14. In this problem you will be concerned with portions of a program to produce a report entitled Sales by Salesman using a table to accumulate the report without sorting the input cards.

(9 pts)

a) In the initialization part of this program we will establish a table consisting of the arrays ISM and TSLS. ISM will be read from a deck of table cards in which the salesman numbers are punched in columns 1-4. This deck is preceded by a parameter card containing the number N < 300 of cards in the salesman number deck punched in columns 1-3. Write all the FORTRAN statements required to begin this program, to read the table cards and establish the array ISM and to initialize the array TSLS to zero.

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(7 pts)

b) In the main loop of this program we take the salesman number NSM and sales amount S from an input card and use a table look-up on equal to find the salesman number in the array ISM and add S to the proper element of the array TSLS. If the salesman number NSM is not in the array ISM, stop. Assuming that part a) above has been completed and the data card has been read to obtain NSM and S, write the FORTRAN statements to perform the table look-up and other operations described above.

