

| L_DEC      |    |     |    |    |    |    |  |
|------------|----|-----|----|----|----|----|--|
| i_rtryReg  | FP | FLG | +3 | +6 | +9 |    |  |
|            | G0 | G1  | G2 | SP | PC | MM |  |
| 00H(G0)    | 1  | 0   | 0  | 0  | 0  | 0  |  |
| 01H(G1)    | 0  | 1   | 0  | 0  | 0  | 0  |  |
| 02H(G2)    | 0  | 0   | 1  | 0  | 0  | 0  |  |
| 03H(G3)    | 1  | 0   | 0  | 1  | 0  | 0  |  |
| 04H(G4)    | 0  | 1   | 0  | 1  | 0  | 0  |  |
| 05H(G5)    | 0  | 0   | 1  | 1  | 0  | 0  |  |
| 06H(G6)    | 1  | 0   | 0  | 0  | 1  | 0  |  |
| 07H(G7)    | 0  | 1   | 0  | 0  | 1  | 0  |  |
| 08H(G8)    | 0  | 0   | 1  | 0  | 1  | 0  |  |
| 09H(G9)    | 1  | 0   | 0  | 0  | 0  | 1  |  |
| 0AH(G10)   | 0  | 1   | 0  | 0  | 0  | 1  |  |
| 0BH(G11)   | 0  | 0   | 1  | 0  | 0  | 1  |  |
| 0CH(FP)    | 1  | 0   | 0  | 1  | 1  | 1  |  |
| 0DH(SP)    | 0  | 0   | 0  | 1  | 0  | 0  |  |
| 0EH(PC)    | 0  | 0   | 0  | 0  | 1  | 0  |  |
| 0FH(FLAGS) | 0  | 0   | 1  | 1  | 1  | 1  |  |
| 10H(Mem.D) | 0  | 0   | 0  | 0  | 0  | 1  |  |
| 1XH(Mem.A) | 1  | 1   | 1  | 1  | 1  | 1  |  |

| F_DEC |   |   |   |   |   |   |                |
|-------|---|---|---|---|---|---|----------------|
| POS   | 4 | 3 | 2 | 1 | 0 | w | i_func         |
| 0     | X | X | X | X | 0 |   | 0H(Read Reg.)  |
| 0     | X | X | X | X | 1 |   | 1H(Write Reg.) |
| 1     | X | X | X | 0 | 0 |   | DH(Read Mem.)  |
| 1     | X | X | X | 0 | 1 |   | EH(Write Mem.) |
| 1     | X | X | X | 1 | X |   | FH(Read Addr.) |

