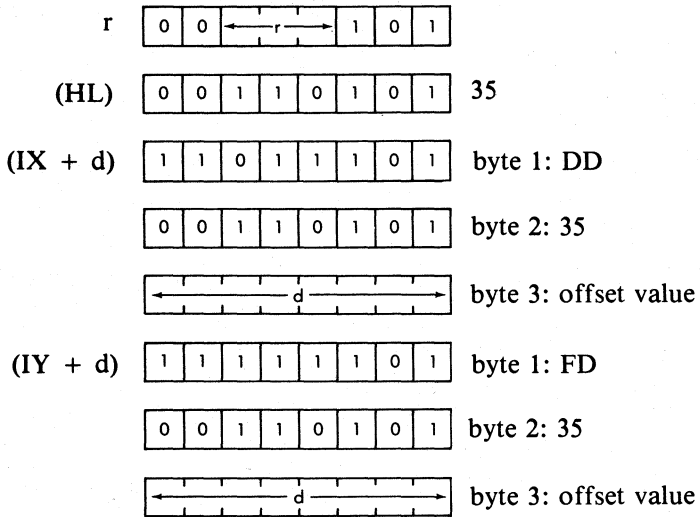


PROGRAMMING THE Z80

DEC m Decrement operand m.

Function: $m \leftarrow m - 1$

Format: m: may be r, (HL), (IX+d), (IY+d)

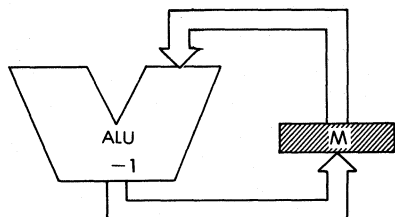
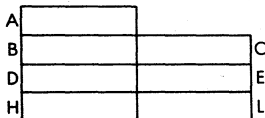


r may be any one of:

- | | |
|---------|---------|
| A - 111 | E - 011 |
| B - 000 | H - 100 |
| C - 001 | L - 101 |
| D - 010 | |

Description: The contents of the location addressed by the specific operand are decremented and stored back at that location. m is defined in the description of the similar INC instructions.

Data Flow:



THE Z80 INSTRUCTION SET

Timing:

m:	<i>M cycles:</i>	<i>T states:</i>	<i>usec @ 2 MHz:</i>
r	1	4	2
(HL)	3	11	5.5
(IX + d)	6	23	11.5
(IY + d)	6	23	11.5

Addressing Mode: r: implicit; (HL): indirect; (IX + d), (IY + d): indexed.

Byte Codes:

DEC r

r:

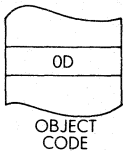
A	B	C	D	E	H	L
3D	05	0D	15	1D	25	2D

Flags:

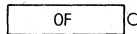
S	Z		H	P/V	N	C
●	●	□	●	●	1	□

Example:

DEC C



Before:



After:

