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## STAT 480: Homework 7

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## PROBLEM 1

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Table 0.1: Input Buffer During Iteration 1

1	2	3	4	5	6	7	8	9	10	11	12	13...
S	m	i	t	h		1	0	0			9	O

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## PROBLEM 2

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Table 0.2: Program Data Vector Before Iteration 1

_N_	_ERROR_	student	g1	g2	avg
1	0		.	.	.

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## PROBLEM 3

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Table 0.3: Program Data Vector After Iteration 1

_N_	_ERROR_	student	g1	g2	avg
1	1	Smith	100	.	.

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## PROBLEM 4

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Table 0.4: Grades Dataset

student	g1	g2	avg
Smith	100	.	.

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## PROBLEM 5

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Table 0.5: Input Buffer During Iteration 2

1	2	3	4	5	6	7	8	9	10	11	12	13 ...
J	o	n	e	s			8	4			8	6

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## PROBLEM 6

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Table 0.6: Program Data Vector Before Iteration 2

_N_	_ERROR_	student	g1	g2	avg
2	0		.	.	.

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## PROBLEM 7

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Table 0.7: Program Data Vector After Iteration 2

_N_	_ERROR_	student	g1	g2	avg
2	0	Jones	84	86	85

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## PROBLEM 8

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The largest value N will take on is 5.

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## PROBLEM 9

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Table 0.8: Grades Dataset

student	g1	g2	avg
Smith	100	.	.
Jones	84	86	85
Black	95	75	85
White	90	.	.

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## PROBLEM 10

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No. There should be no warning or error messages. However, you should get notes for the invalid value for grade 2 in the first record because 90 is not a valid number. You should also get a warning about missing values for the calculations that have missing values (records 1 and 4).