Quiz # 5 NAME:

A computer used by a 24-hour banking service is supposed to randomly assign each transaction to one of 5 memory locations. A check at the end of a day's transactions gave the counts shown in the table to each of the 5 memory locations, along with the number of reported errors.

Memory Location:	1	2	3	4	5
Number of Transactions:	82	100	74	92	102
Number of Reported Errors	11	12	6	9	10

- a. The bank manager wanted to test whether the proportion of errors in transactions assigned to each of the 5 memory locations differ. Do the test and write your conclusion using 1% level of significance by answering the following questions.
- 1. Null Hypothesis: H_{\circ} : Alternative Hypothesis: H_{1} :
- 2. Value of the Test Statistic:

- 3. Rejection region and Critical value.
- 4. Decision
- 5. Conclusion
- b. What is Marascuilo procedure used for?
- c. Is the Marascuilo procedure needed for this question? Reason?