

Arithmetic Instructions

A Closer Look

ADD

MOV A, R4

ADD A, R5

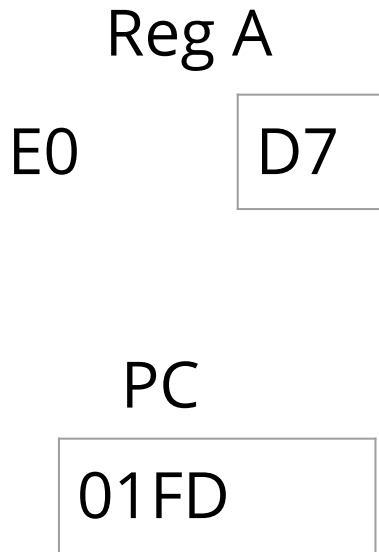
MOV 30H, A

MOV A, R4

Program

0200	
01FF	30
01FE	F5
01FD	2D
01FC	EC

PSW							
CY	AC	F0	RS1	RS0	OV	-	P
D0							
			0	0			



Data

30	
2F	
06	
05	9E
04	D7

ADD A, R5

Program

0200	
01FF	30
01FE	F5
01FD	2D
01FC	EC

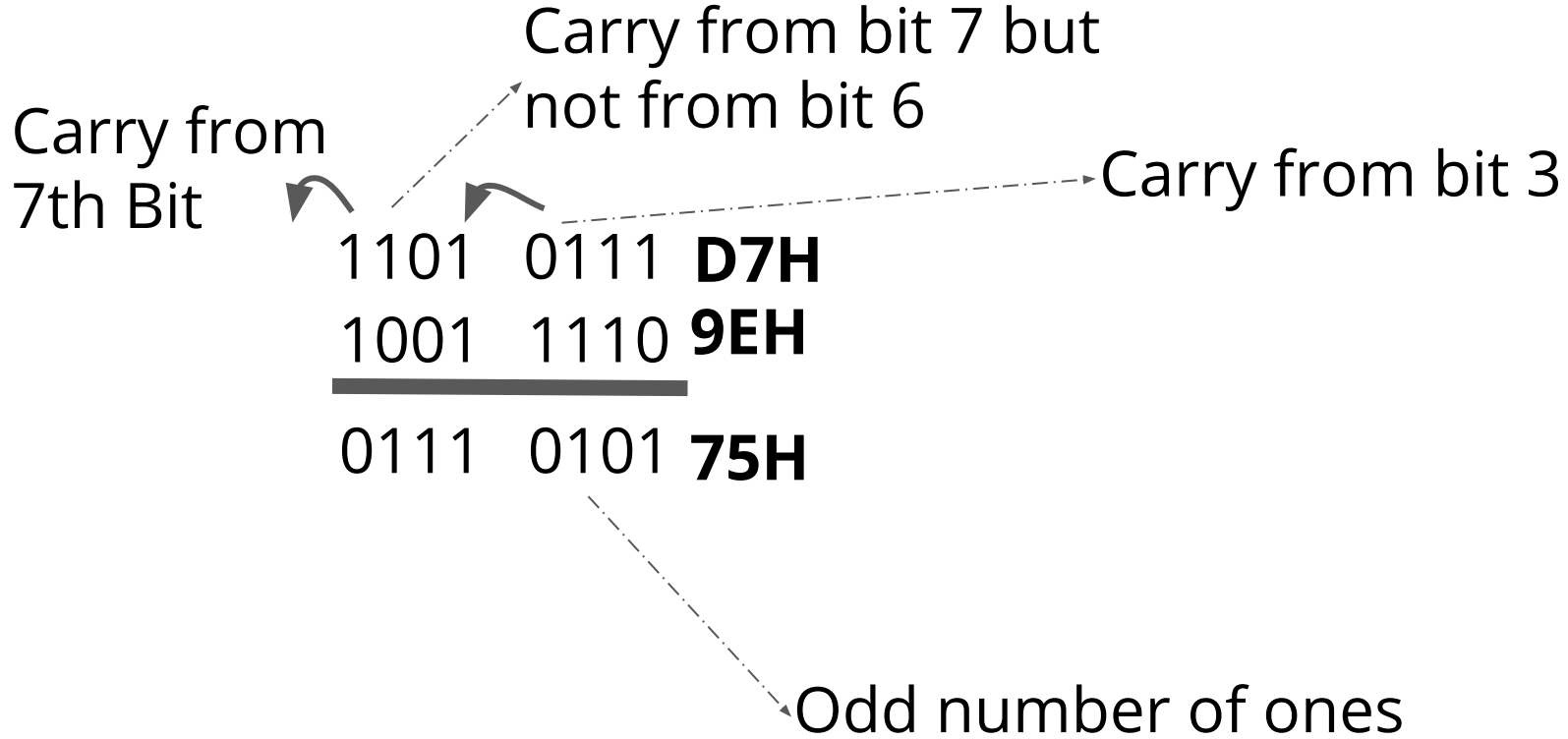
PSW							
CY	AC	F0	RS1	RS0	OV	-	P
D0	1	1		0	0	1	1

Reg A	
E0	75

PC	
	01FE

Data

30	
2F	
06	
05	9E
04	D7



MOV 30H, A

Program	
0200	
01FF	30
01FE	F5
01FD	2D
01FC	EC

Reg A	
E0	75
PC	
0200	

PSW

	CY	AC	F0	RS1	RS0	OV	-	P
D0	1	1		0	0	1		1

Data	
30	75
2F	
06	
05	9E
04	D7

ADD

MOV A, R4

ADD A, R5

MOV 30H, A