```
; Z is at R5+0, VAL is at R5 − 1, X is at R5 + 4, Y is at R5+5
; x > y ??   x − y > 0
LDR R0,R5,#4        ; copy X into R0
LDR R1,R5,#5        ; copy Y into R1
NOT R1,R1           ; negate Y
ADD R1,R1,#1
ADD R0,R0,R1        ; calculate X − Y
BRnz NOT_THEN     ; x <= y, so do not execute THEN code
; DIVIDE … DIVIDE R0 by R1, return quotient in R0
; MULT … MULT R0 by R1, return product in R0
```