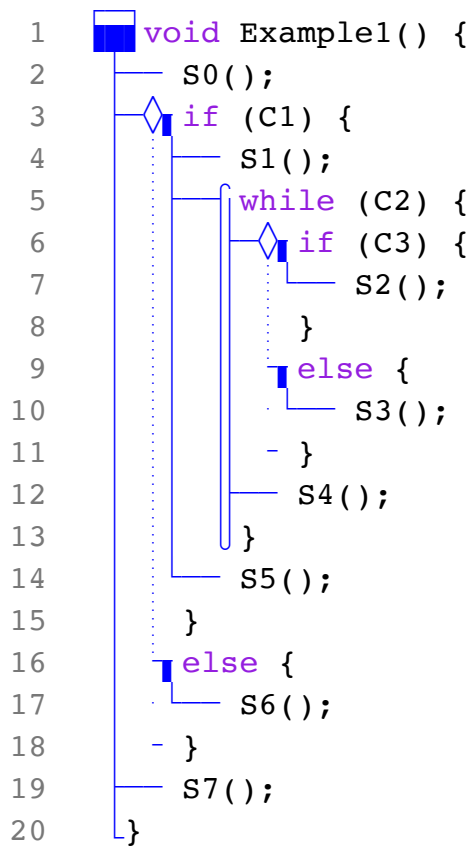


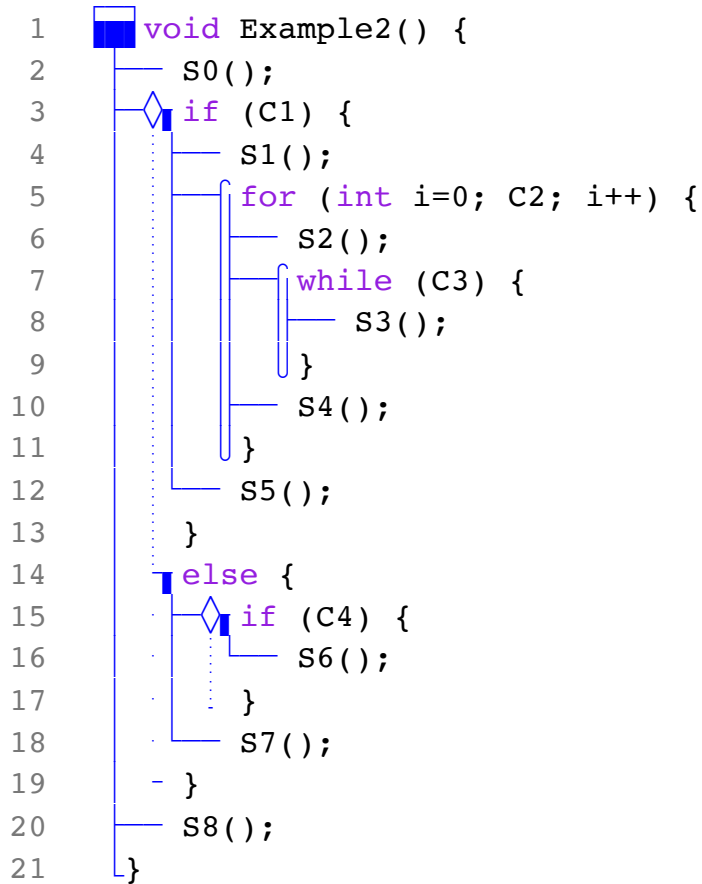
Basis Path Examples - Solutions



V (G) = 4 Note: In the Path column, it is not necessary to include the Cs in the line number designation if there are no multiple conditions in the line.

Path #	Path	C1	C2	C3
1	1-2-3-17-19	F	X	X
2	1-2-3-4-5-14-19	T	F	X
3	1-2-3-4-5-6-7-12-5-14-19	T	T/F	T
4	1-2-3-4-5-6-10-12-5-14-19	T	T/F	F

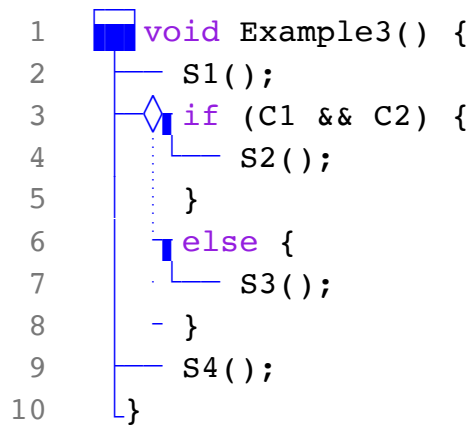
Basis Path Examples - Solutions



V (G) = 5 Note: In the Path column, it is not necessary to include the Cs in the line number designation if there are no multiple conditions in the line.

Path #	Path	C1	C2	C3	C4
1	1-2-3-15-18-20	F	X	X	F
2	1-2-3-15-16-18-20	F	X	X	T
3	1-2-3-4-5-12-20	T	F	X	X
4	1-2-3-4-5-6-7-10-5-12-20	T	T/F	F	X
5	1-2-3-4-5-6-7-8-7-10-5-12-20	T	T/F	T	X

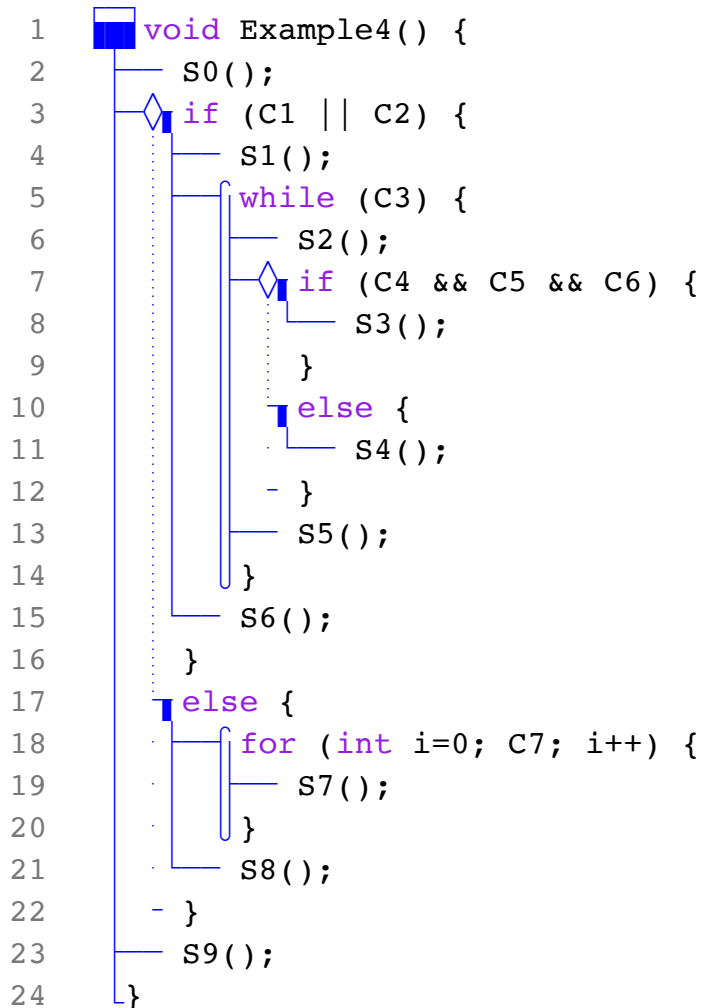
Basis Path Example with Multiple Conditions – Solutions



$V(G) = 3$

Path #	Path	C1	C2
1	1-2-3C1-7-9	F	X
2	1-2-3C1-3C2-7-9	T	F
3	1-2-3C1-3C2-4-9	T	T

Basis Path Example with Multiple Conditions – Solutions



$V(G) = 8$ Note: paths 5, 6, 7, 8 could be replaced with paths 9, 10, 11, 12 to form a basis set of 8.

Path #	Path	C1	C2	C3	C4	C5	C6	C7
1	1-2-3C1-3C2-18-21-23	F	F	X	X	X	X	F
2	1-2-3C1-3C2-18-19-18-21-23	F	F	X	X	X	X	T/F
3	1-2-3C1-4-5-15-23	T	X	F	X	X	X	X
4	1-2-3C1-3C2-4-5-15-23	F	T	F	X	X	X	X
5	1-2-3C1-4-5-6-7C4-11-13-5-15-23	T	X	T/F	F	X	X	X
6	1-2-3C1-4-5-6-7C4-7C5-11-13-5-15-23	T	X	T/F	T	F	X	X
7	1-2-3C1-4-5-6-7C4-7C5-7C6-11-13-5-15-23	T	X	T/F	T	T	F	X
8	1-2-3C1-4-5-6-7C4-7C5-7C6-8-13-5-15-23	T	X	T/F	T	T	T	X
9	1-2-3C1-3C2-4-5-6-7C4-11-13-5-15-23	F	T	T/F	F	X	X	X
10	1-2-3C1-3C2-4-5-6-7C4-7C5-11-13-5-15-23	F	T	T/F	T	F	X	X
11	1-2-3C1-3C2-4-5-6-7C4-7C5-7C6-11-13-5-15-23	F	T	T/F	T	T	F	X
12	1-2-3C1-4-5-6-7C4-7C5-7C6-8-13-5-15-23	F	T	T/F	T	T	T	X

Could
replace
paths
5, 6, 7, 8