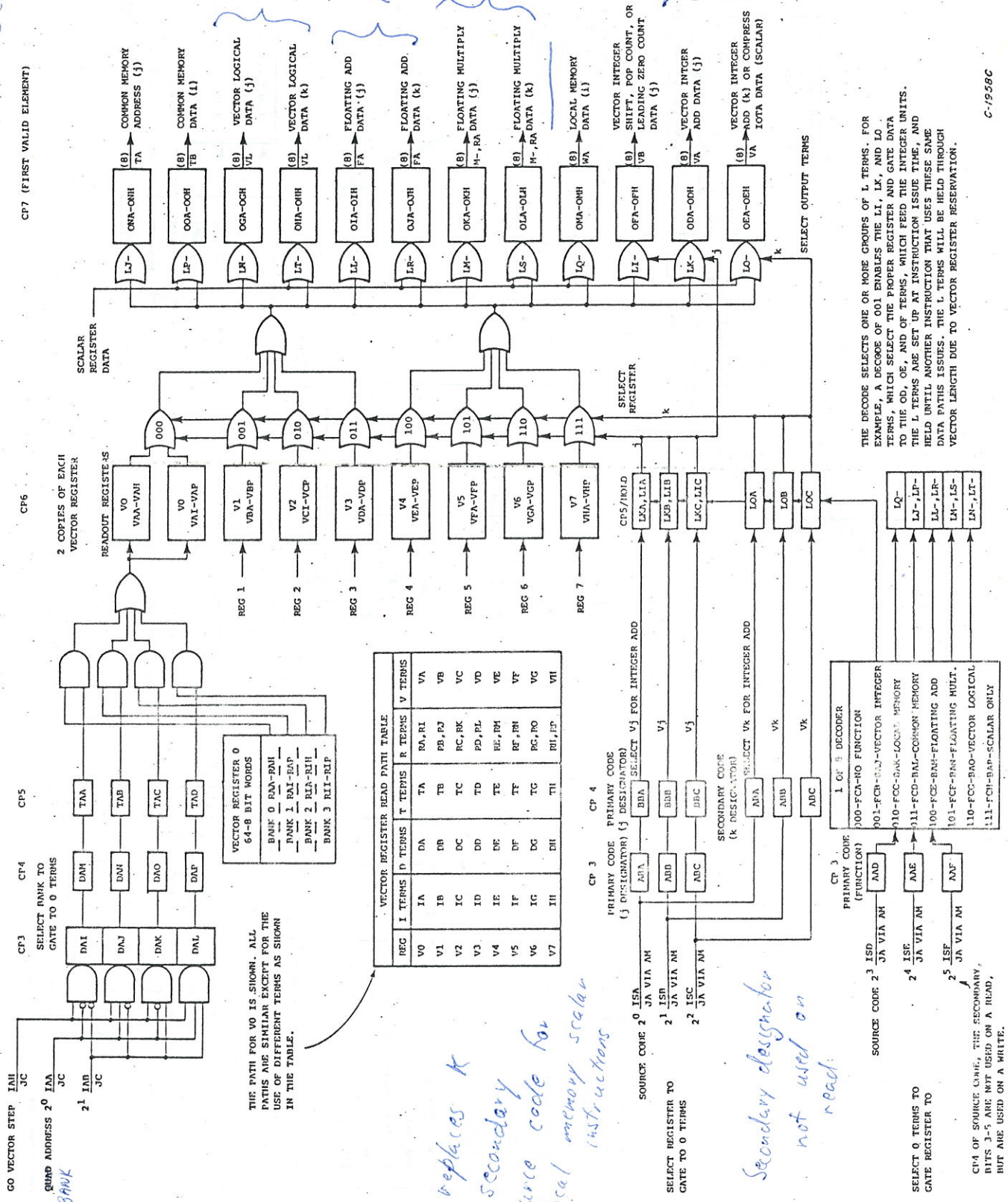


K path shared
with scalars



THE DECODE SELECTS ONE OR MORE GROUPS OF L TERMS, FOR EXAMPLE, $0 \leq i \leq 15$, $0 \leq j \leq 15$, AND $0 \leq k \leq 15$. THE DECODE SELECTS THE PROPER REGISTER AND GATE DATA TERMS, WHICH SELECT THE PROPER REGISTER AND GATE DATA TO THE OP, OR, AND OF TERMS, WHICH FEED THE INTEGER UNITS. THE L TERMS ARE SET UP AT INSTRUCTION ISSUE TIME, AND HELD UNTIL ANOTHER INSTRUCTION THAT USES THESE SAME DATA PATHS ISSUES. THE L TERMS WILL BE HELD THROUGH VECTOR LENGTH USED TO VECTOR REGISTER RESERVATION.

C-1958C

VR MODULE VECTOR REGISTER DATA FLOW