MCDC – Solution

```
IF (C1 and C2 and C3) or C4 THEN
      True outcome
Else
      False outcome
ENDIF
```

Total Number of Test Cases					
TestCaseNo	C1	C2	C3	C4	Outcome
1	T	T	T	T	T
2	T	T	T	F	T
3	T	T	F	T	T
4	T	T	F	F	F
5	T	F	T	T	T
6	T	F	T	F	F
7	T	F	F	T	T
8	T	F	F	F	F
9	F	T	T	T	T
10	F	T	T	F	F
11	F	T	F	T	T
12	F	T	F	F	F
13	F	F	T	T	T
14	F	F	T	F	F
15	F	F	F	T	T
16	F	F	F	F	F

Based on the changes of condition, following test pairs can be tested,
C1-> [2,10]
C2 -> [2,6]
C3 -> [2,4]
C4-> [3,4][7,6][9,10][9,10][5,6][11,12]

Minimum Test Cases based on the number of test cases,
TC -> 2,3,4,10,6

Following chart is created to display the which cases should be executed based on the outcome,

TRUE outcome				
	C1	C2	C3	C4
C1	**1**	1	1	0
C2	1	**1**	1	0
C3	1	1	**1**	0
C4	*	*	*	**1**

	FALSE outcome			
	C1	C2	C3	C4
12	**0**	*	*	0
16	*	**0**	*	0
2-4	*	*	**0**	0
3-4	*	*	0	**0**

*any parameter can be selected as True or False.