



ORDER OF OPERATIONS

1. When the initiating pulse button is pushed, accumulators 6 and 7 receive from the constant transmitter the digit 1 in units place.
2. The master programmer determines whether to continue or to terminate the computation.
3. Accumulator 6 transmits its contents twice and accumulator 7 receives twice so that when this operation is completed, accumulator 6 holds the No. 1 and accumulator 7 holds the No. 3.
4. Accumulators 6 and 7 each receive 1 unit from the constant transmitter so that, as a result of this operation, accumulator 6 holds the No. 2 and accumulator 7 holds the No. 4.
5. 6., 7., Repeat items 2., 3., 4., respectively, etc.

SCHEMATIC DIAGRAM OF PROGRAM SEQUENCE FOR GENERATING n , n^2 , for $1 \leq n \leq 1000$

Figure 1-1

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