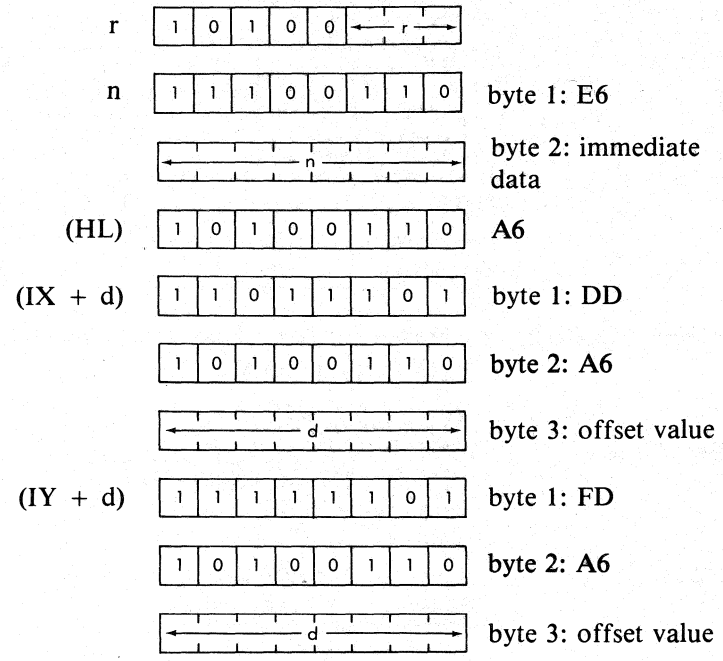
AND s Logical AND accumulator with operand s.

Function: A ← A ∧ s

Format: *s:* may be r, n, (HL), (IX + d), or (IY + d)

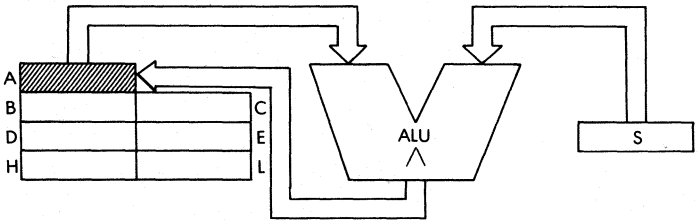


r may be any one of:

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

Description: The accumulator and the specified operand are logically 'and'ed and the result is stored in the accumulator. s is defined in the description of the similar ADD instructions.

Data Flow:

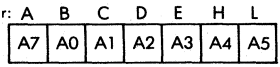


Timing:

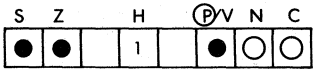
s:	*M cycles:*	*T states:*	*usec @ 2 MHz:*
r	1	4	2
n	2	7	3.5
(HL)	2	7	3.5
(IX + d)	5	19	9.5
(IY + d)	5	19	9.5

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

Byte Codes: AND r



Flags:



Example: AND 4B

Before: After: