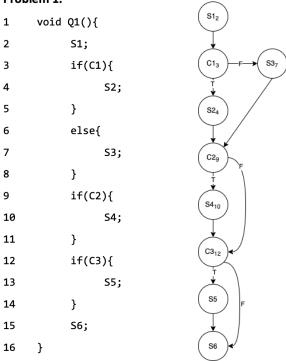
SQA Assignment 2 Sarah Pham

Quick Notes:

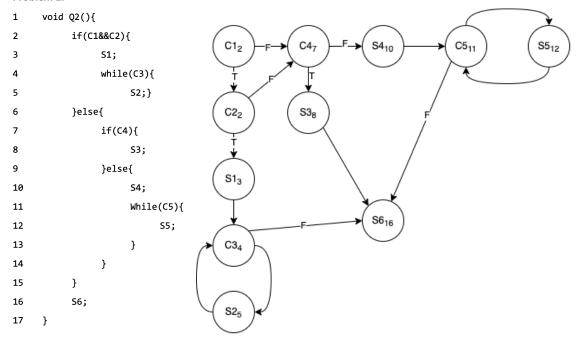
- Cyclomatic number tells us the upper bound (max number of ip paths to cover all branches/paths) of the number of paths in basis set
- P* is the total number of syntactic paths
- If there are parallels, you add them instead of multiply
- DD path is from decision to decision and are partial paths
- Statement coverage is not enough, it's the bare minimum
- Path predicates are rules we need to satisfy in order to execute the path itself

Problem 1:

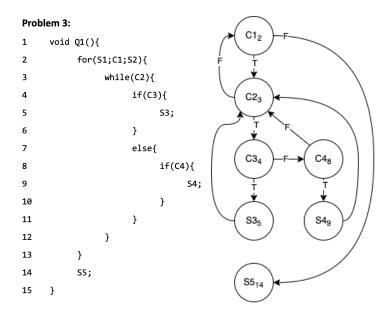


Path #	Path	C1	C2	C3
1	1-2-3-7-9-12-15	F	F	F
2	1-2-3-7-9-12-13-15	F	F	Т
3	1-2-3-7-9-10-12-13-15	F	Т	Т
4	1-2-3-4-9-10-12-13-15	Т	Т	Т

Problem 2:

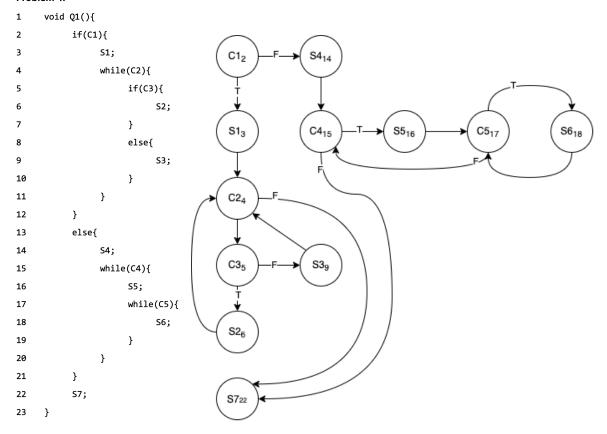


Path #	Path	C1	C2	C3	C4	C5
1	1-2 ₁ -7-8-16	F	Х	Х	Т	Х
2	1-2 ₁ -2 ₂ -7-8-16	Т	F	Х	Т	Х
3	1-2 ₁ -7-10-11-16	F	Х	Х	F	F
4	1-2 ₁ -2 ₂ -3-4-5-4-16	Т	Т	T/F	Х	Х
5	1-2 ₁ -7-10-11-12-11-16	F	Х	Х	F	T/F
6	1-2 ₁ -2 ₂ -7-10-11-12-11-16	Т	F	Х	F	T/F



Path #	Path	C1	C2	C3	C4
1	1-2-14	F	Х	Х	Х
2	1-2-3-4-8-9-3-2-14	T/F	T/F	F	Т
3	1-2-3-4-8-3-2-14	T/F	T/F	F	F
4	1-2-3-4-5-3-2-14	T/F	T/F	Т	Т
5	1-2-3-2-14	T/F	T/F	Х	Х

Problem 4:



Path #	Path	C1	C2	C3	C4	C5
1	1-2-14-15-22	F	Х	Х	F	Х
2	1-2-3-4-22	Т	F	Х	Х	Х
3	1-2-3-4-5-6-4-22	Т	T/F	Т	X	X
4	1-2-3-4-5-9-4-22	Т	T/F	F	X	Х
5	1-2-14-15-16-17-15-22	F	Х	X	T/F	F
6	1-2-14-15-16-17-18-17-15-22	F	Х	Х	T/F	T/F