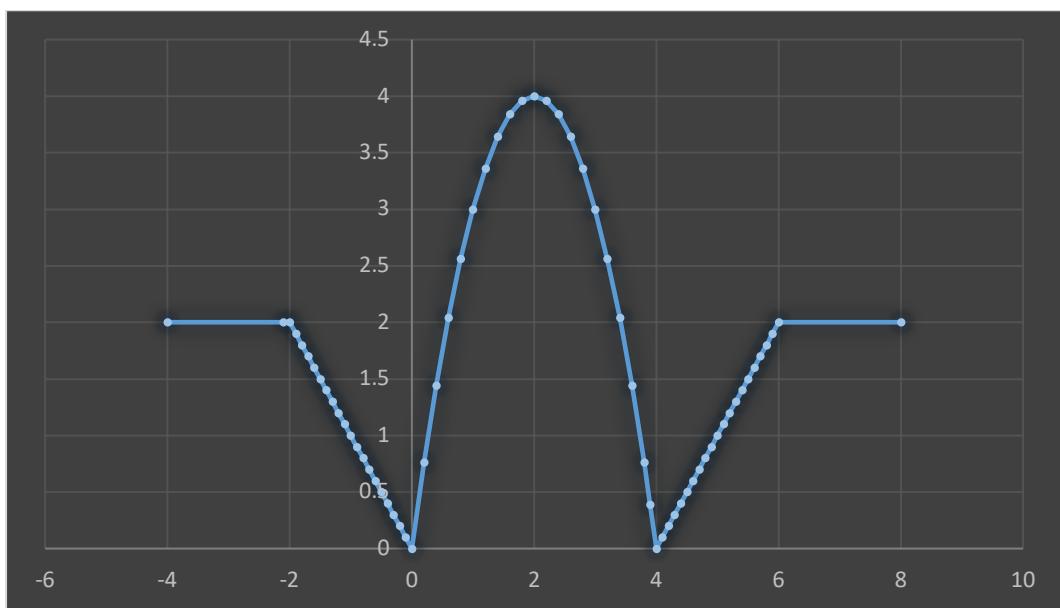


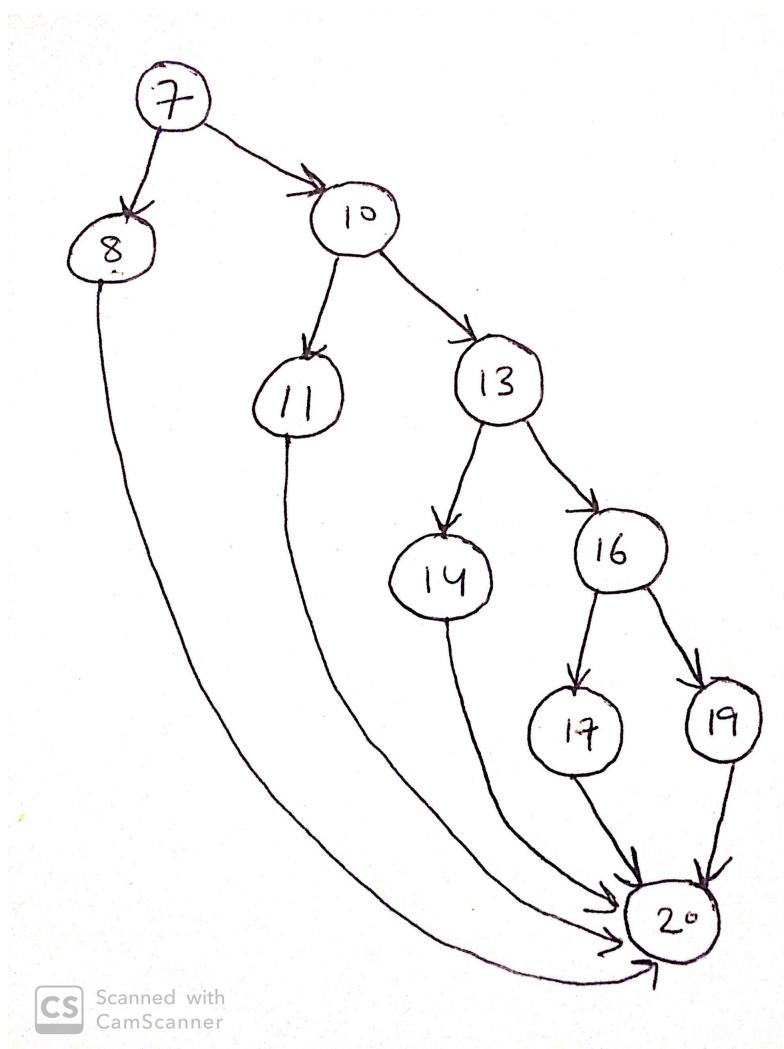
5321 Homework 3.4b
Summer 2019

1)

1.



2.



3. Cyclomatic complexity is 5.

4.

Test Case Number	Inputs		Exp Output	Basis Path Tested
	X	Y		
1	-2.1		2.00	7-8-20
2	-0.1		0.10	7-10-11-20
3	3.9		0.39	7-10-13-14-20
4	5.9		1.90	7-10-13-16-17-20
5	6.0		2.00	7-10-13-16-19-20
6	-4.0		2.00	Extreme Values
7	-2.0		2.00	-
8	0.0		0.00	-
9	4.0		0.00	-
10	8.0		2.00	Extreme Values
11	-1.0		1.00	mid point linear
12	5.0		1.00	mid-point linear
13	2.0		4.00	max/min - parabolic max point
14	1.0		3.00	between max/min and BV(0.0) - parabolic 1

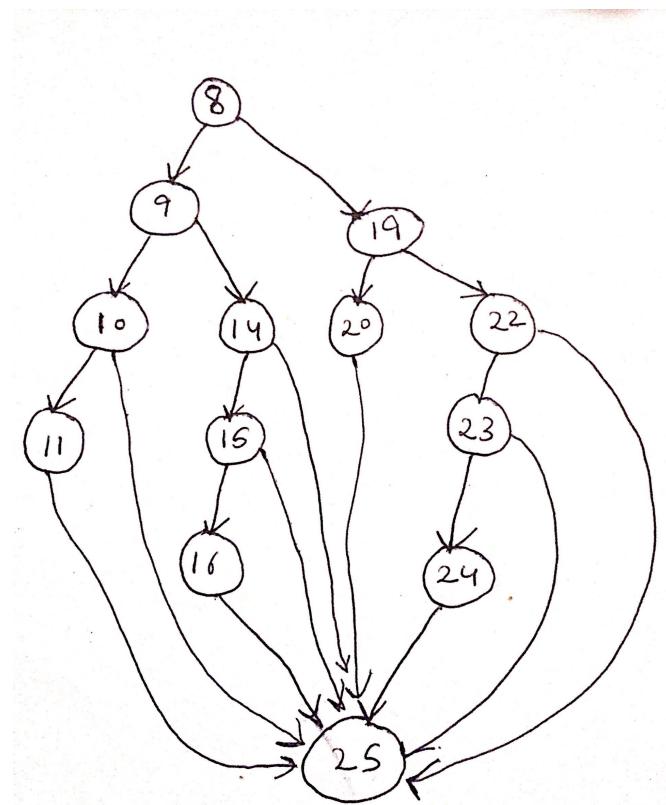
5. Code coverage achieved is decision coverage, statement coverage, full boundary value coverage, extreme range coverage.

6. Test cases support the description.

2)

1.

2.



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CamScanner

3. Cyclomatic complexity is 9.

4.

Test Case Number	Inputs			Exp Output	Basis Path
	cart	creditRating	status		
1	5,000.0	700	member	TRUE	8-9-10-11-25
2	500.0	700	non member	TRUE	8-19-20-25
3	2,500.1	751	member	TRUE	8-9-14-15-16-25
4	2,500.0	701	non member	TRUE	8-19-22-23-24-25
5	5,000.0	699	member	FALSE	8-9-10-25
6	2,500.0	699	member	FALSE	8-9-14-25
7	2,500.1	699	non member	FALSE	8-19-22-25
8	2,500.1	750	member	FALSE	8-9-14-15-25
9	2,500.0	700	non member	FALSE	8-19-22-23-25
10	4,999.9	700	member	FALSE	-
11	2,500.0	751	member	FALSE	-
12	2,500.1	701	non member	FALSE	-
13	500.1	700	member	FALSE	-
14	0.0	701	non member	TRUE	Extreme range cart
15	10,000.0	699	member	FALSE	Extreme range cart
16	5,000.0	0	member	FALSE	Extreme range creditRating
17	2,500.1	850	member	TRUE	Extreme range creditRating

5. Code coverage achieved is decision coverage, statement coverage, full boundary value coverage, extreme range coverage.

6. Test cases support the description.