SQA Assignment 3 Solution – Spring 2020

Problem 1

DEF –USE Table:

Variable	DEF	USE
op	2, 5	8, 11, 14, 17
1stNum	3, 7	9, 12, 15, 18
2ndNum	3, 7	9, 12, 15, 18

DU Path Table:

Variable	#	DU Path
operator	1	5-6-7-8
	2	5-6-7-8-11
	3	5-6-7-8-11-14
	4	5-6-7-8-11-14-17
firstNumber	1	7-8-9
	2	7-8-11-12
	3	7-8-11-14-15
	4	7-8-11-14-17-18
secondNumber	1	7-8-9
	2	7-8-11-12
	3	7-8-11-14-15
	4	7-8-11-14-17-18

Problem 2

DEF –USE Table:

Variable	DEF	USE
bread	4, 11	18
drink	5, 13	18
salad	6, 15	18
total	7, 18	19, 23, 24
money	8, 17, 24	19. 24. 26

DU Path Table:

Variable	#	DU Path
bread	1	11-12-13-14-15-16-17-18
drink	1	13-14-15-16-17-18
salad	1	15-16-17-18
total	1	18-19
	2	18-19-22-23
	3	18-19-22-23-24
money	1	17-18-19
	2	17-18-19-22-23-24
	3	24-25-26