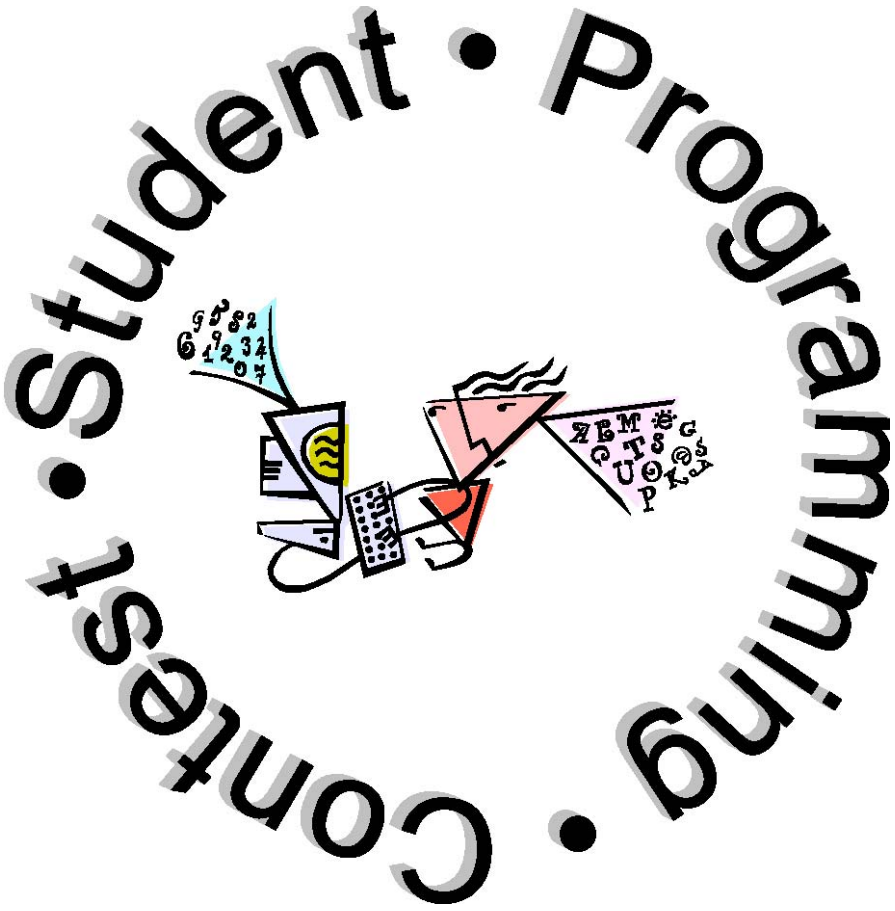
VICC 2004

The First Annual

Biostatistics Programming Contest

of the

VUMC



Friday, June 11, 2004

11:30 A.M. – 5:00 P.M.

Vanderbilt University
PROBLEM ONE

Radioactive Mice

The Problem

Dr. Hallahan is working with lab mice to determine the effectiveness of a new drug for treating cancer. The cancerous mice are in four groups: control, radiation, drug, and radiation plus drug. So far, he's been keeping up with how many mice die each day of the experiment.

This is all well and good, except the biostatisticians that perform analysis cannot use Dr. Hallahan's data format. What they need is a list of mice that includes an id, group id, and time to live. It is your job, as a computer systems analyst to write a program that reformats the doctor's data.

Each group will contain the same number of mice and the doctor will verify that all input files are formatted the same.

Sample Input

Your program should take its input from the file ***input.txt***. An example of input is shown below:

Day	C	D	R	RM
1	1	0	0	0
2	2	0	1	0
3	0	1	0	0
4	1	0	1	0
5		2	1	1
6		1	1	0
7				1
8				2

Sample Output

Your program should direct its output to the file ***data.txt***. Appropriate output for the sample input is shown below: **NOTE: Your output should look**

EXACTLY like what is displayed here!

id	grp	time
1	C	1
2	C	2
3	C	2
4	C	4
5	D	3
6	D	5
7	D	5
8	D	6
9	R	2
10	R	4
11	R	5
12	R	6
13	RD	5
14	RD	7
15	RD	8
16	RD	8