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SQA 6716

Homework #3

DEF-USE table #1

var	def	use
pens	4,10	15,16,19
pencils	5,12	15,19
books	6,14	15,16
total	7,15	16,17,19,20,23
finalCost	8,17,20,23	26

DU path table

var	#	DU path
pens	1	10-11-12-13-14-15
pens	2	10-11-12-13-14-15-16
pens	3	10-11-12-13-14-15-16-19
pencils	1	12-13-14-15
pencils	2	12-13-14-15-19
books	1	14-15
books	2	14-15-16
total	1	15-16
total	2	15-16-17
total	3	15-16-19
total	4	15-16-19-20
total	5	15-16-19-23
finalCost	1	17-26
finalCost	2	17-20-26
finalCost	3	17-23-26

DEF-USE table #2

var	def	use
ip1	4,5,10,18	9,10,21,25
ip2	4,6,14,22	9,15,18,25
ip3	4,7,15,19	13,18,22,25
ip4	4,8,11,23	11,13,19,21,25

DU path table

var	#	DU path
ip1	1	5-9
ip1	2	5-9-10
ip1	3	5-9-10-18
ip1	4	5-9-10-18-21

		5	5-9-10-18-21-25
ip2		1	5-9
		2	5-9-14
		3	5-9-14-15
		4	5-9-15
		5	5-9-15-22
		6	5-9-15-22-25
		7	5-9-18
		8	5-9-18-22
		9	5-9-18-22-25
ip3		1	7-13
		2	7-13-15
		3	7-13-15-22
		4	7-13-15-22-25
		5	7-13-18
		6	7-13-18-19
		7	7-13-18-19-22
		8	7-13-18-19-22-25
ip4		1	8-9-10-11
		2	8-9-10-11-13
		3	8-9-10-11-13-21
		4	8-9-10-11-13-21-23
		5	8-9-10-11-13-21-23-25
		6	8-9-10-11-13-19
		7	8-9-10-11-13-19-21
		8	8-9-10-11-13-19-21-23
		9	8-9-10-11-13-19-21-23-25