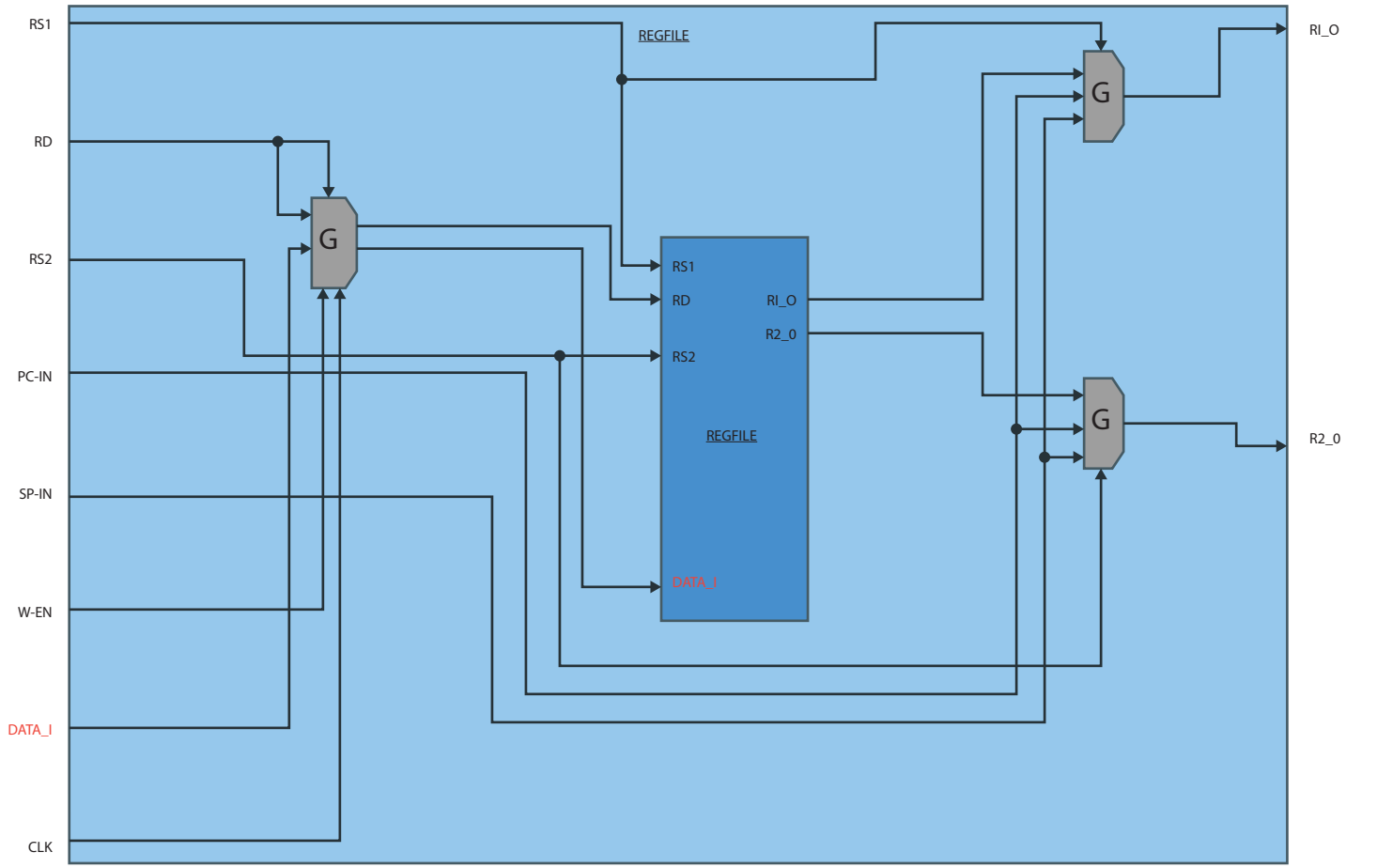
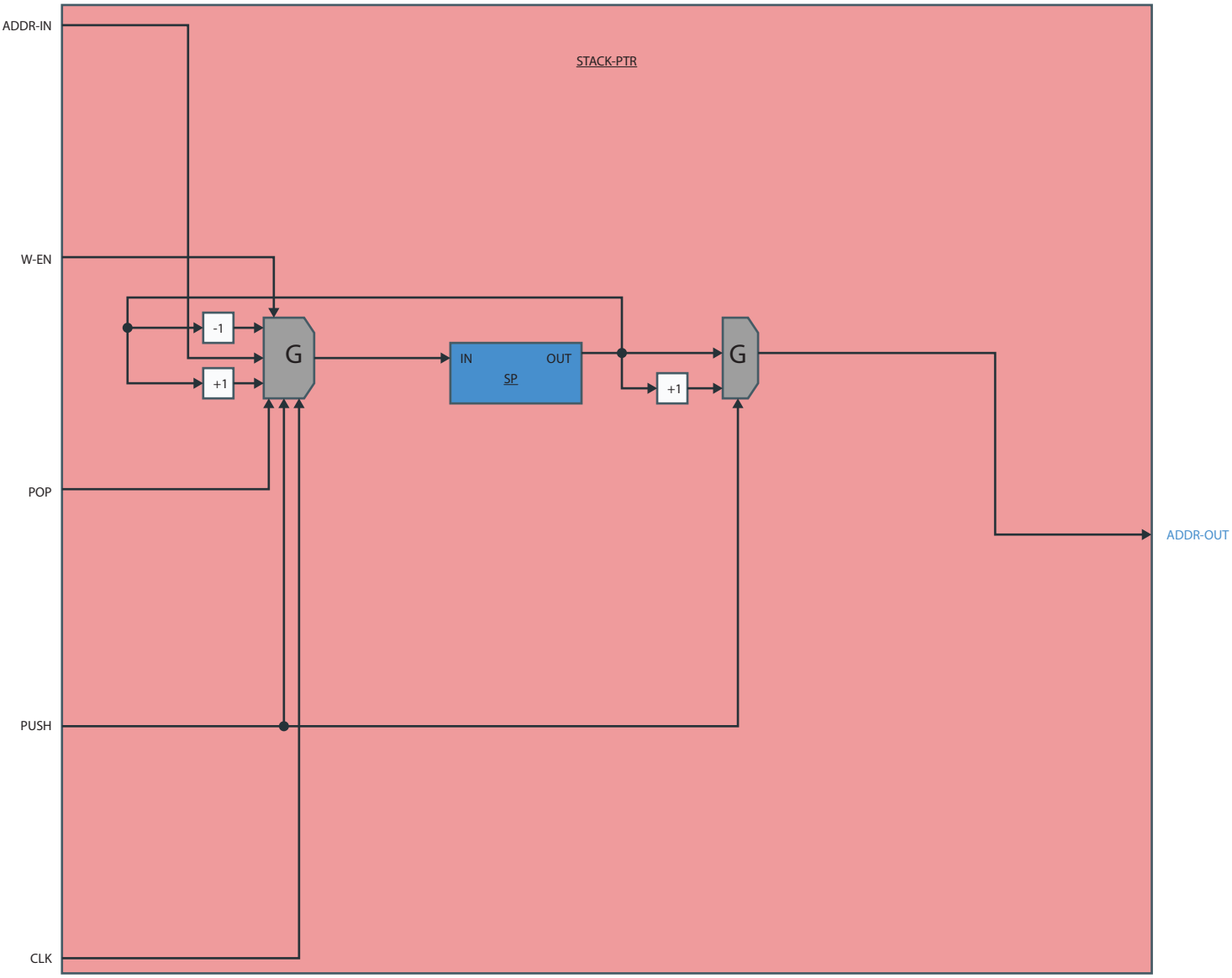

RS1
RD
RS2
PC-IN
SP-IN
W-EN
DATA_I
CLK
REGFILE
G
G
G
RS1
RD
RS2
RI_O
R2_0
REGFILE
DATA_I
RI_O
R2_0


ADDR-IN
W-EN
POP
PUSH
CLK
STACK-PTR
-1
+1
G
IN
OUT
SP
+1
G
ADDR-OUT