

- (20 pts) 17. The state Department of Education has a punched card for each high school in the state with the following layout:

<u>Card Columns</u>	<u>Description</u>
1-6	School identification number
7-29	School name
30-32	Number of teachers (XXX <sub>A</sub> )
33	Number of grades (3 or 4)
34-37	Female students enrolled (XXXX <sub>A</sub> )
38-41	Male students enrolled (XXXX <sub>A</sub> )
42-49	Total budget (XXXXXXXX <sub>A</sub> )

Prepare a program flow chart for a computer program that will print out a list of the names of the four-year schools with a total budget of less than 4 million dollars where the female students outnumber the males. After printing this list print the average number of teachers in the 4-year schools with a total budget of less than 4 million dollars and the percent of the four-year schools with a budget of less than 4 million dollars that have more female than male students.

The end-of-data card has a negative number in columns 1-6. Define the variable names you use.