3-Input Majority Function

1 if a majority of the inputs are 1, 0 otherwise

A	B	C		Majority
0	0	0		0
0	0	1		0
0	1	0		0
0	1	1		1
1	0	0		0
1	0	1		1
1	1	0		1
1	1	1		1

2-level AND-OR implementation

1. An AND-gate for each row of the table with 1 in the output column
2. All inputs (A, B, C) wired to the inputs of each AND-gate
3. Each AND-gate output wired to an input of a single OR-gate
4. "Program" the inputs of each AND-gate to implement one min-term (row) of the table