RR <-0

RQ <- 0

IF S=1 OR FMIN=1

RR🡨 0

C🡨 3

S0

Start

RA🡨 Dividend

RB 🡨 Divisor

0

1

TRUE

C 🡨 C - 1

S2

S1

RR||RA 🡨 Shl RR || RA

C = 0

S1

False

Done

Q 🡸 RQ

R 🡸 RR

S3

S0

True

False

RR >= RB

RQ 🡨 Shl RQ|| 0

RQ 🡨 Shl RQ|| 1

RR 🡨 RR - RB