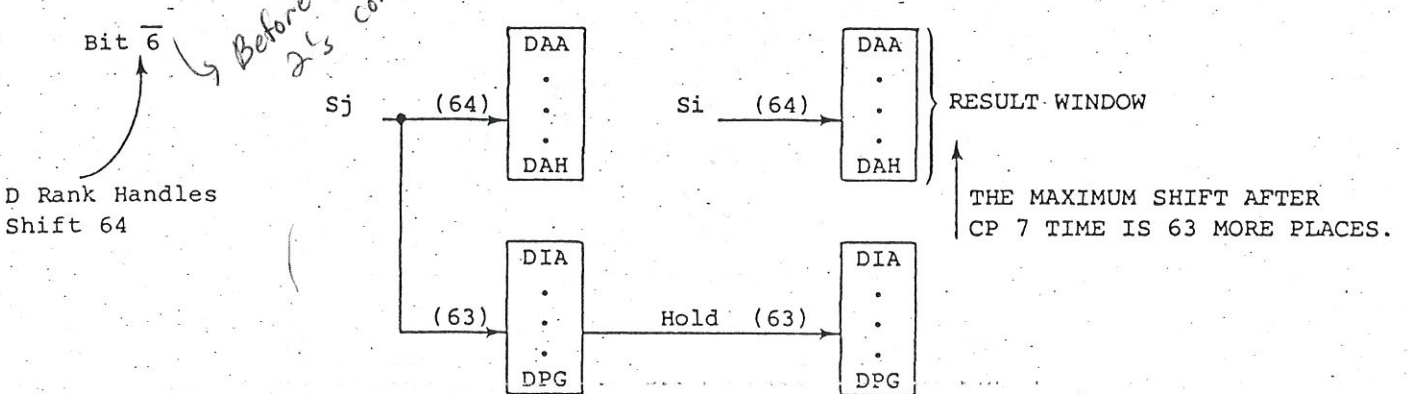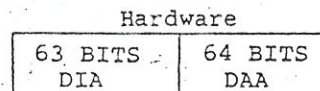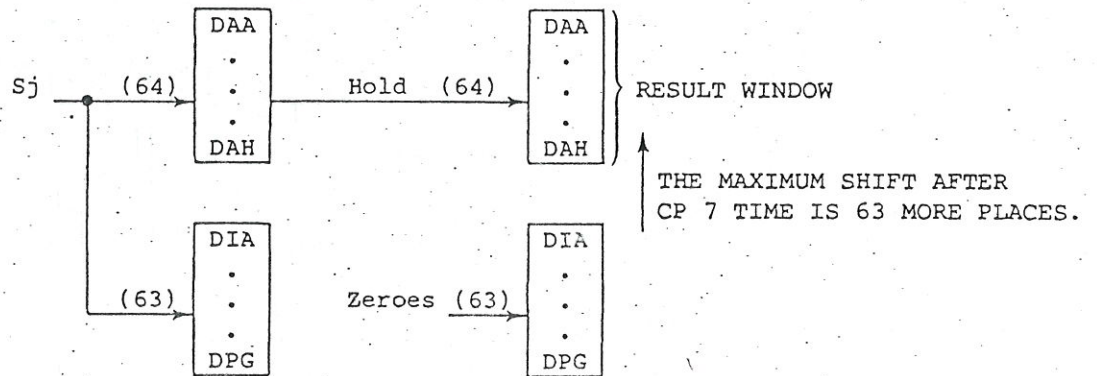GB MODULE D RANK DATA SET-UP

113ijk enter Si with Sj, Si shift right Ak

Ak Shift Data

Before 2's complement

Bit $\overline{6}$

D Rank Handles
Shift 64

SHIFT OF 64 IS TAKEN CARE
OF AT THIS POINT

CP6   CP7

Sj ── (64) ──→ ┌─────┐   Si ── (64) ──→ ┌─────┐ ⎫
               │ DAA │   │ DAA │ │
               │ . │   │ . │ ⎬ RESULT WINDOW
               │ . │   │ . │ │
               │ DAH │   │ DAH │ ⎭
               └─────┘   └─────┘
                                                        THE MAXIMUM SHIFT AFTER
    ── (63) ──→ ┌─────┐   Hold ── (63) ──→ ┌─────┐   CP 7 TIME IS 63 MORE PLACES.
               │ DIA │   │ DIA │
               │ . │   │ . │
               │ . │   │ . │
               │ DPG │   │ DPG │
               └─────┘   └─────┘

Bit 6

Sj ── (64) ──→ ┌─────┐   Hold ── (64) ──→ ┌─────┐ ⎫
               │ DAA │   │ DAA │ │
               │ . │   │ . │ ⎬ RESULT WINDOW
               │ . │   │ . │ │
               │ DAH │   │ DAH │ ⎭
               └─────┘   └─────┘
                                                        THE MAXIMUM SHIFT AFTER
    ── (63) ──→ ┌─────┐   Zeroes ── (63) ──→ ┌─────┐   CP 7 TIME IS 63 MORE PLACES.
               │ DIA │   │ DIA │
               │ . │   │ . │
               │ DPG │   │ DPG │
               └─────┘   └─────┘

Hardware

63 BITS DIA	64 BITS DAA

RESULT WINDOW

A-2056A

5   C0001S0203