

- (5 pts) b) Describe the test data cards that would be needed in order to debug this program.

- (15 pts) 24. The Allcity Insurance Company maintains a punched card for each homeowner's insurance policy containing the following data:

<u>Card Columns</u>	<u>Description</u>
1-12	Policy number
13-14	Coverage code (58 different codes)
15-18	Location code (500 different codes)
19-20	Year policy first established
21-22	Type of construction code (38 codes)
23-25	Age of building
26-31	Amount of Insurance (XXXXXX [^])
32-37	Yearly premium (XXXX [^] XX)

We wish to use these cards to prepare the following reports:

YEARLY PREMIUM BY AGE OF BUILDING
 YEARLY PREMIUM BY LOCATION

Prepare a system flow chart (using standard symbols and conventions) for a system to prepare the above reports, using sorting to organize the data. You may assume that the cards have been punched and are available in off-line storage. (See following page.)