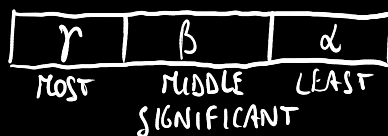
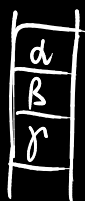
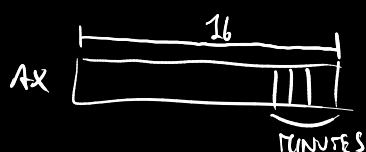


13/11/13
9/12/13

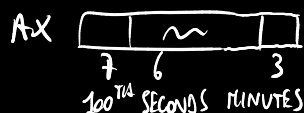


EXTRACT MINUTES:



MOV BL, AL
AND BL, 0000111B

EXTRACT SECONDS:

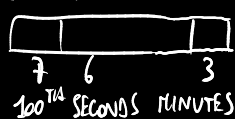


MOV CX, AX
AND CX, 0000000111111000B CX [00...0 ~ 000]

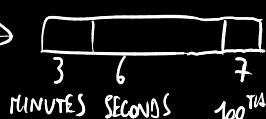
SHR CX, 3; WE HAVE SECONDS IN CL
OR

SHL CX, 5; WE HAVE SECONDS IN CH

OTHER APPROACH:



SWAP



7	6	3		7	6	3	
100 th SECONDS		MINUTES		MINUTES	SECONDS	100 th	
#6	4	39	22	100	100111	~	
#1	4	38	97	100	100110	~	
#7	3	59	99	011	111011	~	

TRICK

WITHOUT FIELDS!

1 COMPARE BIT BY BIT
FROM LEFT TO RIGHT
BY USING BUBBLE SORT

NOT REQUESTED THING
WRITTEN BY MYSELF:

```
MOV BX, 0
outerloop:
MOV DI, BX
MOV SI, BX
INC SI
innerloop:
MOV AX, TIMES[DI]
MOV BX, TIMES[SI]
CMP AX, BX
JL swap
continue:
INC DI
INC SI
CMP SI, N; N = number of athletes
JE innerloop
INC BX
CMP BX, N-1
JNE outerloop

swap:
MOV TIMES[DI], BX
MOV TIMES[SI], AX
JMP continue
```