

A	В	C	D	F = AB + AC + AD + BC + BD + CD	
0	0	0	0	0	
0	0	0	1	0	
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	1	
1	1	0	1	1	
1	1	1	0	1	
1	1	1	1	1	

- This circuit gives the output from the probe, on only when two or more than two from four of the keys are on.
- In this circuit there are 4 input majority detector. Name are given as A, B, C and D. Also the output formula is AB + AC + AD + BC + BD + CD = F. Here F is the variable for output.

0	0	1	0
0	1	1	1
1	1	1	1
0	1	1	1

(Implementation is on next page)



