

S0

D

R1 <- D;

S1

R1

bitsToShift

R1 <- R1 << bitsToShift; (Sh1)

S2

1.882

32'b00000000000000000001\_111000011100101

R1

x

R2

2.823

32'b00000000000000000010\_110100101011000

R2 <- 1.882 x R1; (M1)  
R3 <- N;

S3

2.823 - R2

-

R2 xi0

R1

N

R3

bitsToShift

R2 <- 2.82 - R2; (Sub1)  
R3 <- R3 << bitsToShift; (Sh1)

S4

x

R4

R2

2

32'b00000000000000000010\_000000000000000

R4 <- R2 x R1; (M1)

S5

x

R4

x

R2

R4 <- R2 x R4; (M1)  
R2 <- 2 x R2; (M2)

S6

-

R2-R4

R2

R3

R3

R2 <- R2 - R4; (Sub1)

S7

x

R4

R4 <- R2 x R3; (M2)

S8

R0

R0 <- R4;