TITLE	Product Moment Correlations, Means, Standard Deviations, Variances and Covariances in Logarithmic Scale
TYPE	Entire program
DURATION	Same as K 2 - 135 plus 16SN milliseconds for computing logarithms. This program is K 2 - 135 with Library Routine S 1 - 42 added plus a short section to compute $\log_{10}$ from $\log_e$. The routine computes the $\log_{10}$ of each number as it is read in and all further computations are done in logarithms. This is useful in many cases where a linear relation between variables exists in a logarithm scale only. The print out is not changed from K 2 - 135.
CAPACITY	Only 35 variables can be handled in this program but any number of observations is possible.
PUNCHING TAPES	Same as K 2 - 135. K 2 is in the obsolete code library and may be obtained from the secretary in the Teletype Room.
NOTES	The program is the same as K 2 - 135 with the following changes and additions.

LOCATION	ORDER	NOTES
		CHANGES IN K 2 - 135
	Routine X 1 - 18	Decimal Order Input
	00 10K	
26	40 263F	
	50 26L	
128	00 263F	
	00 263F	
133	N1 3F	
	41 1024F	
	00 175K	
1	L4 4L	
	42 215F	
11	L0 23L	
	36 205F	
		ADDITIONS
	00 205K	
0	L5 138F	
	42 1L	
1	42 5L	
	L5 ( )F	
2	22 2L	
	50 2L	
3	26 217F	Compute natural log
	40 F	
4	50 F	
	7J 11L	Convert to $\log_{10}$
5	22 5L	
	40 ( )F	
6	F5 1L	
	42 1L	

LOCATION	ORDER		NOTES
7	42 5L		
	F5 1023F		
8	40 1023F		
	LO 141F		
9	32 1L		
	41 1023F		
10	41 3F		
	22 ( )F	by 176F	
11	00 F		
	00 1389 7423 4208 J		
	00 217K		
	Routine S 1 - 42		