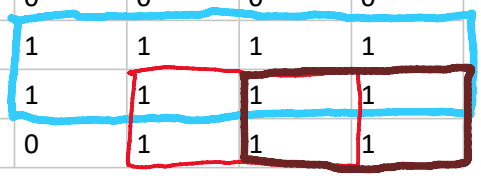
Lab 1

Wednesday, January 27, 2021 11:26 AM

Section 8.1

L1	L2	L	H	Output
0	0	0	0	0
0	0	0	1	1
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	1
0	1	1	0	1
0	1	1	1	1
1	0	0	0	0
1	0	0	1	1
1	0	1	0	1
1	0	1	1	1
1	1	0	0	0
1	1	0	1	1
1	1	1	0	1
1	1	1	1	1

LH\L1L2	00	01	11	10
00	0	0	0	0
01	1	1	1	1
11	1	1	1	1
10	0	1	1	1



From K map:
(H) + (L2 * L) + (L1 * L)
or
(H) + (L * (L1 + L2))

Which matches the description in the problem.

In gate form:

(H) OR (L AND (L1 OR L2))