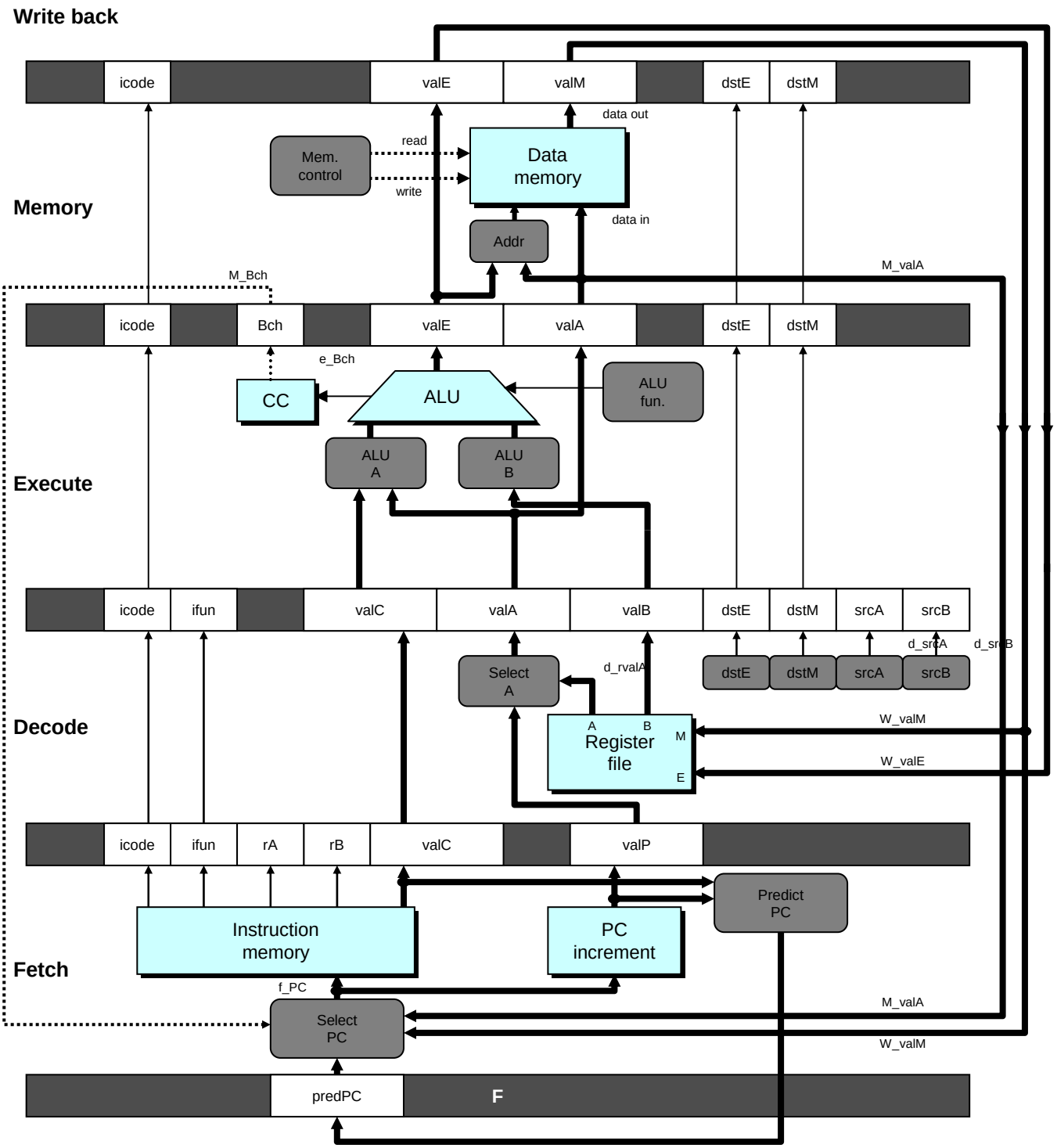
Write back
icode
valE
valM
dstE
dstM
data out
Mem.
control
read
write
Data
memory
Memory
data in
Addr
M_valA
M_Bch
icode
Bch
valE
valA
dstE
dstM
e_Bch
CC
ALU
ALU
fun.
ALU
A
ALU
B
Execute
icode
ifun
valC
valA
valB
dstE
dstM
srcA
srcB
d_srcA
d_srcB
Select
A
d_rvalA
dstE
dstM
srcA
srcB
Decode
A
B
Register
file
M
E
W_valM
W_valE
icode
ifun
rA
rB
valC
valP
Predict
PC
Instruction
memory
PC
increment
Fetch
f_PC
Select
PC
M_valA
W_valM
predPC
F