UNIVERSITY OF ILLINOIS

DIGITAL COMPUTER

AUX.
LIBRARY ROUTINE X-11 208

TITLE — Data Tape Checking forLibrary Routines K-2 (135) and K-9 (190)

TYPE — Entire program

DURATION — 4sk milliseconds plus any stops for errors.

s = sample size

k = number of characters per row.

METHOD OF USE — Tapes are prepared as for K-2(135) with a J added as the final character on the tape following the last N.

The program is read in and the data tape is inserted. Use the black switch to start and be certain the tape is clear, as it reads in at maximum reader speed.

If the number of variables in a row is different from the specification, the machine stops on FF. Instruct the operator to mark the tape at the point where it stopped and to use the white switch to resume reading. At the end of the tape the program punches three carriage returns, a five digit sexadecimal number representing the count of number of samples (if different from the specification) followed by two carriage returns. If the count of number of samples agrees with the specification nothing is punched on the output tape.

Use of the white switch will prepare the routine for a second data tape.

NOTES — This routine counts the number of signs between terminating symbols and compares with the specification. It also counts the number of terminating symbols and compares with the specification.

DATE May 16, 1956

PROGRAMMED BY W. C. Jacob

APPROVED BY J. H. Nash

WCJ/mge

LOCATION	ORDER		NOTES PAGE 1
	00 10K		
0	41 6F		
	41 9F		
1	41 8F		
	41 7F		
2	81 4F		Read in parameters
	L0 27L		
3	32 6L		
	L4 27L		
4	50 7F		
	74 27L		
5	S5 F		
	40 7F		
6	26 2L		
	42 7L		
7	L5 7F		
	40 ( )F	by 6	
8	F5 6F		
	40 6F		
9	L0 28L		
	32 1L		
10	20 10L		
	41 6F		
11	81 4F		Read in data.
	L0 27L		
12	36 13L		
	26 11L		
13	L0 29L		Is it N?
	32 15L		
14	F5 6F		
	40 6F		Count signs
15	26 11L		
	L0 30L		Is it J?

LOCATION	ORDER	NOTES PAGE 2
16	36 21L	
	F5 8F	Count N's
17	40 8F	
	L5 6F	
18	L0 2F	
	40 9F	Test number of signs.
19	L3 9F	
	32 20L	
20	FF F	Stop if not 0
	22 10L	
21	L5 8F	
	L0 1F	
22	40 9F	
	L3 9F	Test number of N's.
23	36 26L	
	92 139F	
24	L5 8F	
	00 20F	
25	82 20F	
	92 135F	
26	0F F	
	24 L	
27	00 F	a
	00 10F	
28	80 F	b
	00 4F	
29	00 F	c
	00 2F	
30	00 F	d
	00 1F	
	24 10N	