

a1	a2	a3	a4
0	0	1	1
1	0	1	1
0	1	1	1
1	1	1	1
0	0	0	1
1	0	0	1
0	1	0	1
1	1	0	1
0	0	1	0
1	0	1	0
0	1	1	0
1	1	1	0
0	0	0	0
1	0	0	0
0	1	0	0
1	1	0	0

- Step 1 Draw inputs a1, a2 as pink block shows
- Step 2 Copy pink block from step 1 under itself
- Step 3 Fill a3 of Step 1 with all ones
- Step 4 Fill a3 of Step 2 with all zeroes
- Step 5 Repeat Step 1 with result we have now