

Division Register Usage

(IBM)

R0	R1
R2	R3
R4	R5
R8	R9
R14	R15

L R3, X
L R9, Y
DR R2,R9

Result

Remain: R2
Quotient: R3

Uses any EVEN:ODD register pair for quotient, remainder

(Intel)

RAX	RBX
RCX	RDY
R8	R9
R14	R15

MOV RAX, X
CQO
MOV RBX, Y
IDIV RBX

Result

Remain: RDY
quotient: RAX

Must use the RDY:RAX registers for quotient, remainder