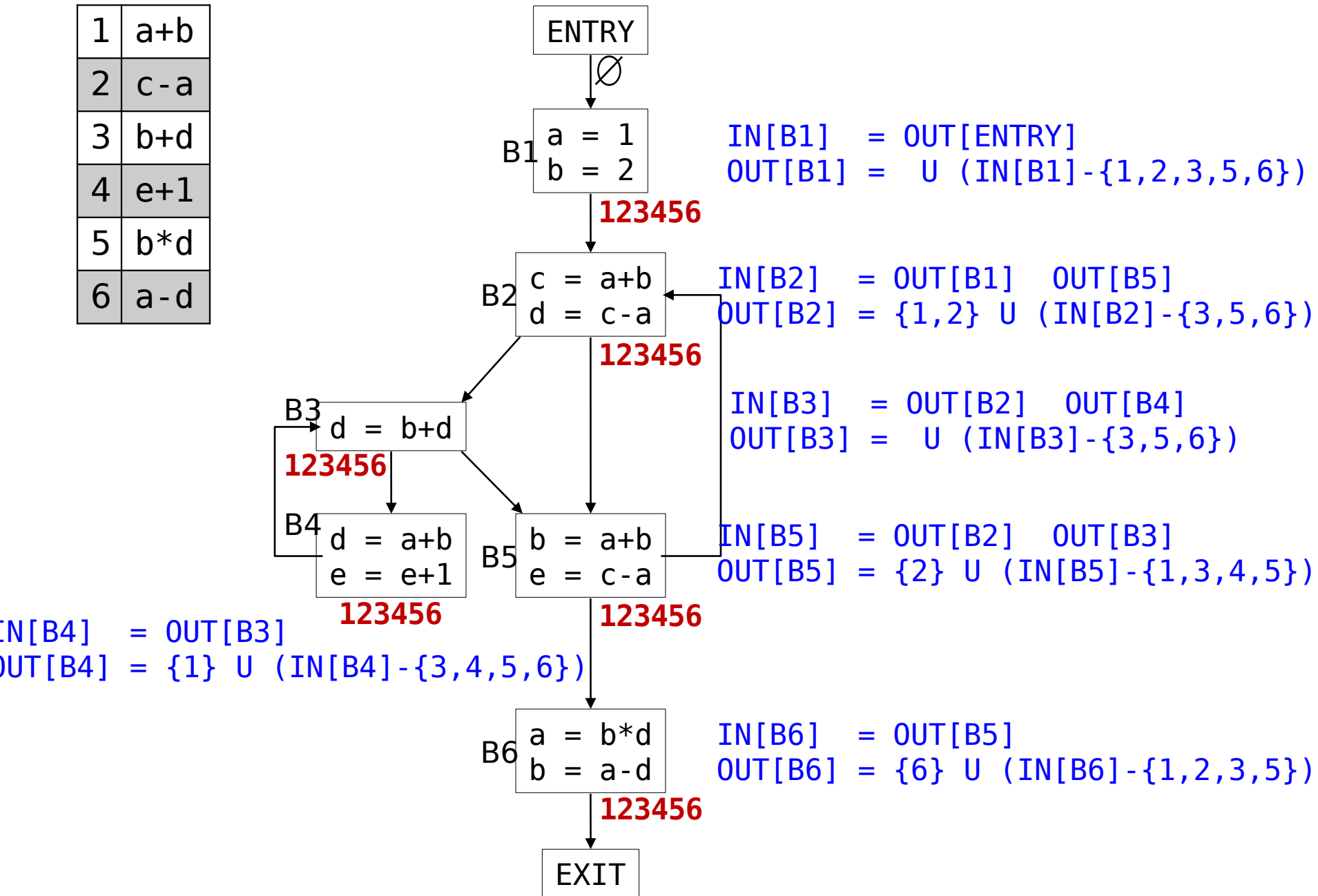
1	a+b
2	c-a
3	b+d
4	e+1
5	b*d
6	a-d





Dataflow equations (forward)

1	a+b
2	c-a
3	b+d
4	e+1
5	b*d
6	a-d



1	a+b
2	c-a
3	b+d
4	e+1
5	b*d
6	a-d

