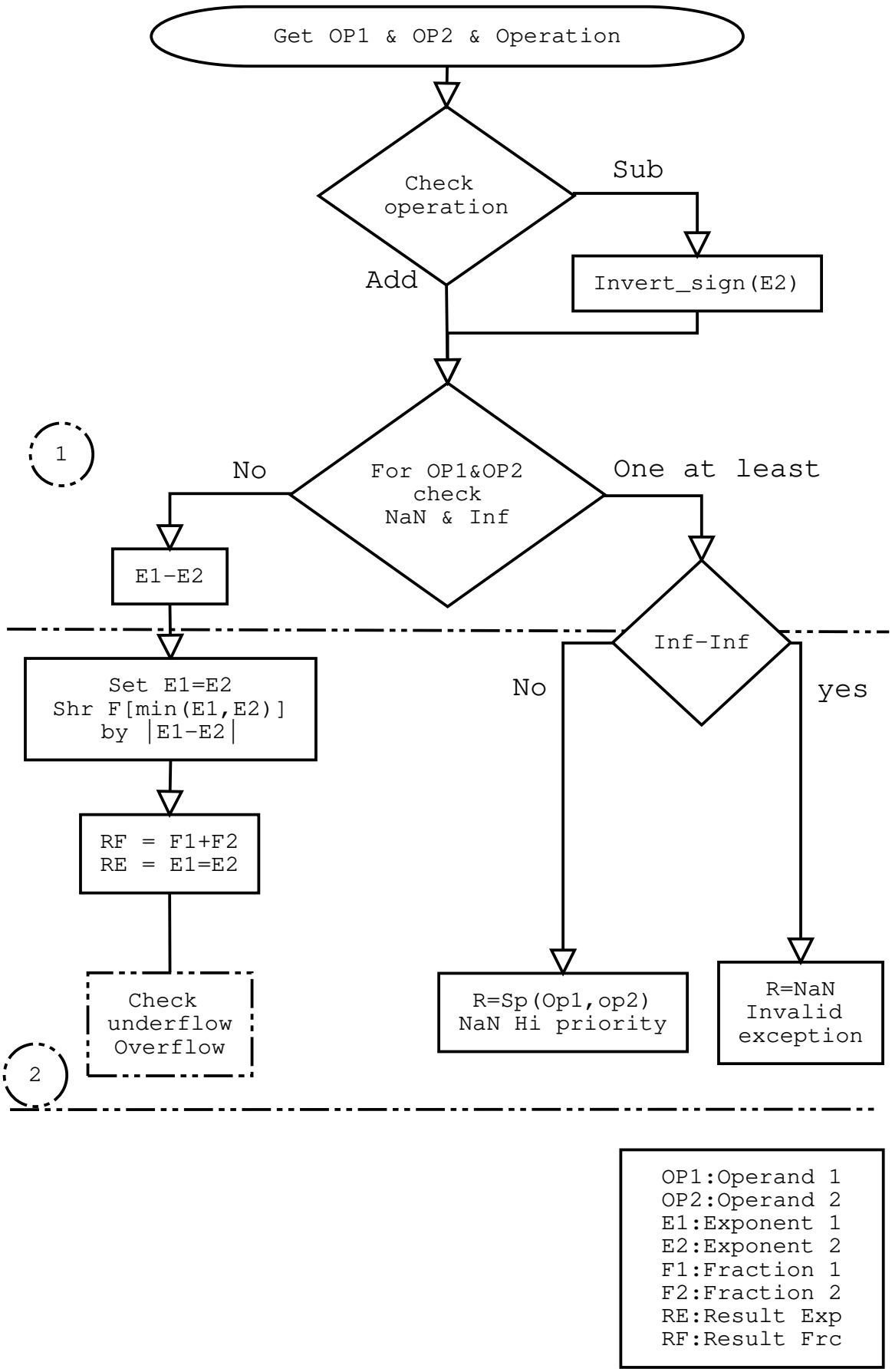
Get OP1 & OP2 & Operation
Check operation
Sub
Add
Invert_sign(E2)
1
No
For OP1&OP2 check NaN & Inf
One at least
E1-E2
Inf-Inf
Set E1=E2
Shr F[min(E1,E2)] by |E1-E2|
No
yes
RF = F1+F2
RE = E1=E2
Check underflow Overflow
R=Sp(Op1,op2) NaN Hi priority
R=NaN Invalid exception
2
OP1:Operand 1
OP2:Operand 2
E1:Exponent 1
E2:Exponent 2
F1:Fraction 1
F2:Fraction 2
RE:Result Exp
RF:Result Frc