1) ROR R2, R6 } He laws 2) LSR R2,#5 Work. RI= OX EFOODE 12 $R_2 = 0X456123F$ R6 = 28R1 # 8 Logical Shift left by 8 0001 0000 0000 0010 LSL RI#8 1101 1110 0001 100101 0000 0000 0000 DE1260

ASR RI, R5 RI = OXEFOODE12 R5= 4 positive operand ASR-> Arthmetic Shift Right by A places 0001 1110 1101 0000 0000 1101/1110 0001 1111/0000/0000 1110 ASR RI,4 £ 1 E

OX FEFOODE 1

Find -the content of -the distination register $R_5 = 0 \times 72340200$ MOV R3, R5, LSR #3 by 3 places logical shift left by 3 places 0000 0000 0011 | 0100 | 0000 | 0010 20101 0000 1110 0100 0110 1000 0000 0100 0000 6 E

 $R_3 = 0 \times 0 \times 468040$

Dass Work: MOV RG, RS, ASR RZ

A) WAT R_1, R_2 $R_1 < R_2 \longrightarrow R_{10} \leftarrow R_2$ $R_1 > R_2 \longrightarrow R_{10} \leftarrow R_1$ $R_1 = R_2 \longrightarrow R_{10} \leftarrow R_1 + R_2$

SUBS R3, R1, R2

ADD EQ R10, R1, R2

MOV HI R10, R1

MOV R10, R2

C-code

Result 5

Result 5

R1, R2, R2, LSL # 4

R1 = R2 + 2 R2

= R2 + 6R2

$$R_1 = 17R_2$$

© SUB Ro, Ro, Ro, LSL #2
$$Ro = Ro - 2 \cdot Ro$$

$$= Ro - 4Ro = -3Ro$$

Logical Instruction R3 -> OXOFF 00 FF 0 RY -> OXOFE OF AB8 1 EORS RI, R3, R4 Ro > OXO 2 ANDS R5, R3, RO which flags are getting offeted (1) XOR opiealis 0000 1111 1111 0000 0000 1000 R3 → 0000 1111 1111 1011 1111 1010 $R_4 \rightarrow 0000 1111$ 0000 1110 0100 1000 0101 1111 FORS → 0000 0000 0001 0000 0 010 548

