

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

Full number of test cases				
C1	C2	C3	C4	Result
TRUE	TRUE	TRUE	TRUE	TRUE
TRUE	TRUE	TRUE	FALSE	TRUE
TRUE	TRUE	FALSE	TRUE	TRUE
TRUE	TRUE	FALSE	FALSE	FALSE
TRUE	FALSE	TRUE	TRUE	TRUE
TRUE	FALSE	TRUE	FALSE	FALSE
TRUE	FALSE	FALSE	TRUE	TRUE
TRUE	FALSE	FALSE	FALSE	FALSE
FALSE	TRUE	TRUE	TRUE	TRUE
FALSE	TRUE	TRUE	FALSE	FALSE
FALSE	TRUE	FALSE	TRUE	TRUE
FALSE	TRUE	FALSE	FALSE	FALSE
FALSE	FALSE	TRUE	TRUE	TRUE
FALSE	FALSE	TRUE	FALSE	FALSE
FALSE	FALSE	FALSE	TRUE	TRUE
FALSE	FALSE	FALSE	FALSE	FALSE

Classes of equivalence				
C1	C2	C3	C4	Result
TRUE	TRUE	TRUE	ANY	TRUE
ANY*	ANY*	ANY*	TRUE	TRUE
ANY*	ANY*	ANY*	FALSE	FALSE
*except C1==C2==C3==1				

Minimum number of test cases**				
C1	C2	C3	C4	Result
TRUE	TRUE	TRUE	FALSE	TRUE
FALSE	FALSE	FALSE	TRUE	TRUE
FALSE	FALSE	FALSE	FALSE	FALSE
**any combination from each of equivalence classes				

