

Data Movement Instructions

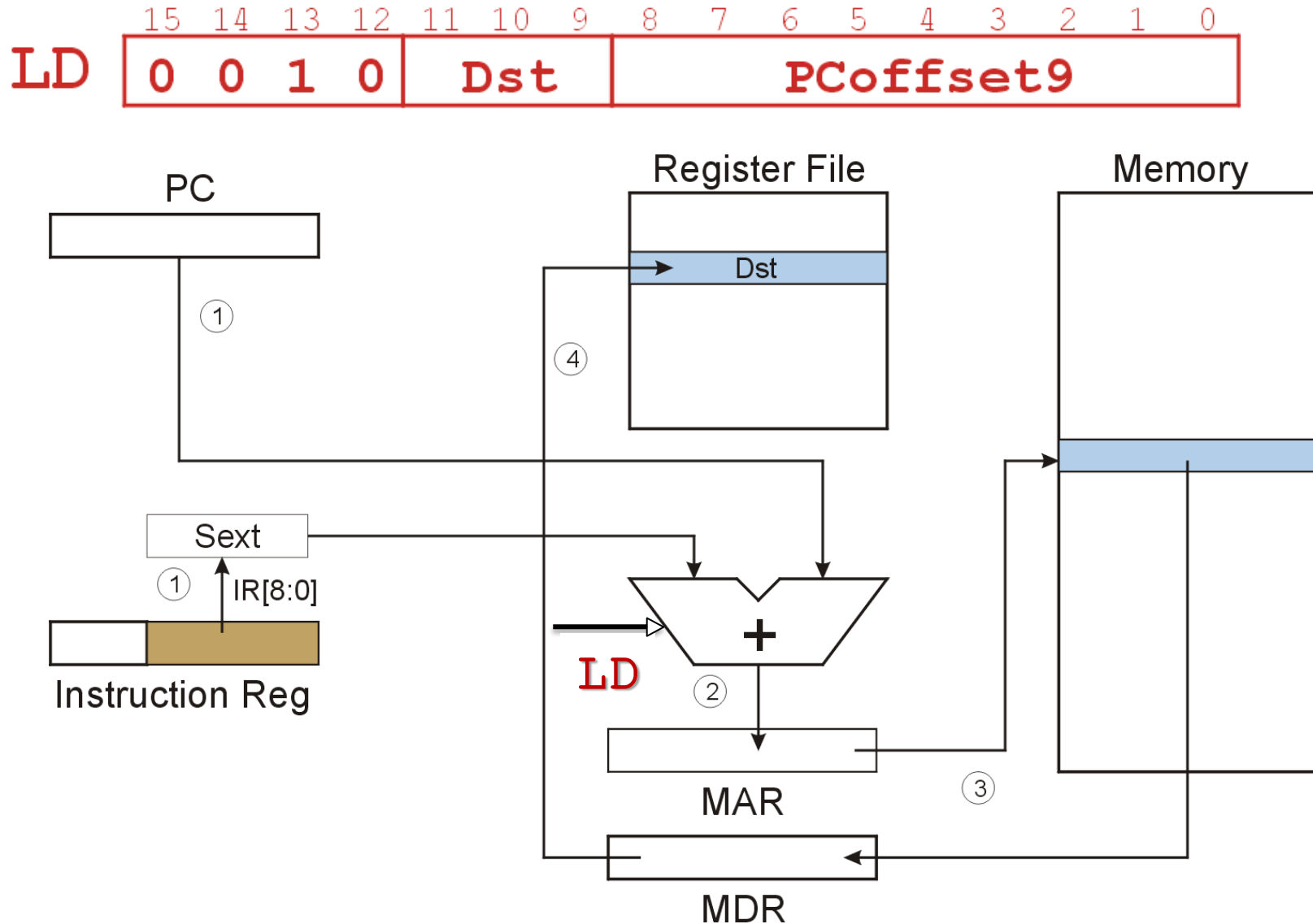
取数指令

	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
LD	0	0	1	0	DR			PCOffset9								
LDR	0	1	1	0	DR			BaseR		PCOffset6						
LDI	1	0	1	0	DR			PCOffset9								
LEA	1	1	1	0	DR			PCOffset9								

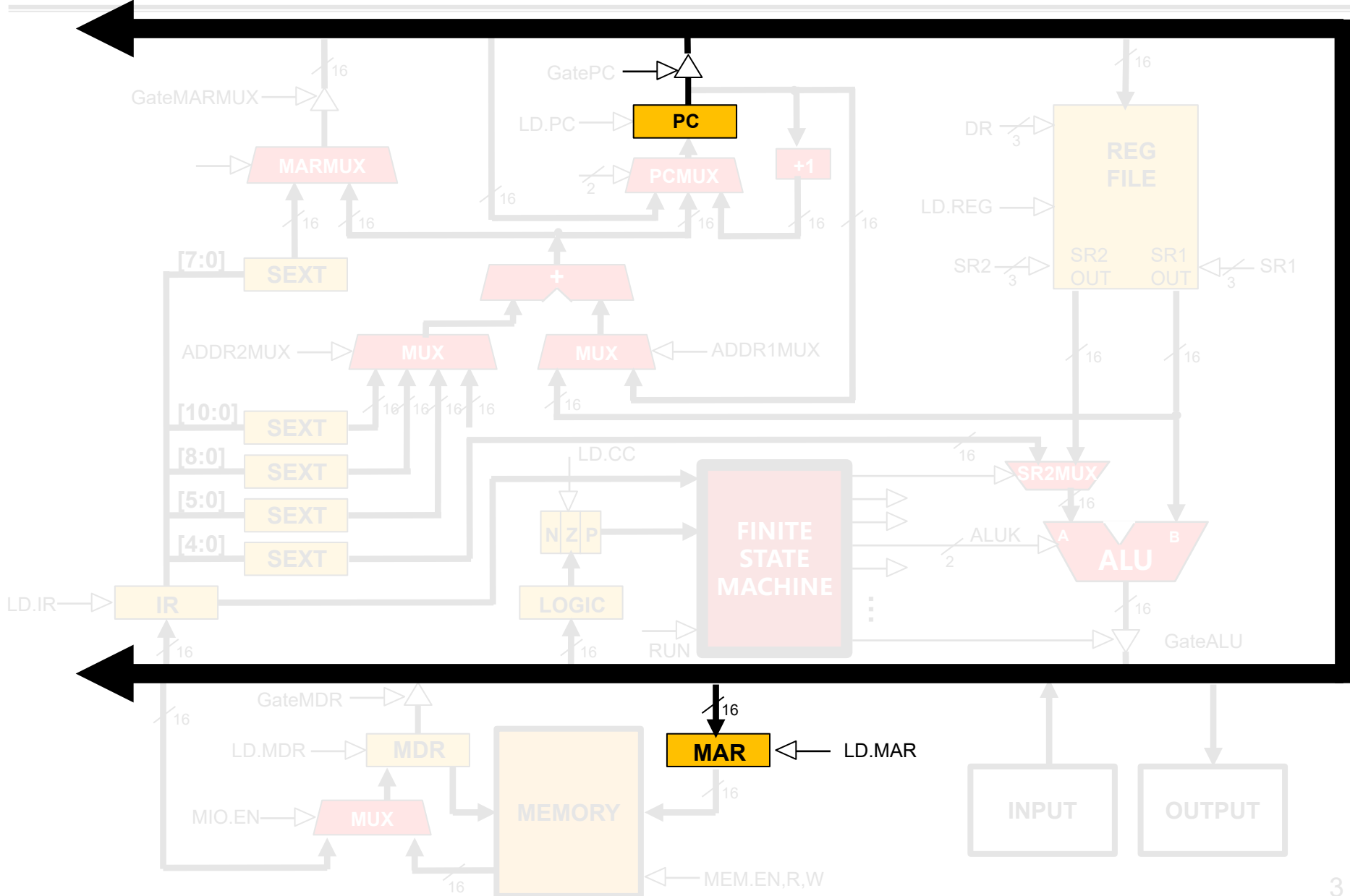
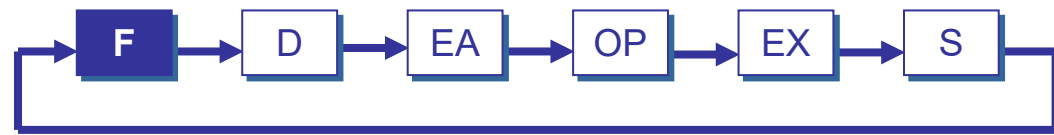
存数指令

	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ST	0	0	1	1	SR			PCOffset9								
STR	0	1	1	1	SR			BaseR		PCOffset6						
STI	1	0	1	1	SR			PCOffset9								

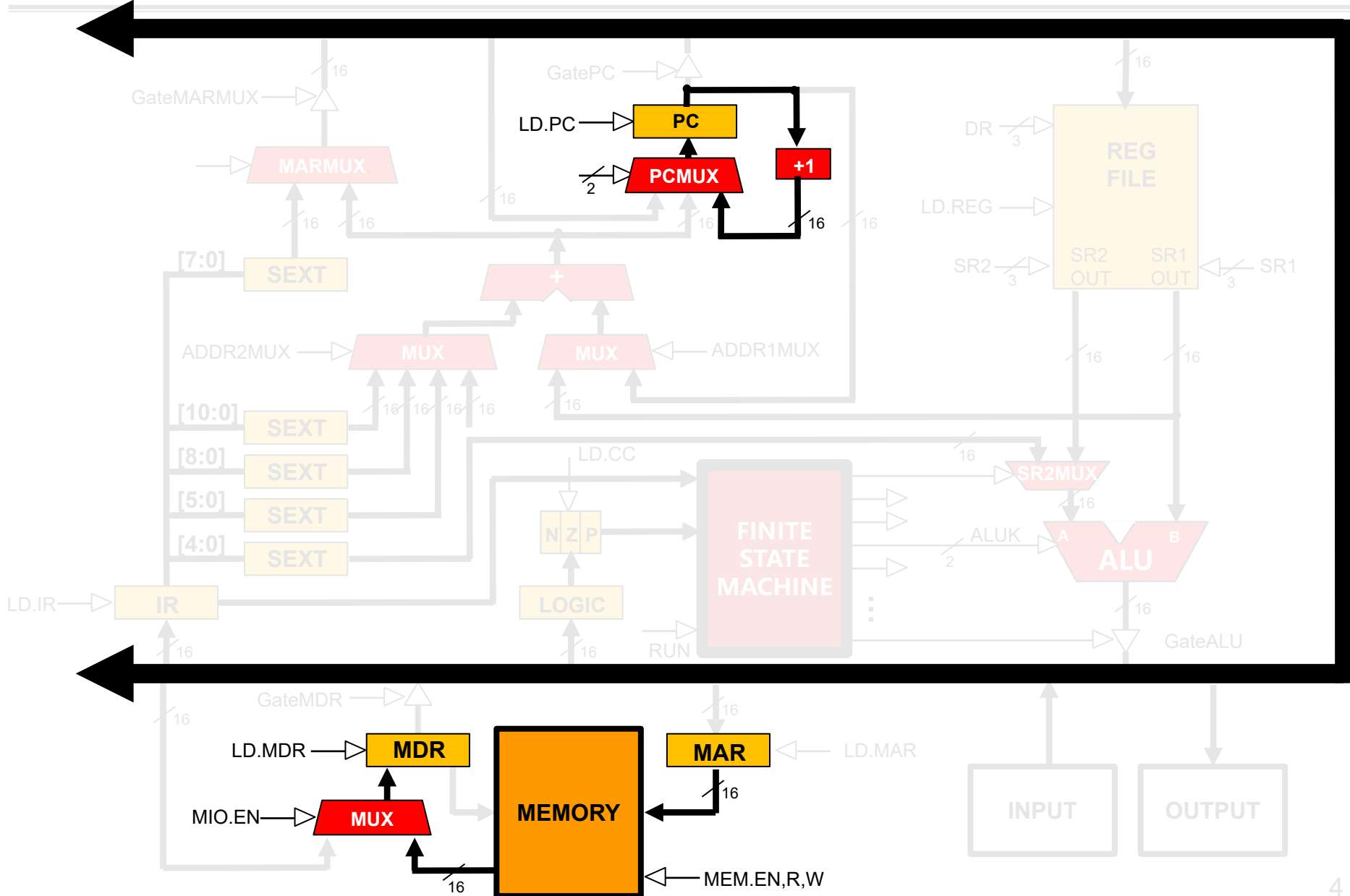
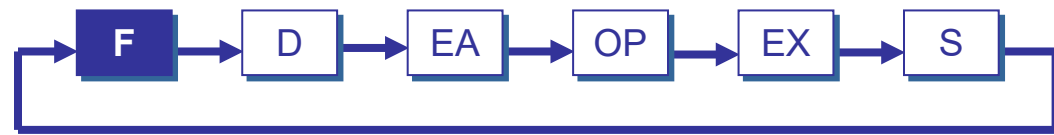
LD (PC-Relative) LD DR, PCoffset9



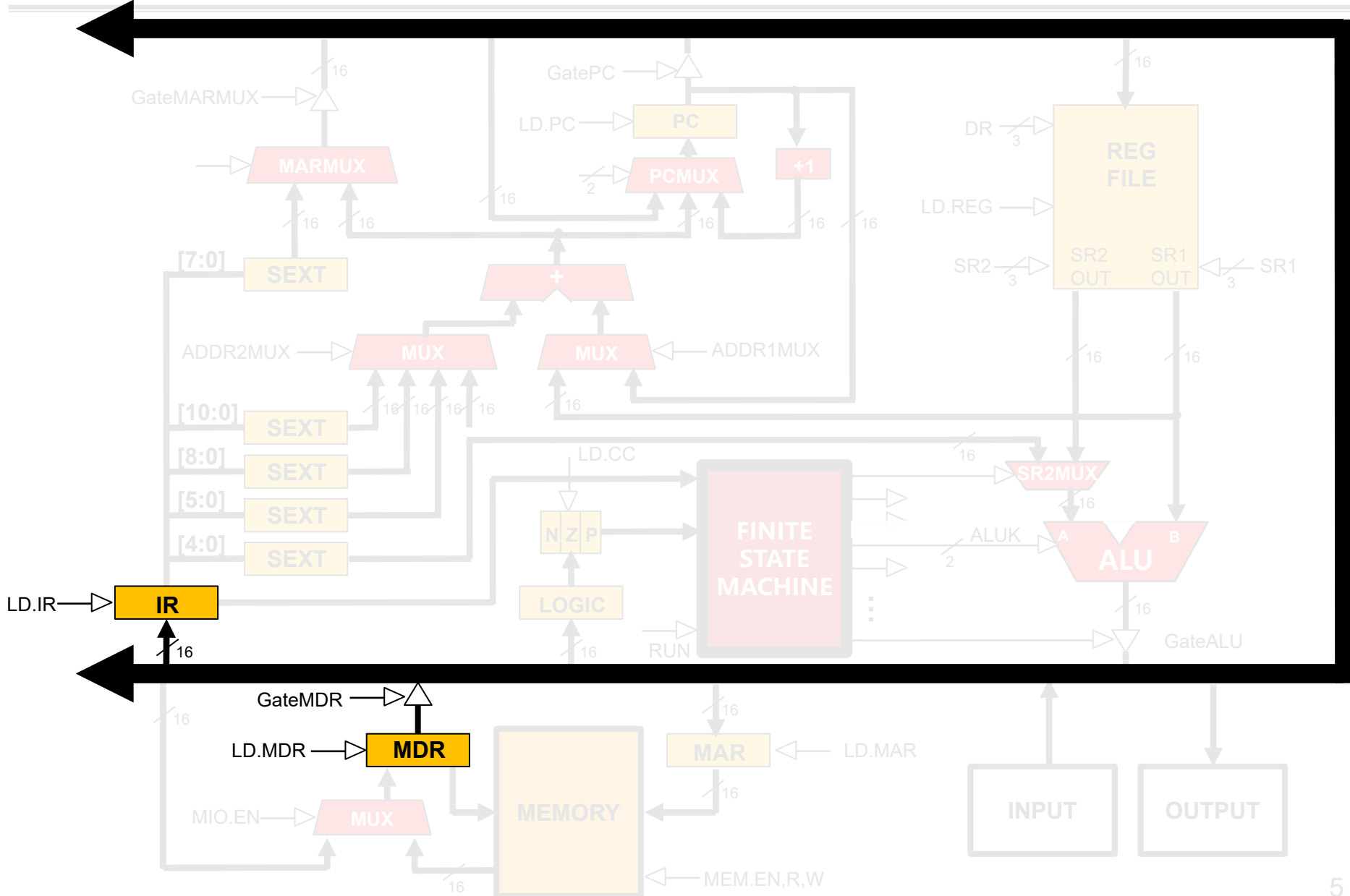
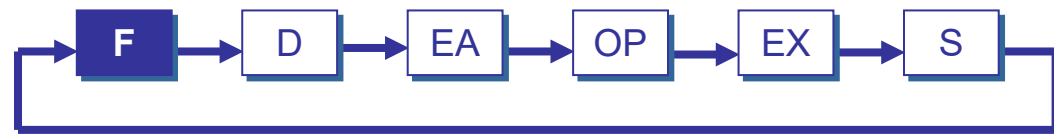
LD (PC-Relative)



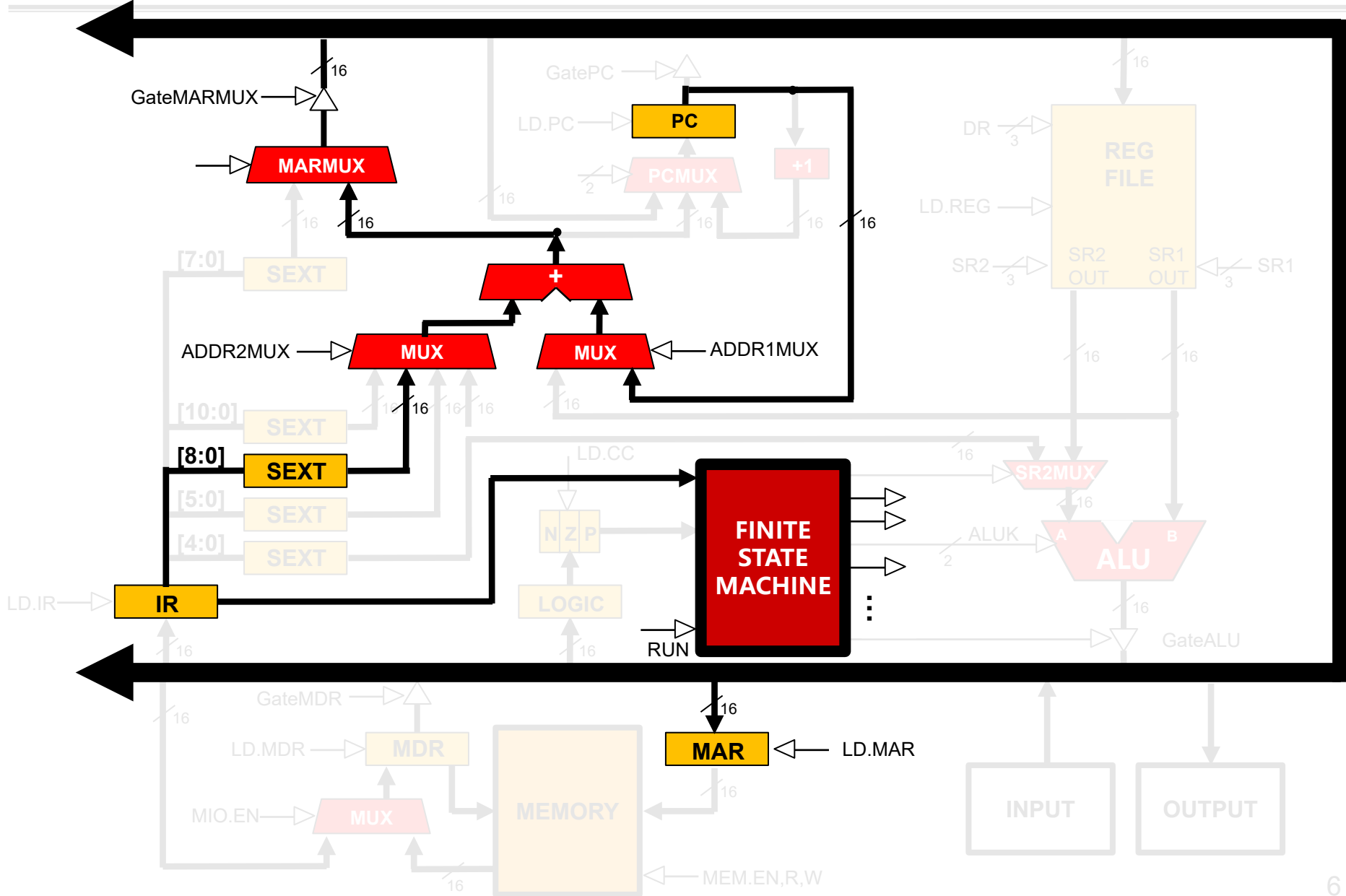
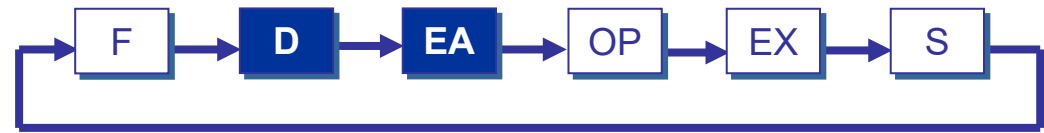
LD (PC-Relative)



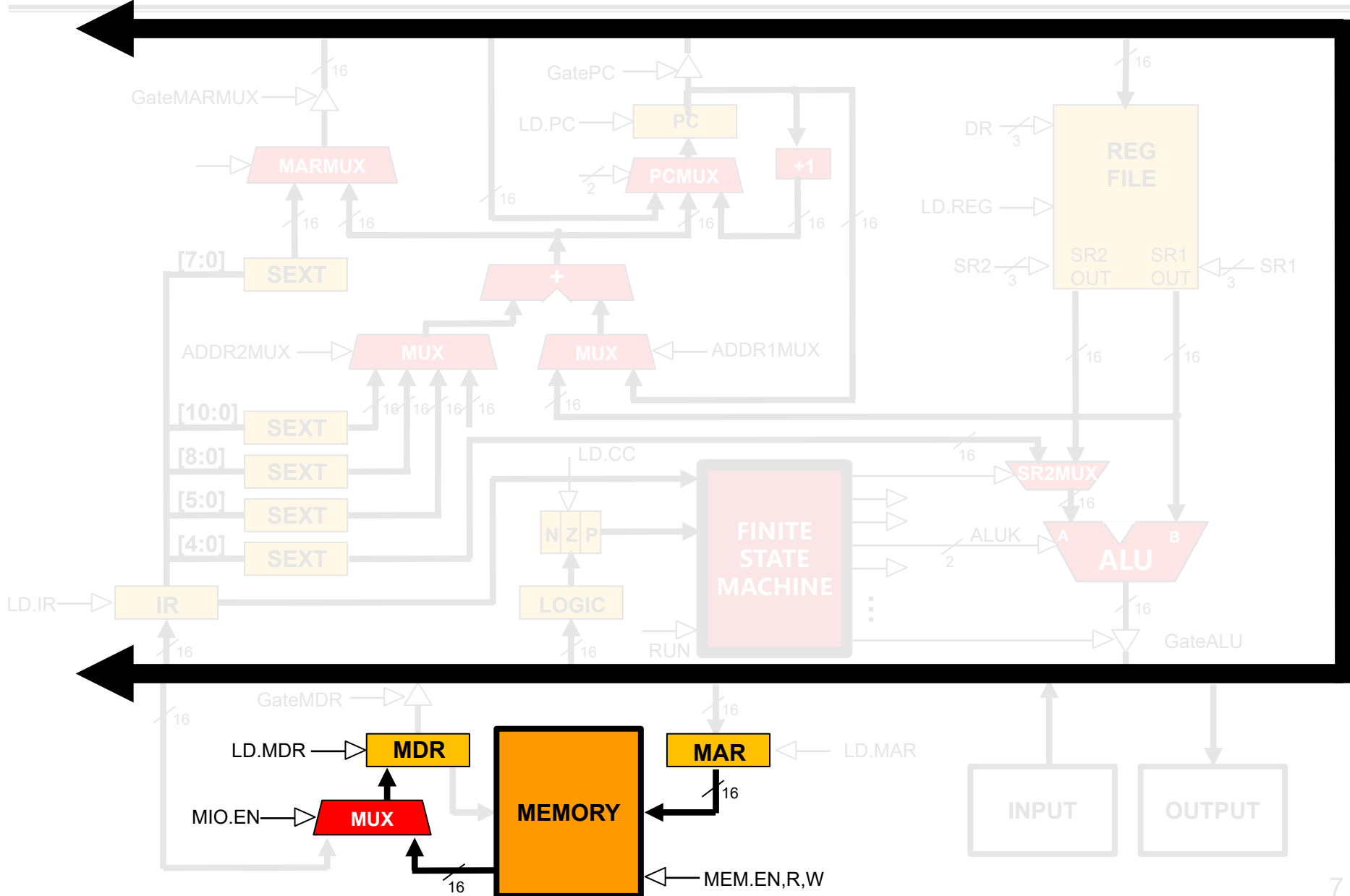
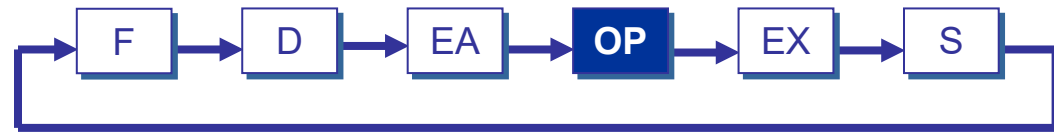
LD (PC-Relative)



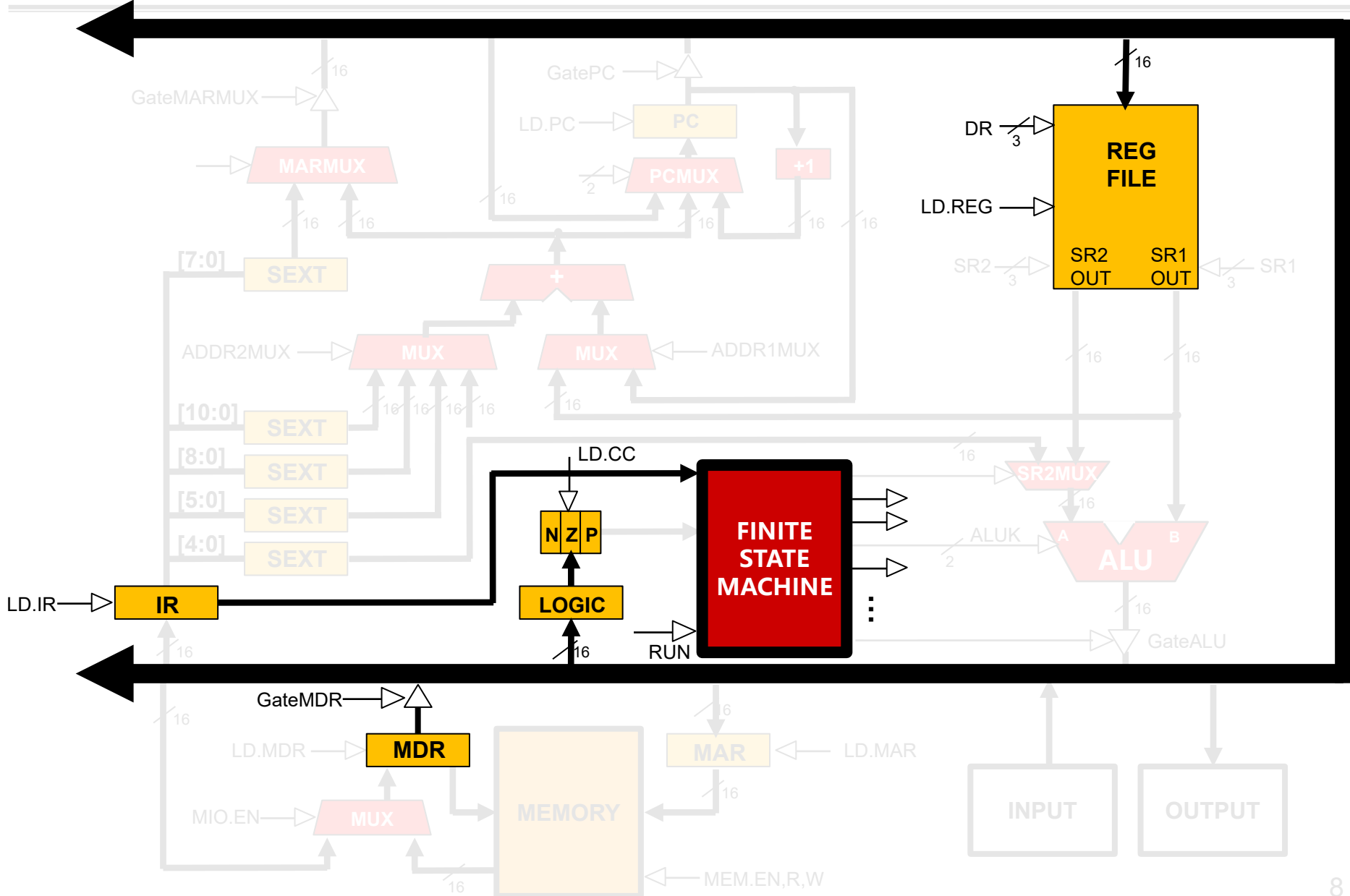
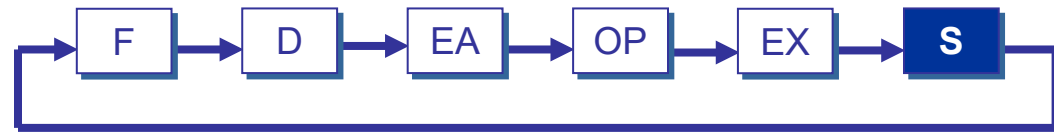
LD (PC-Relative)



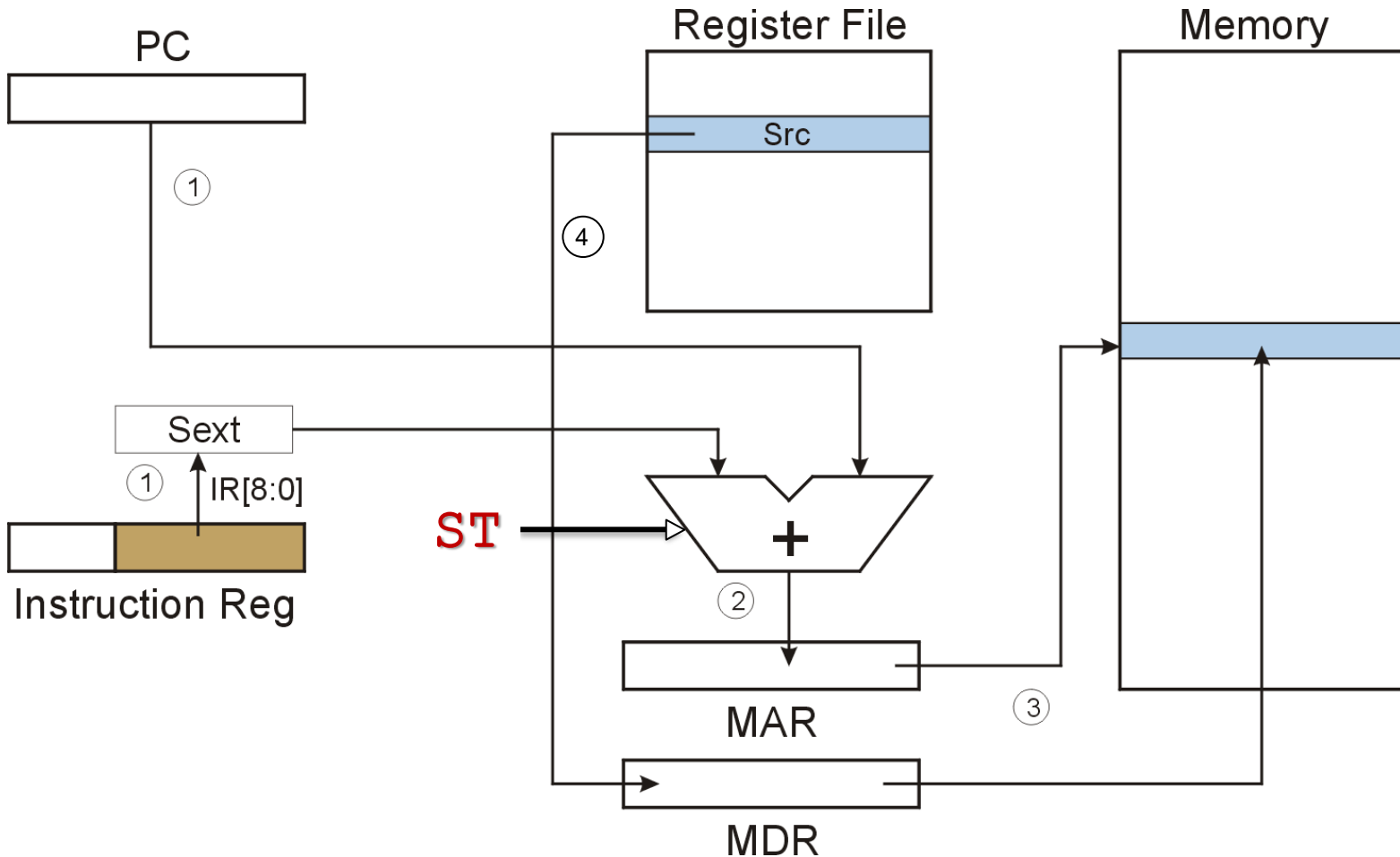
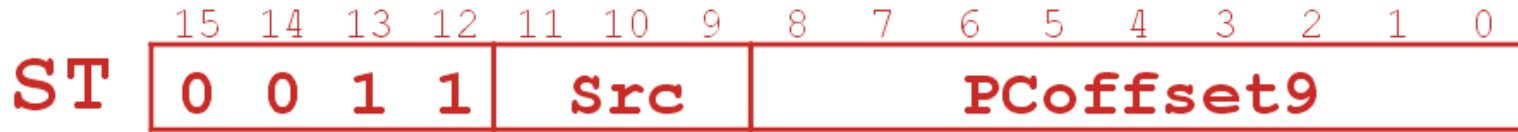
LD (PC-Relative)



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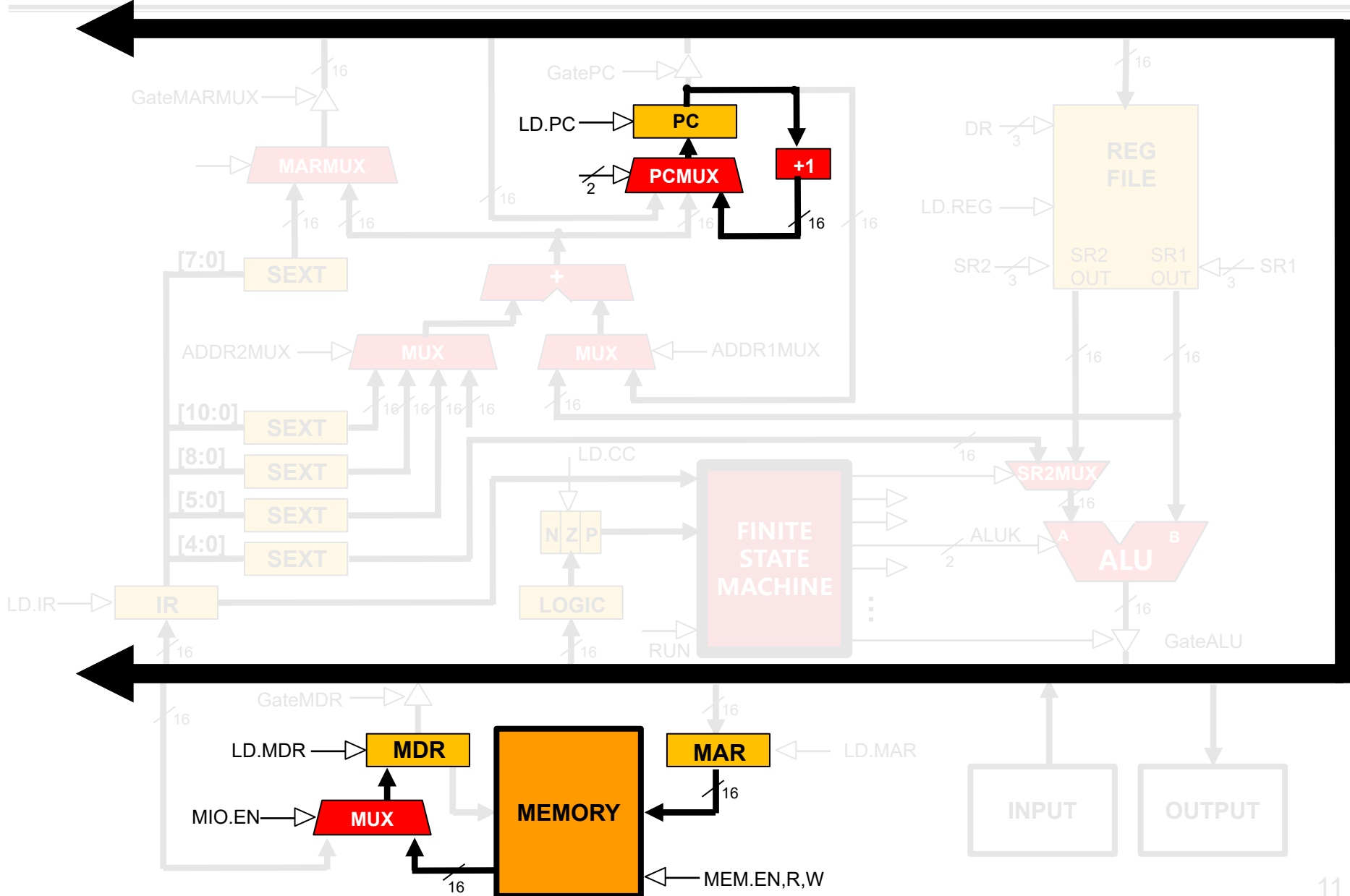
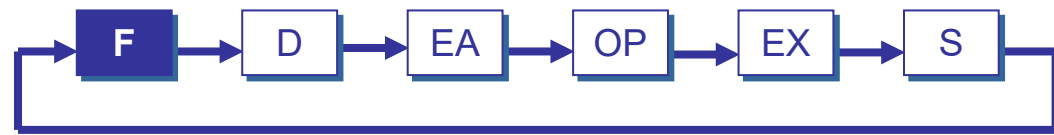


ST (PC-Relative) ST SR, PCOffset9

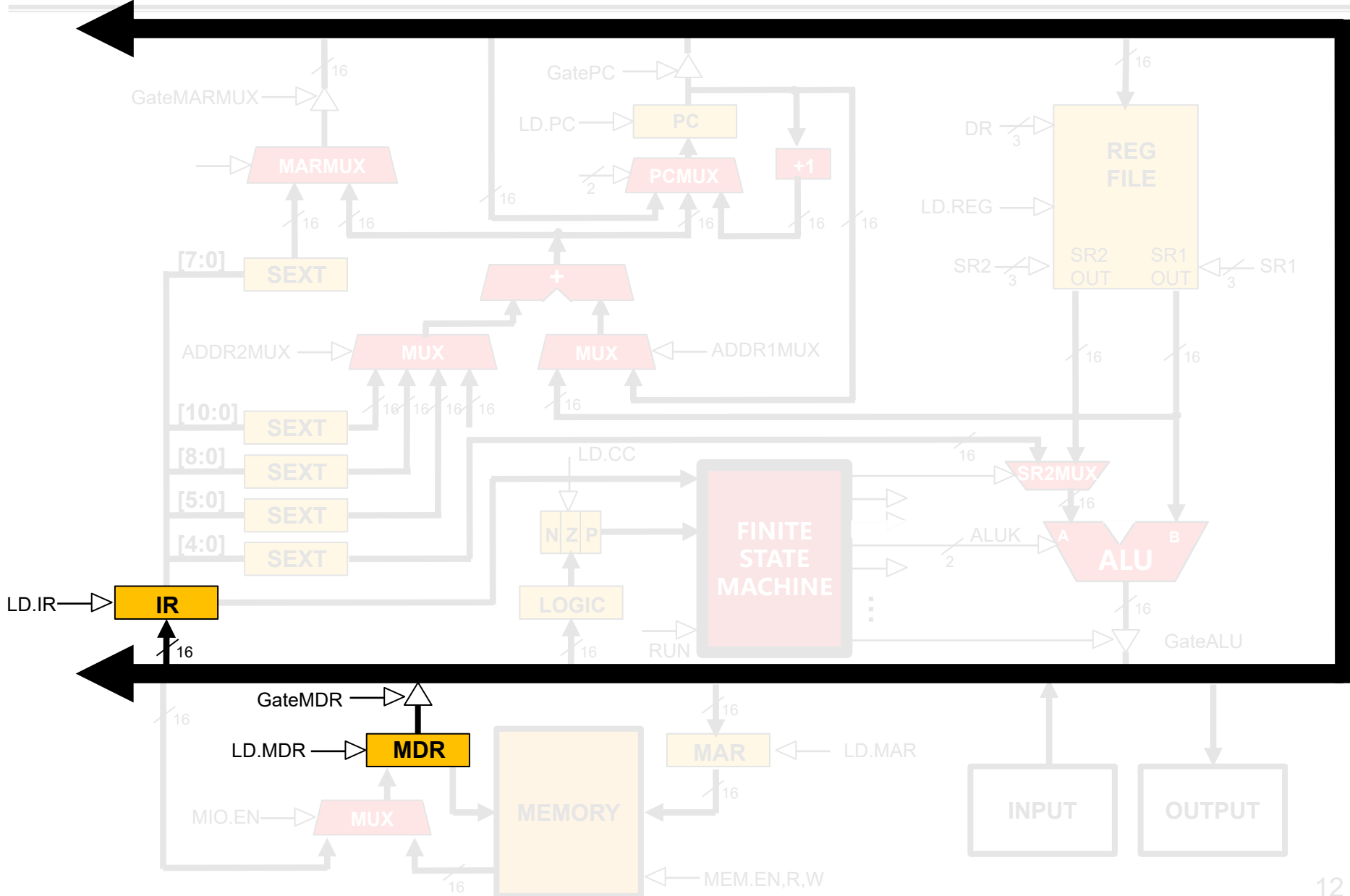
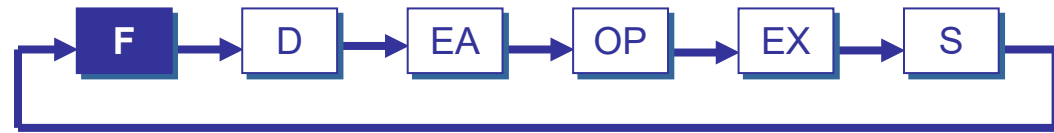


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graph LR; F[F] --> D[D]; D --> EA[EA]; EA --> OP[OP]; OP --> EX[EX]; EX --> S[S]; S --> F;
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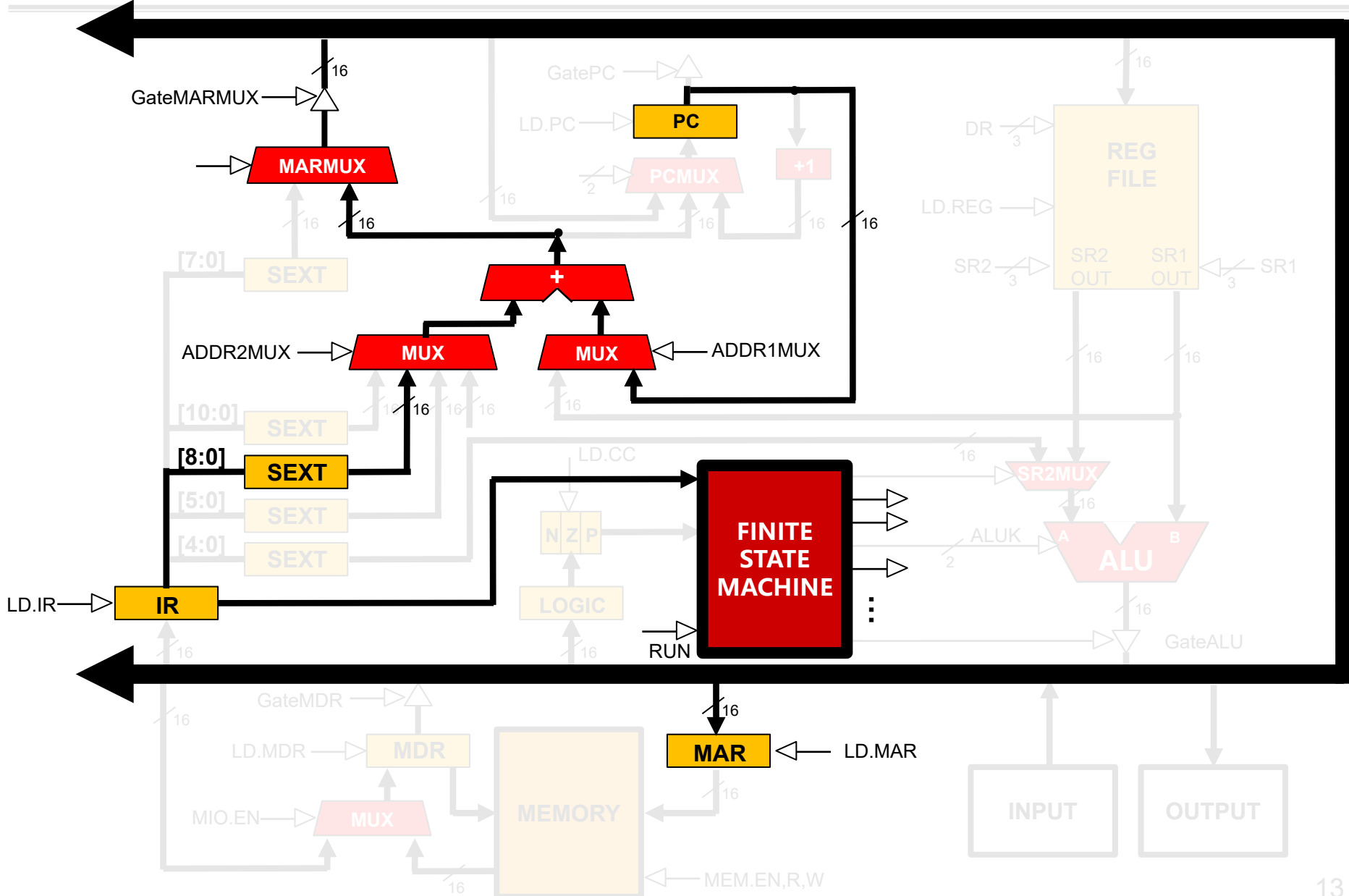
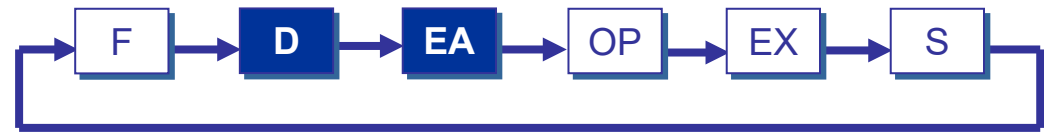
ST (PC-Relative)



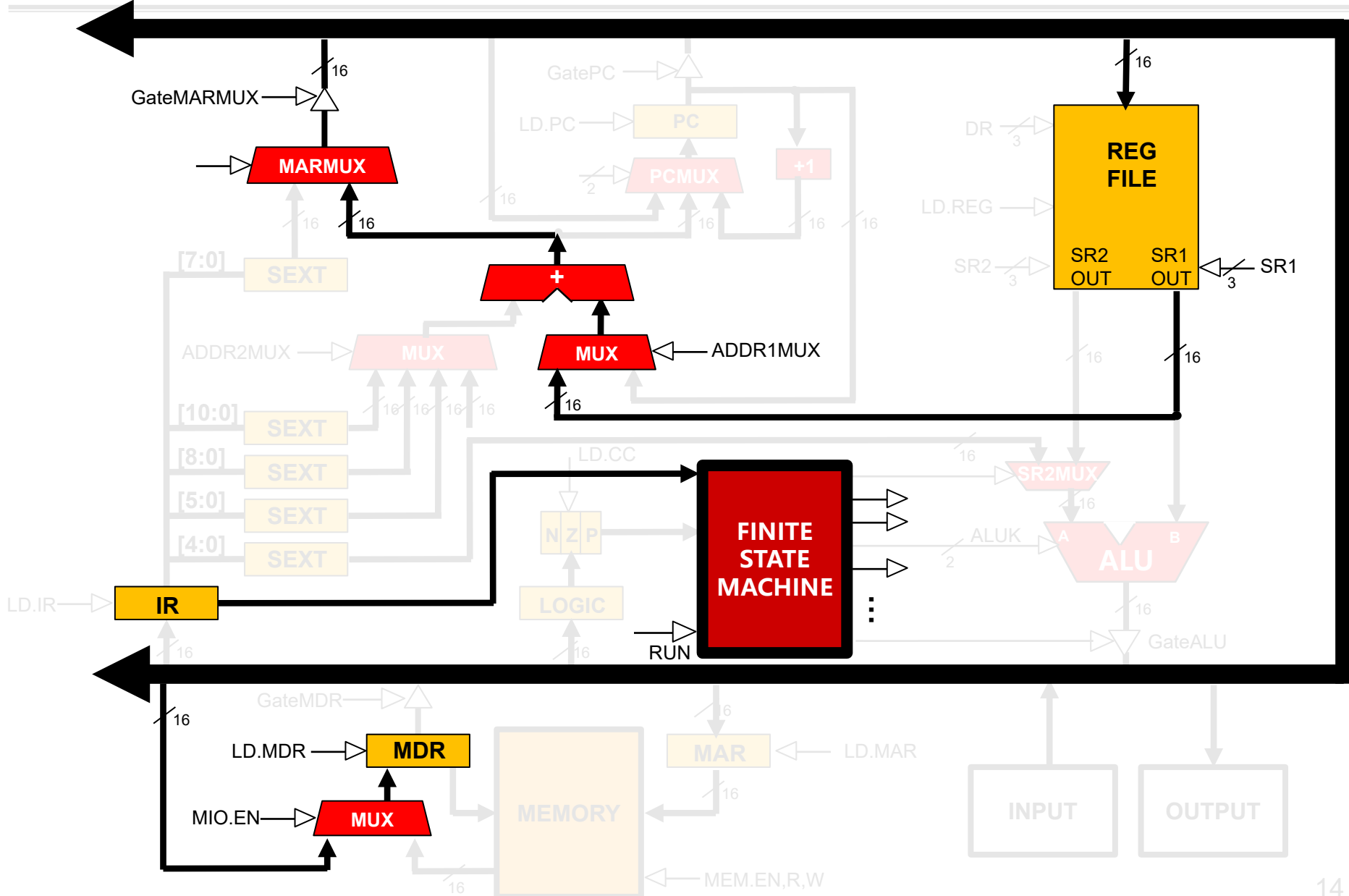
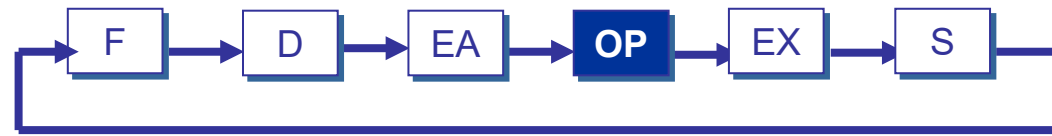
ST (PC-Relative)



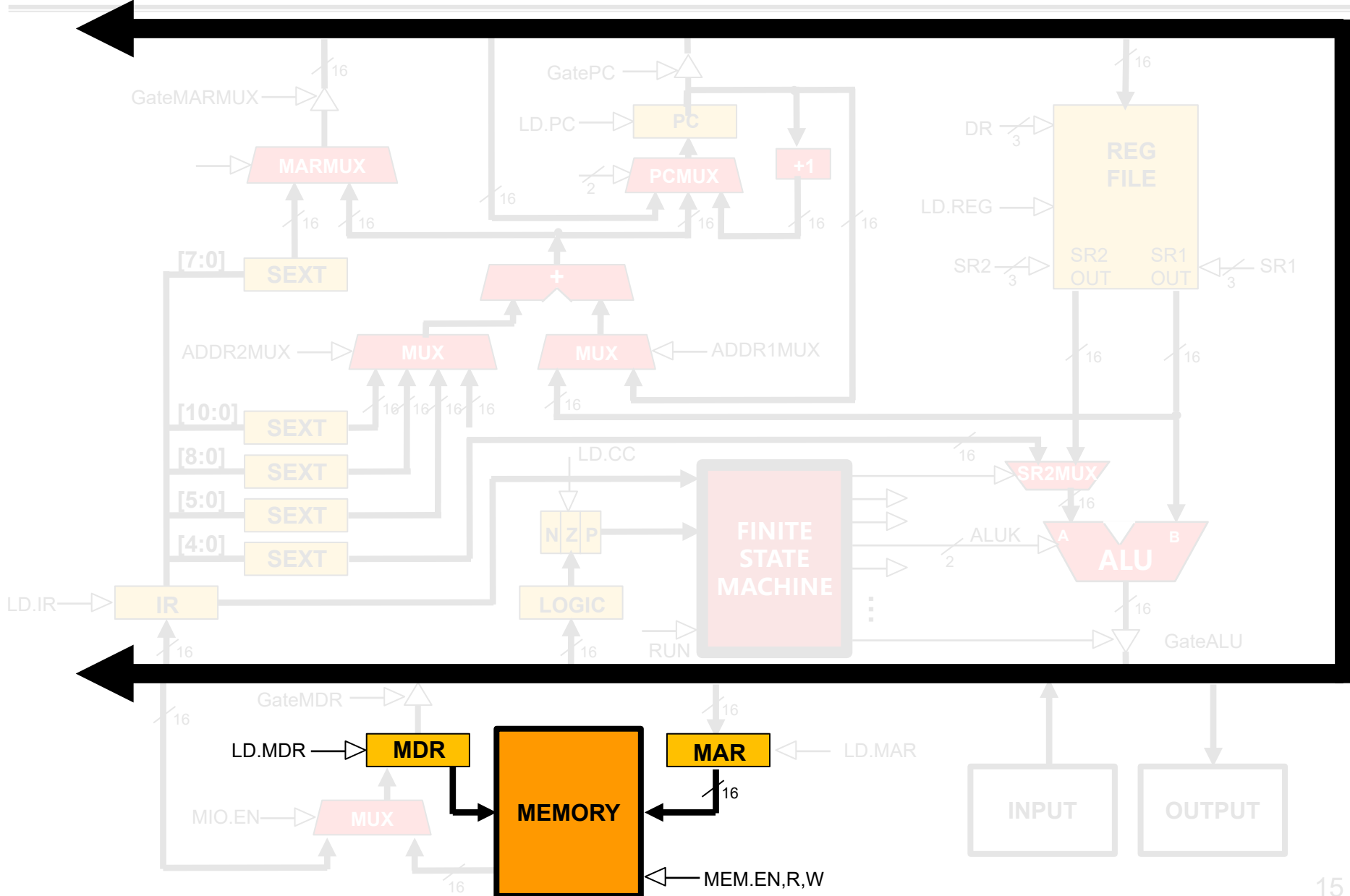
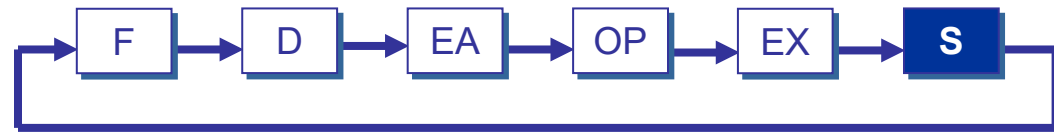
ST (PC-Relative)



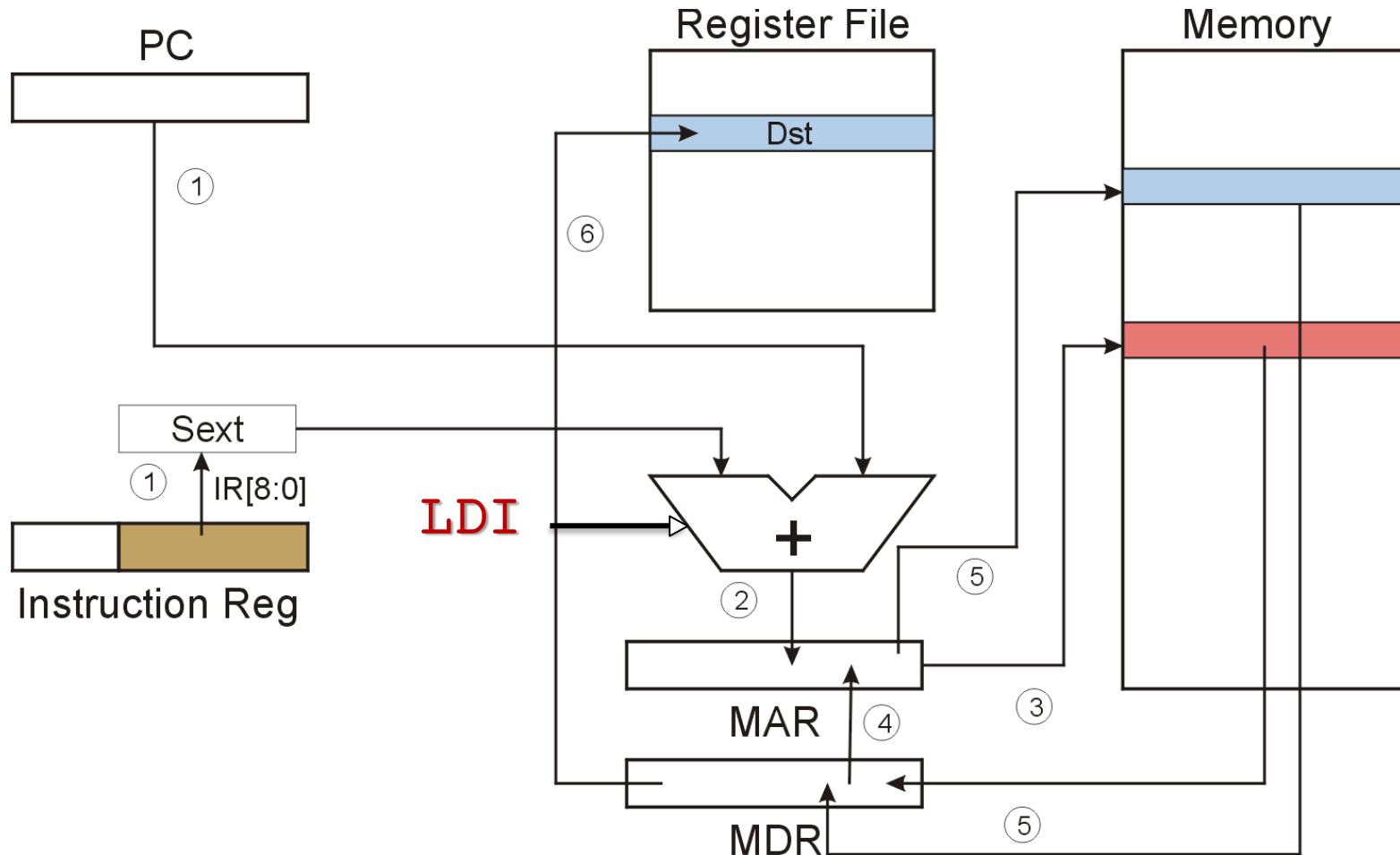
ST (PC-Relative)



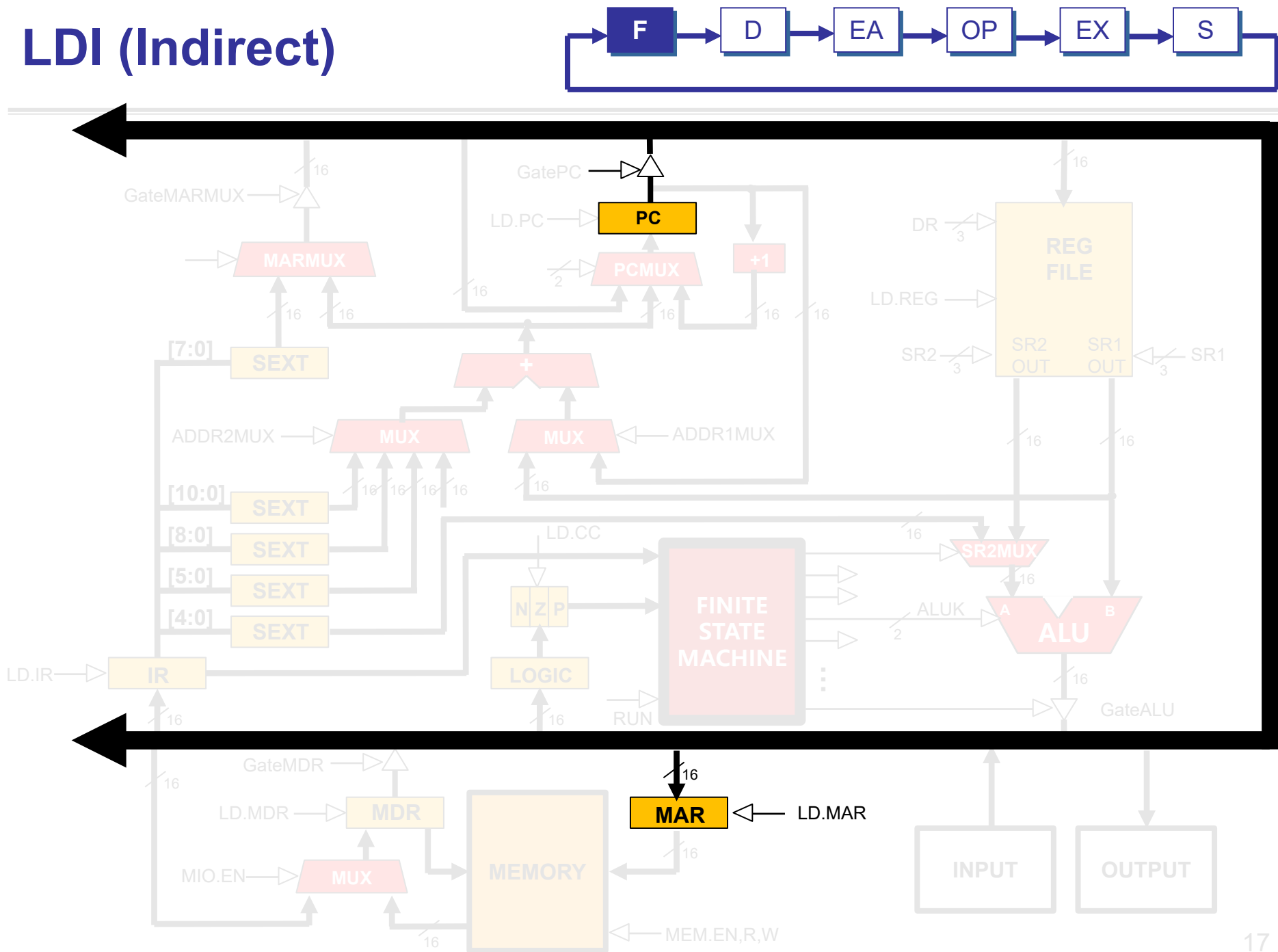
ST (PC-Relative)



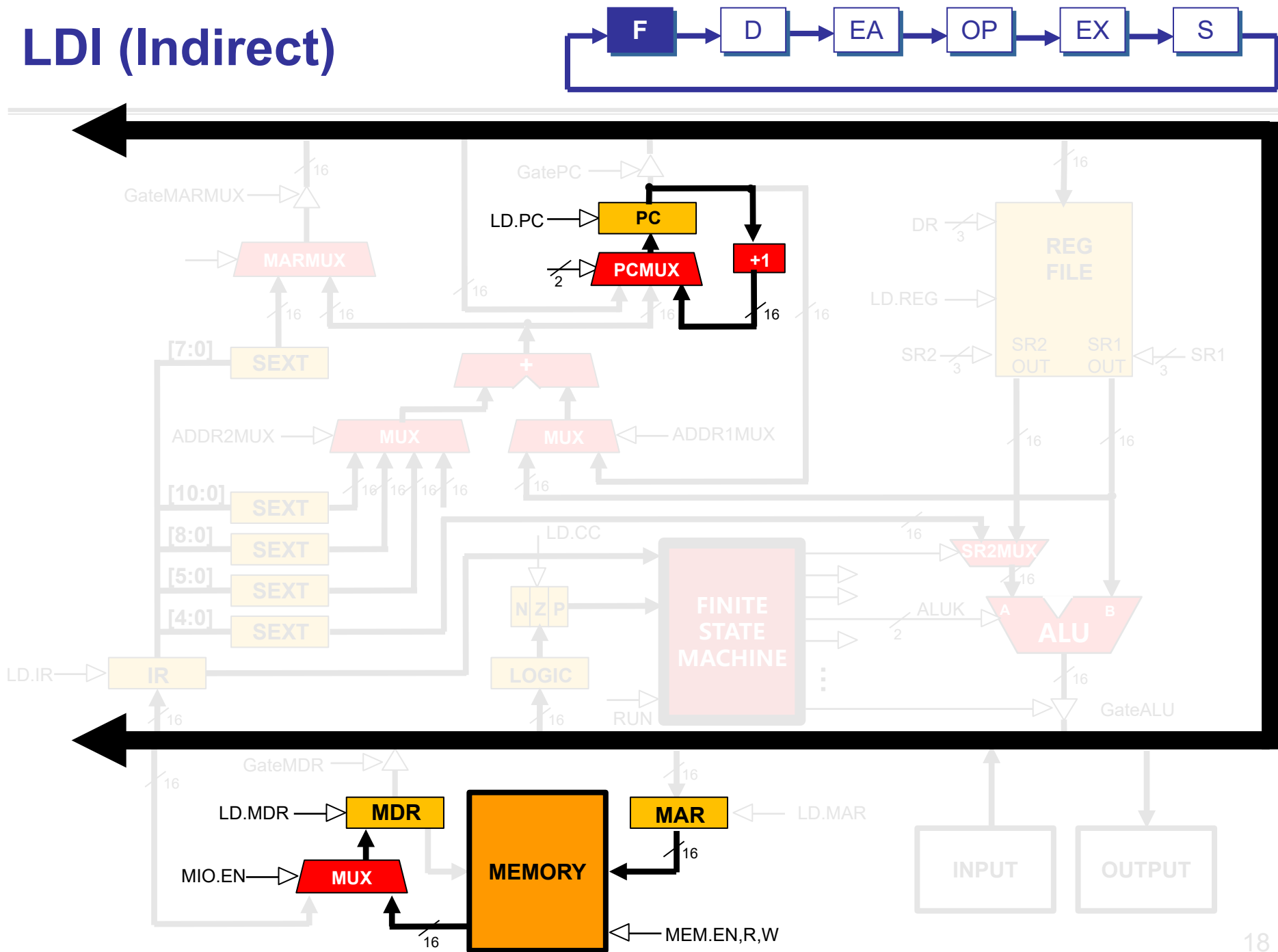
LDI (Indirect) LDI DR, PCOffset9



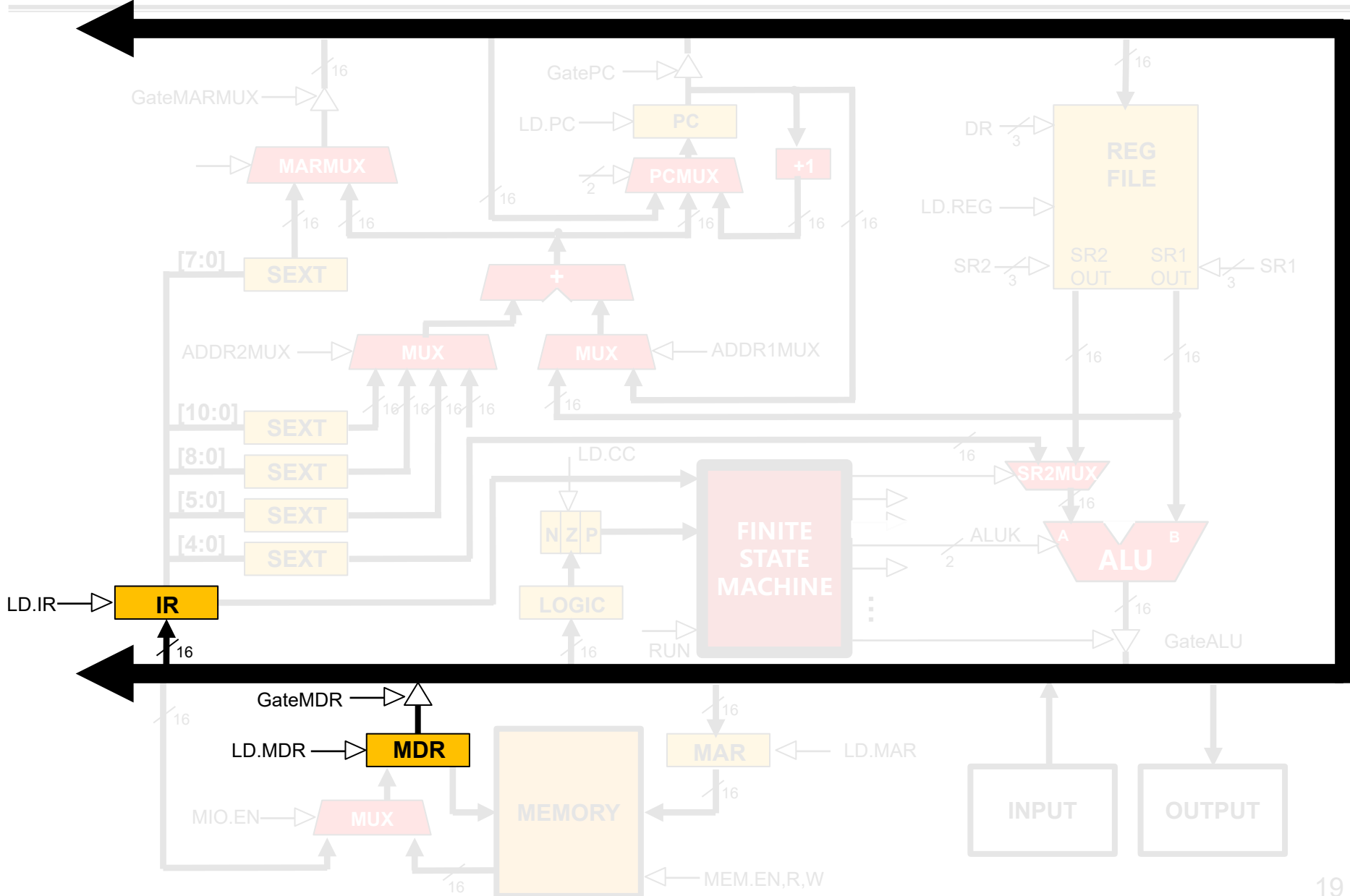
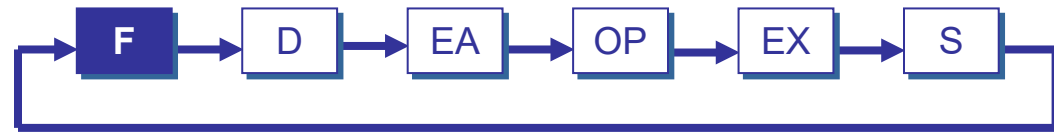
LDI (Indirect)



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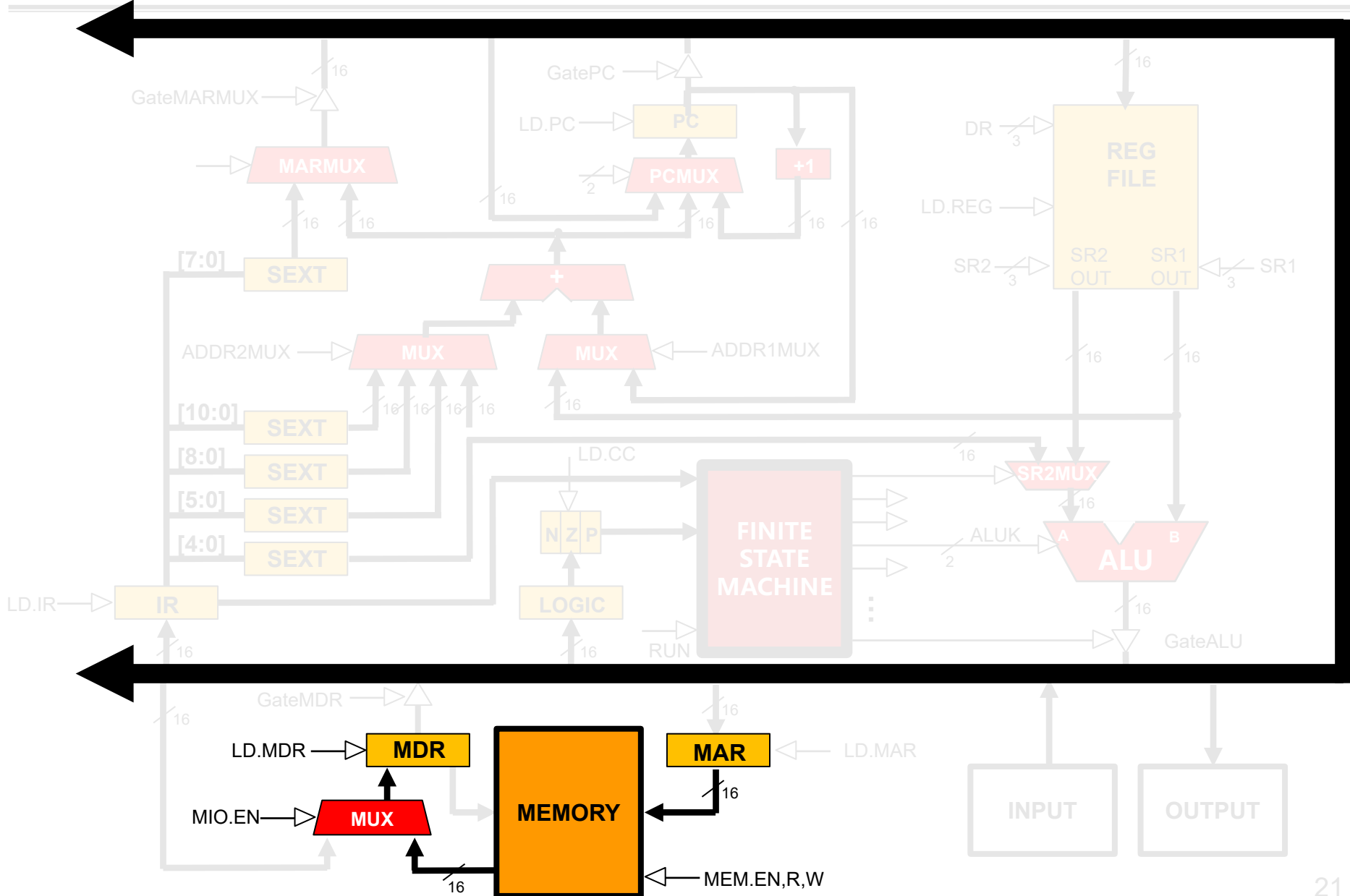
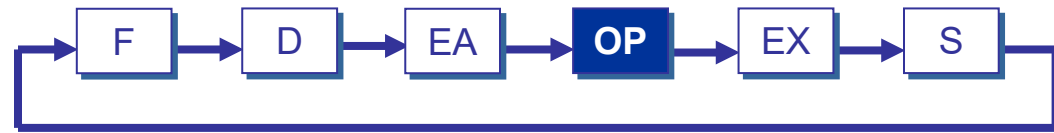


LDI (Indirect)

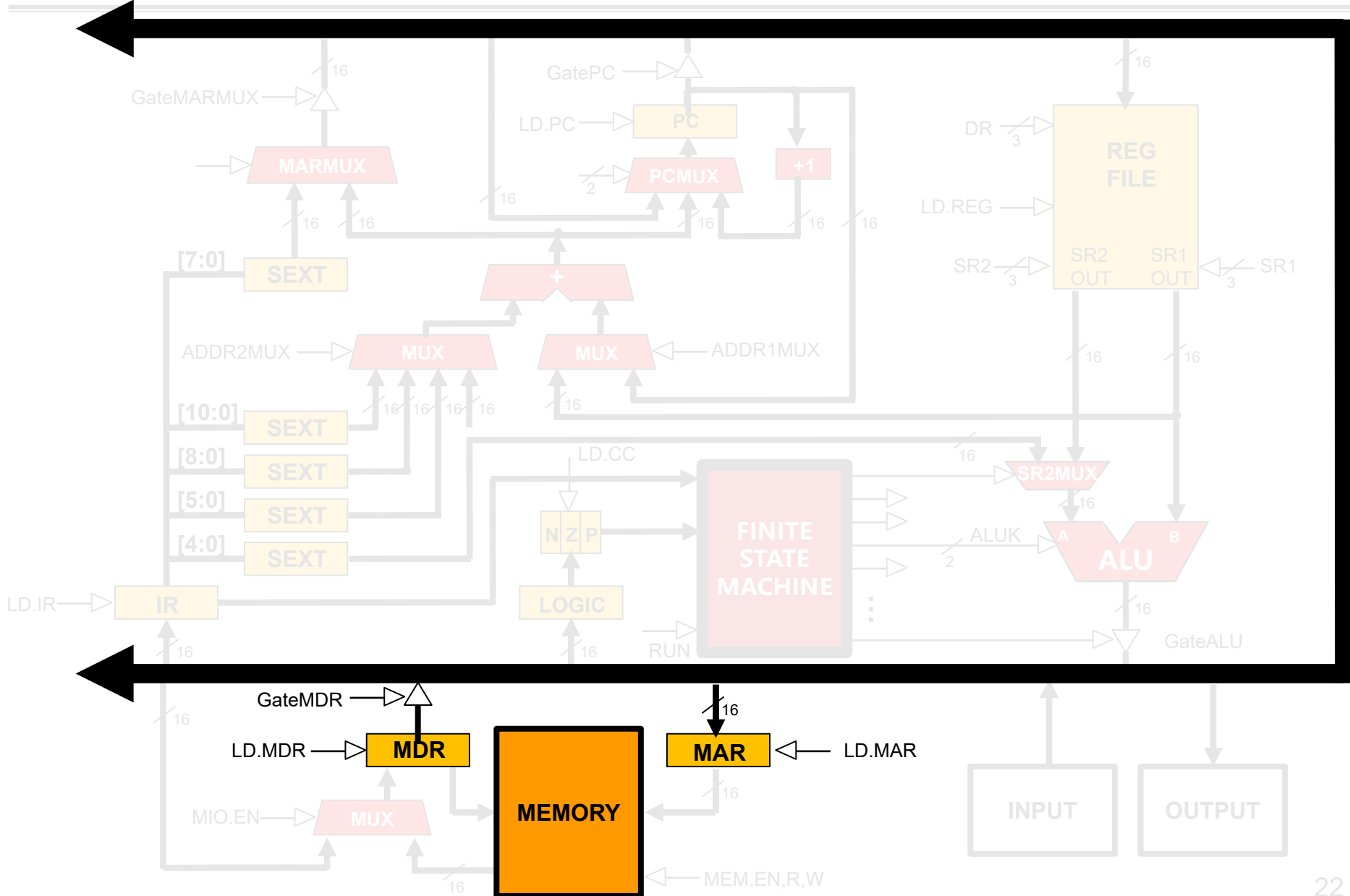
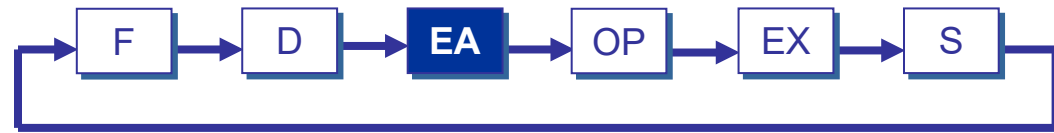


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graph LR; F[F] --> D[D]; D --> EA[EA]; EA --> OP[OP]; OP --> EX[EX]; EX --> S[S]; S --> F;
```

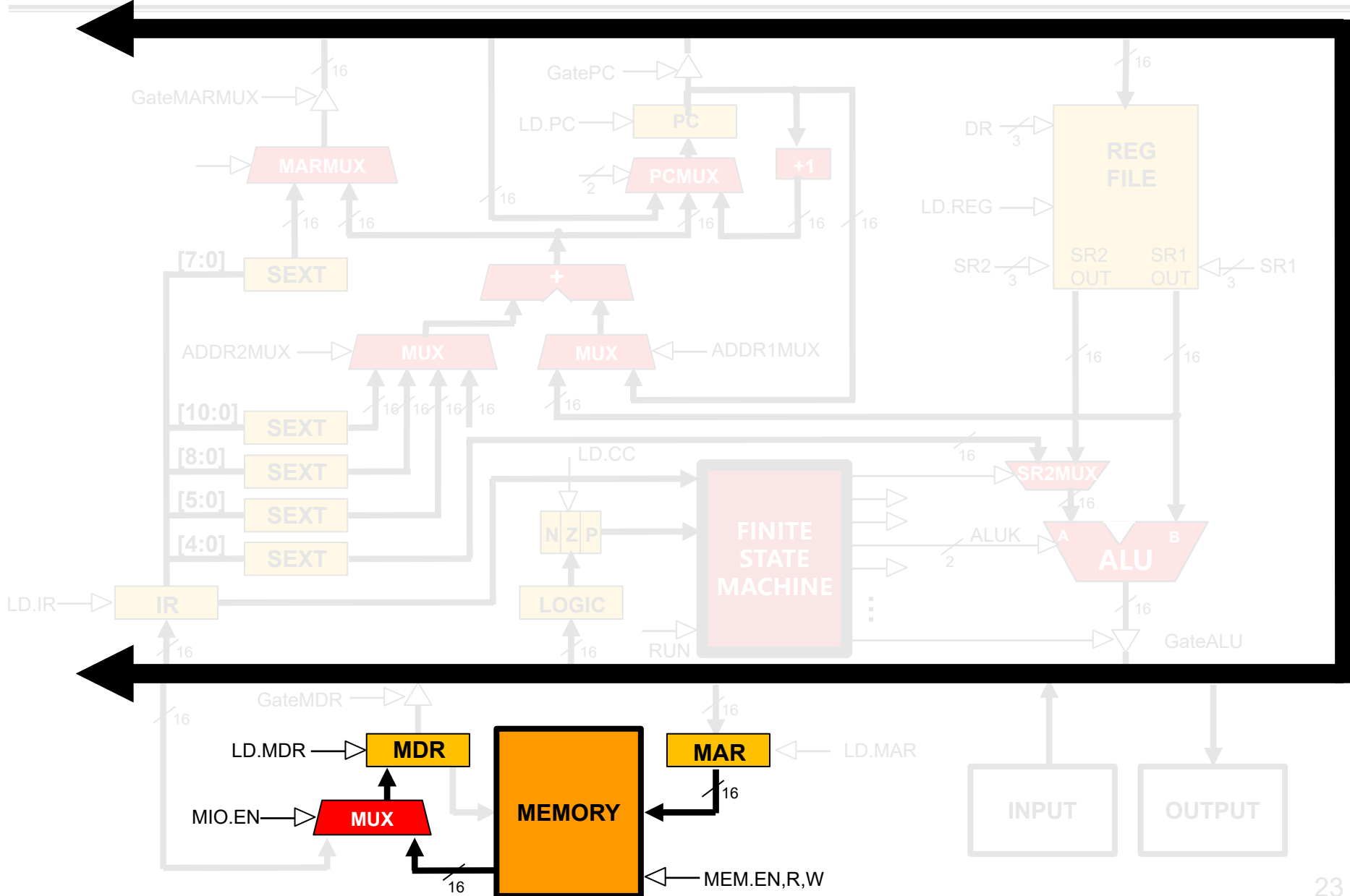
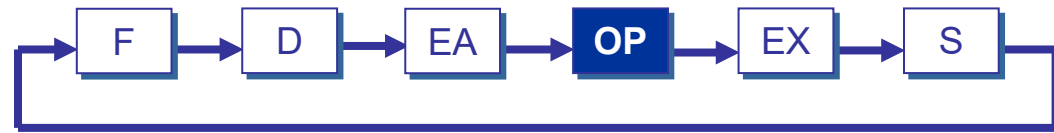
LDI (Indirect)



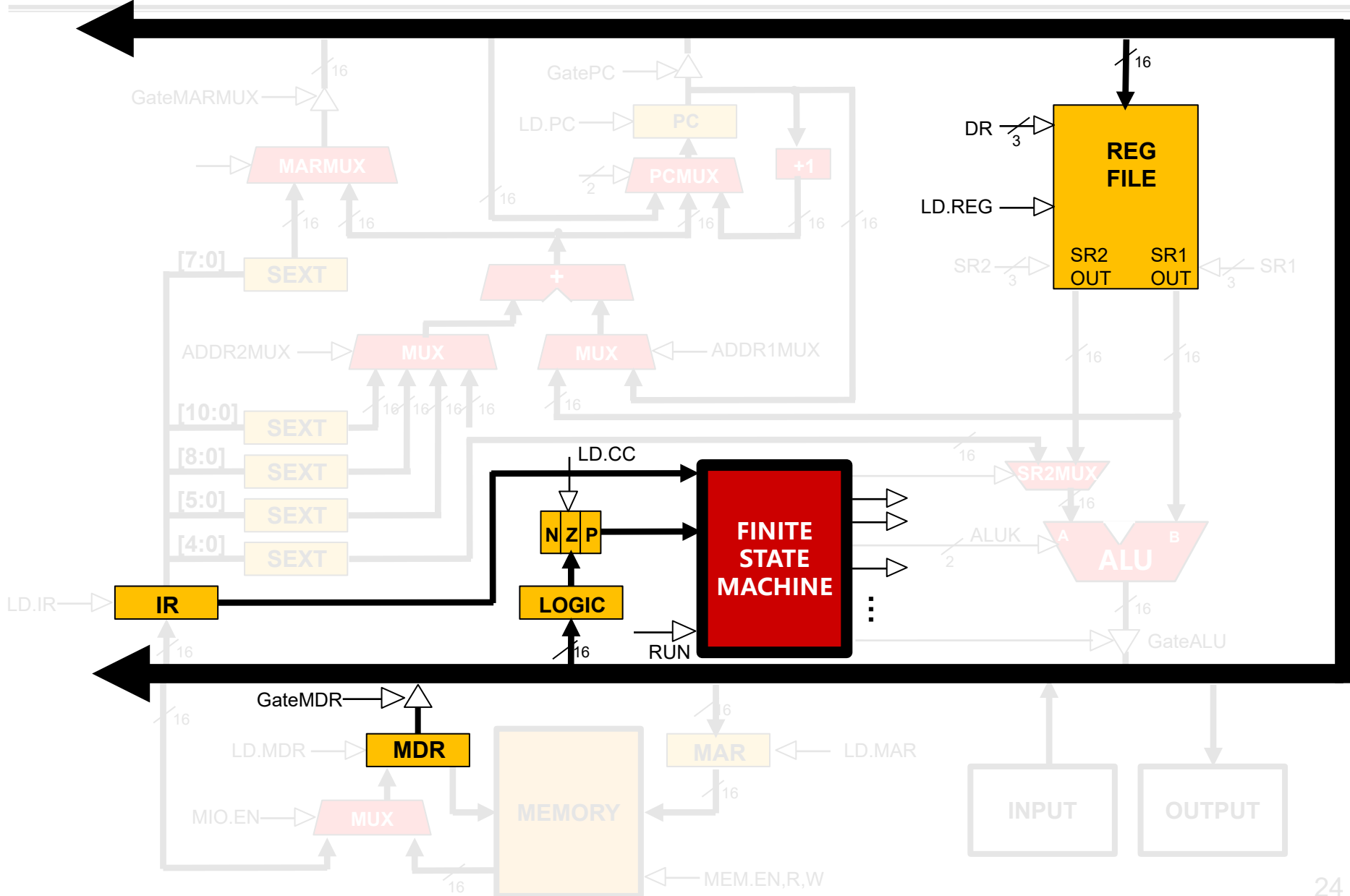
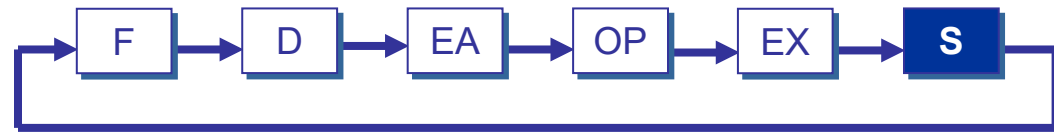
LDI (Indirect)



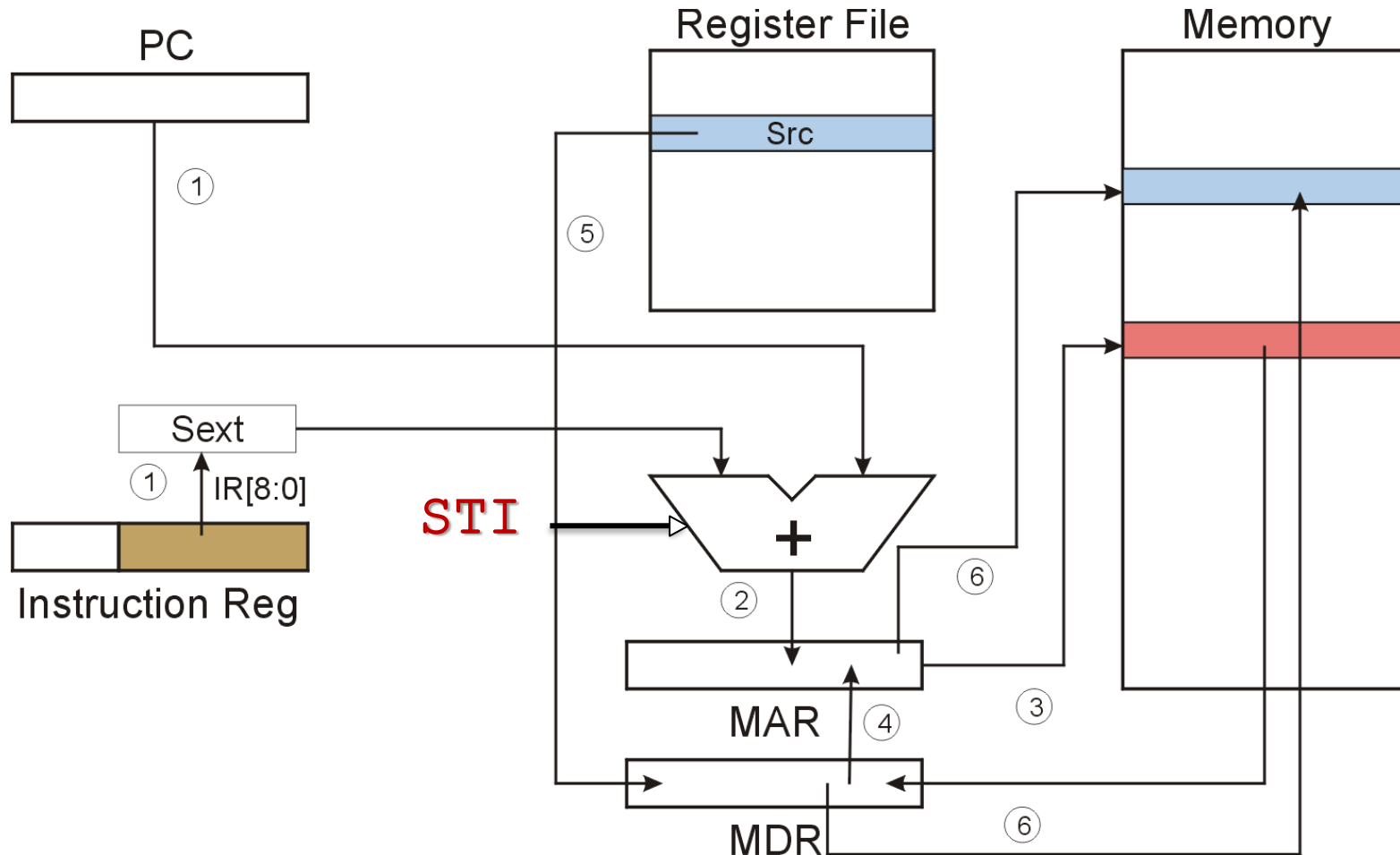
LDI (Indirect)



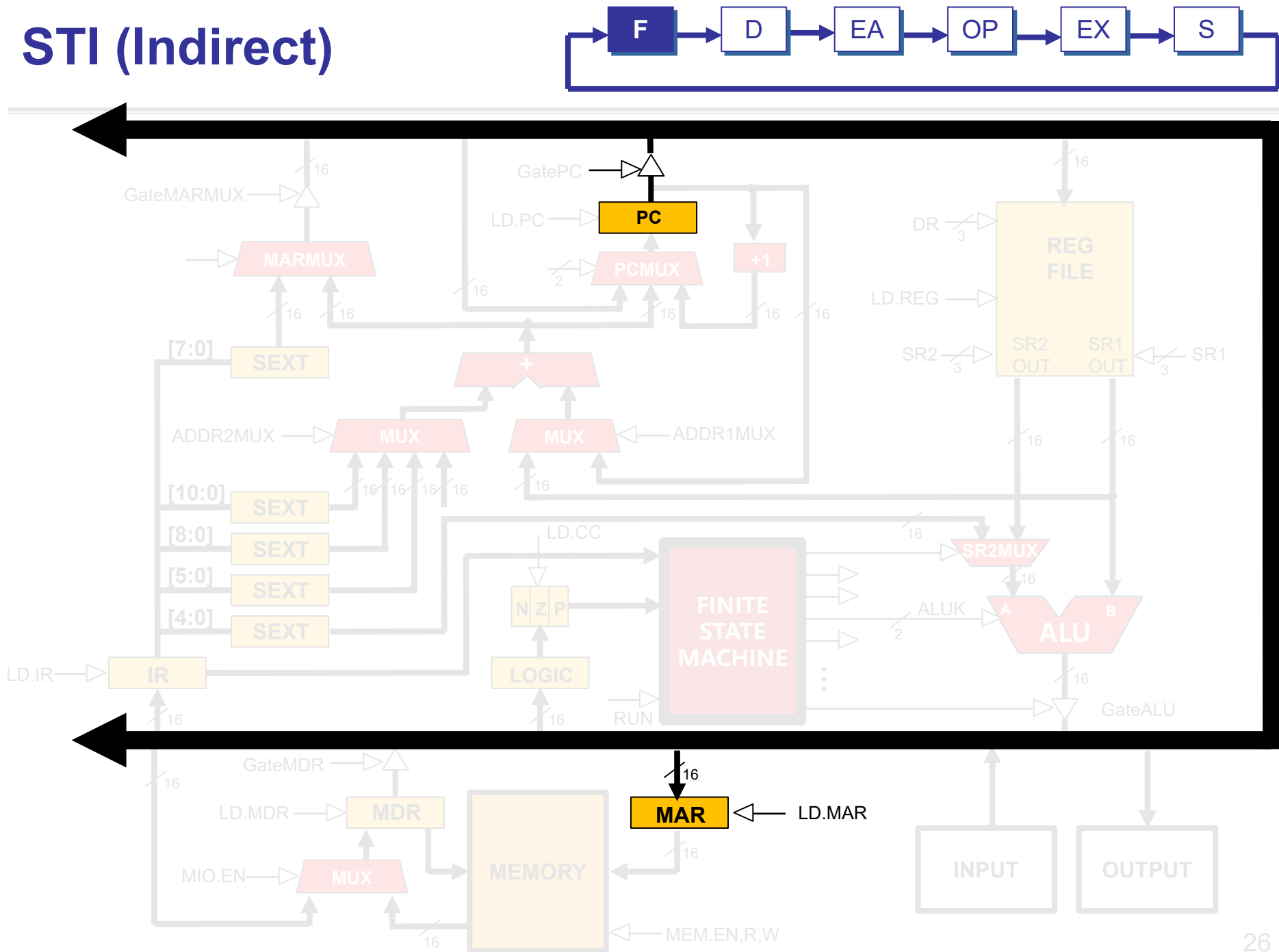
LDI (Indirect)



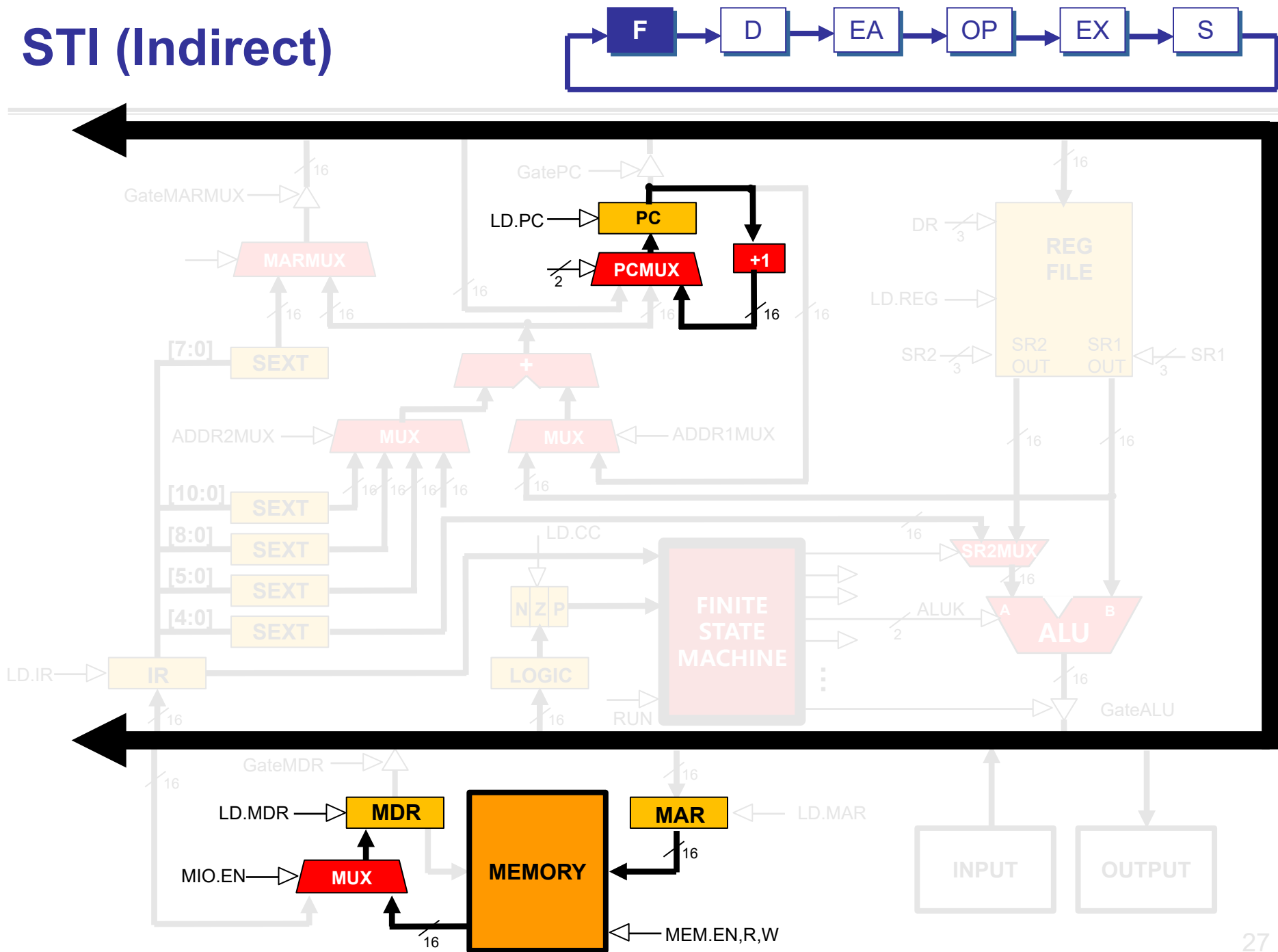
STI (Indirect) STI SR, PCOffset9



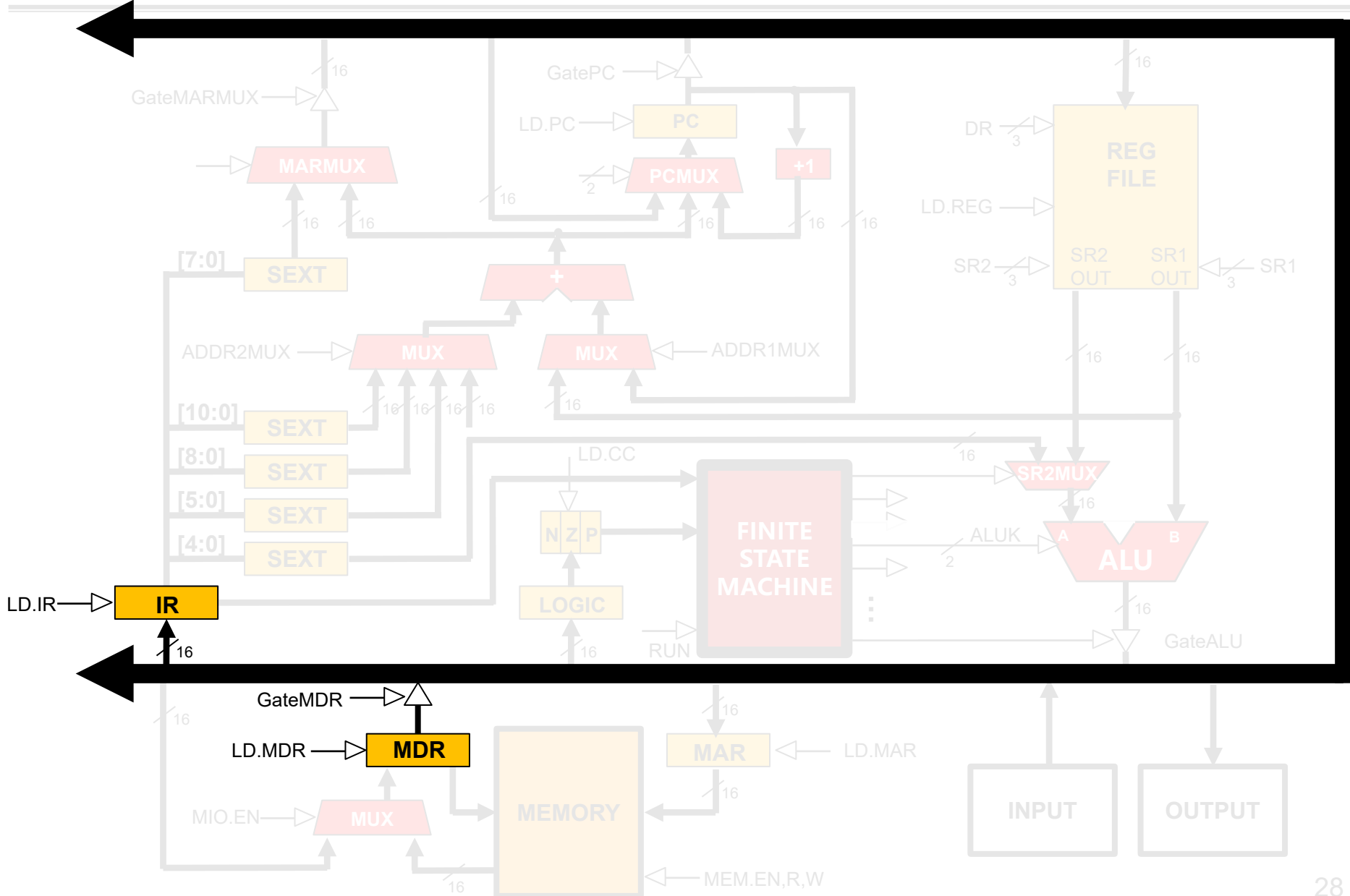
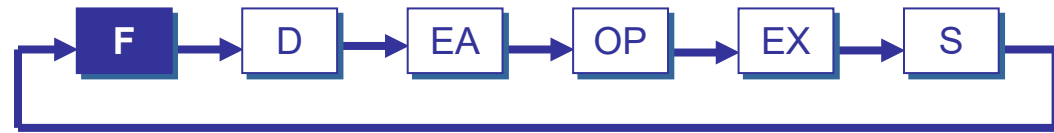
STI (Indirect)



STI (Indirect)

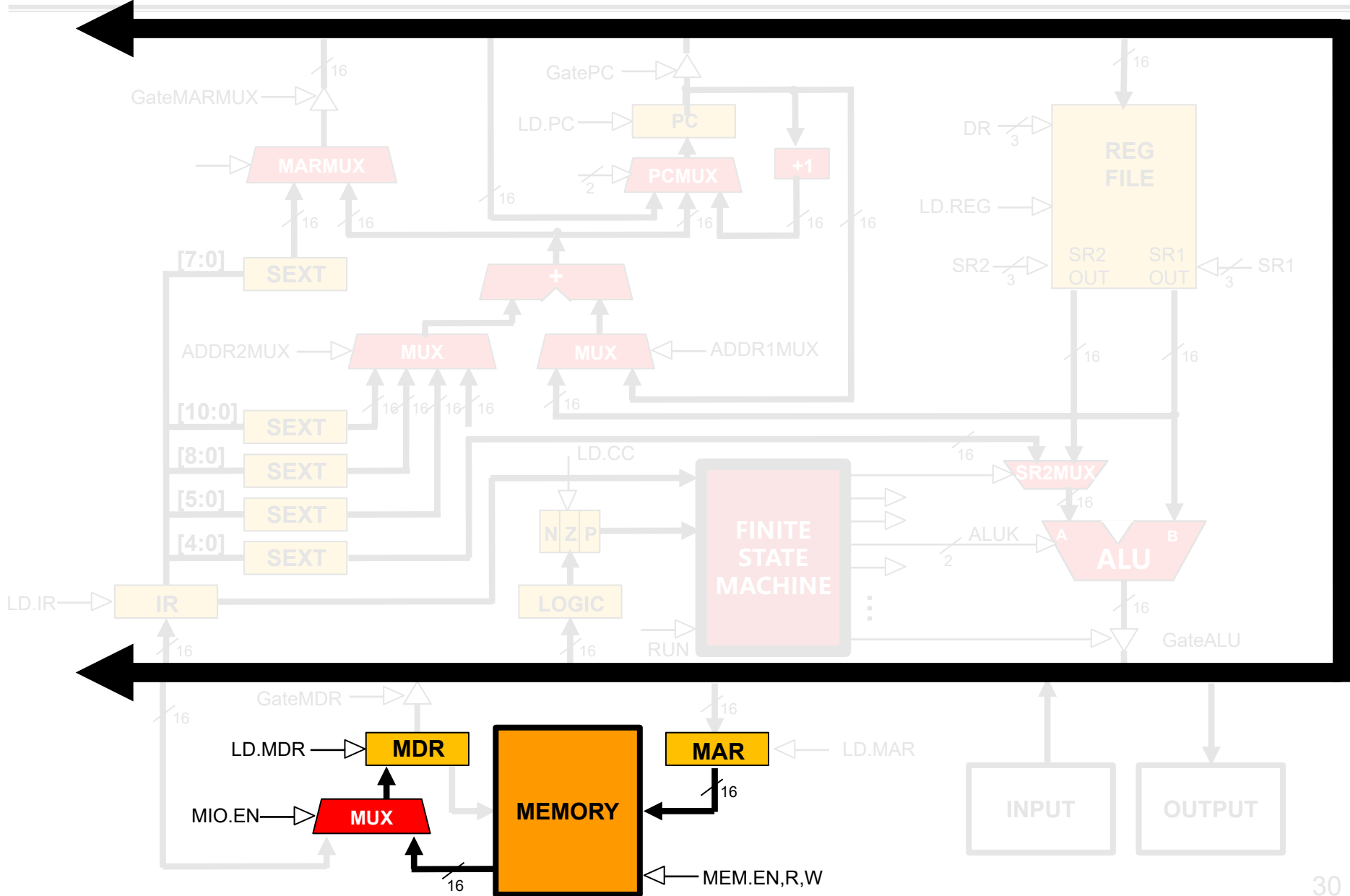
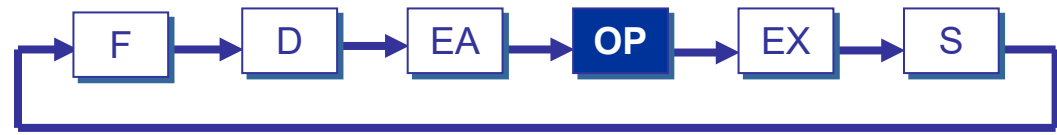


STI (Indirect)

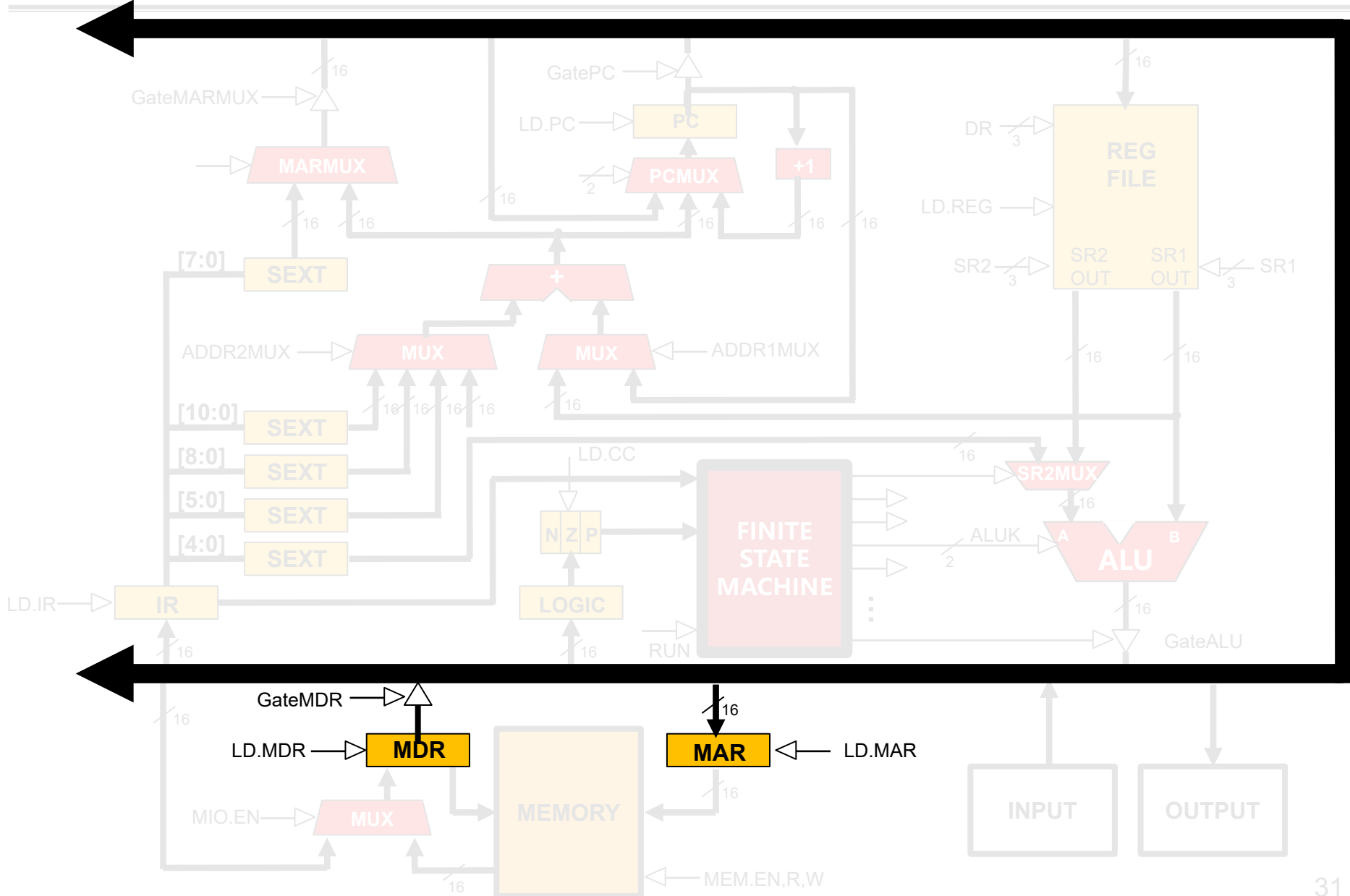
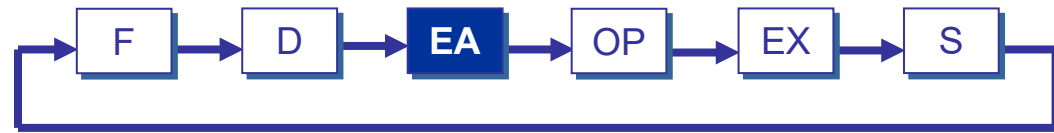


```
graph LR; F[F] --> D[D]; D --> EA[EA]; EA --> OP[OP]; OP --> EX[EX]; EX --> S[S]; S --> F;
```

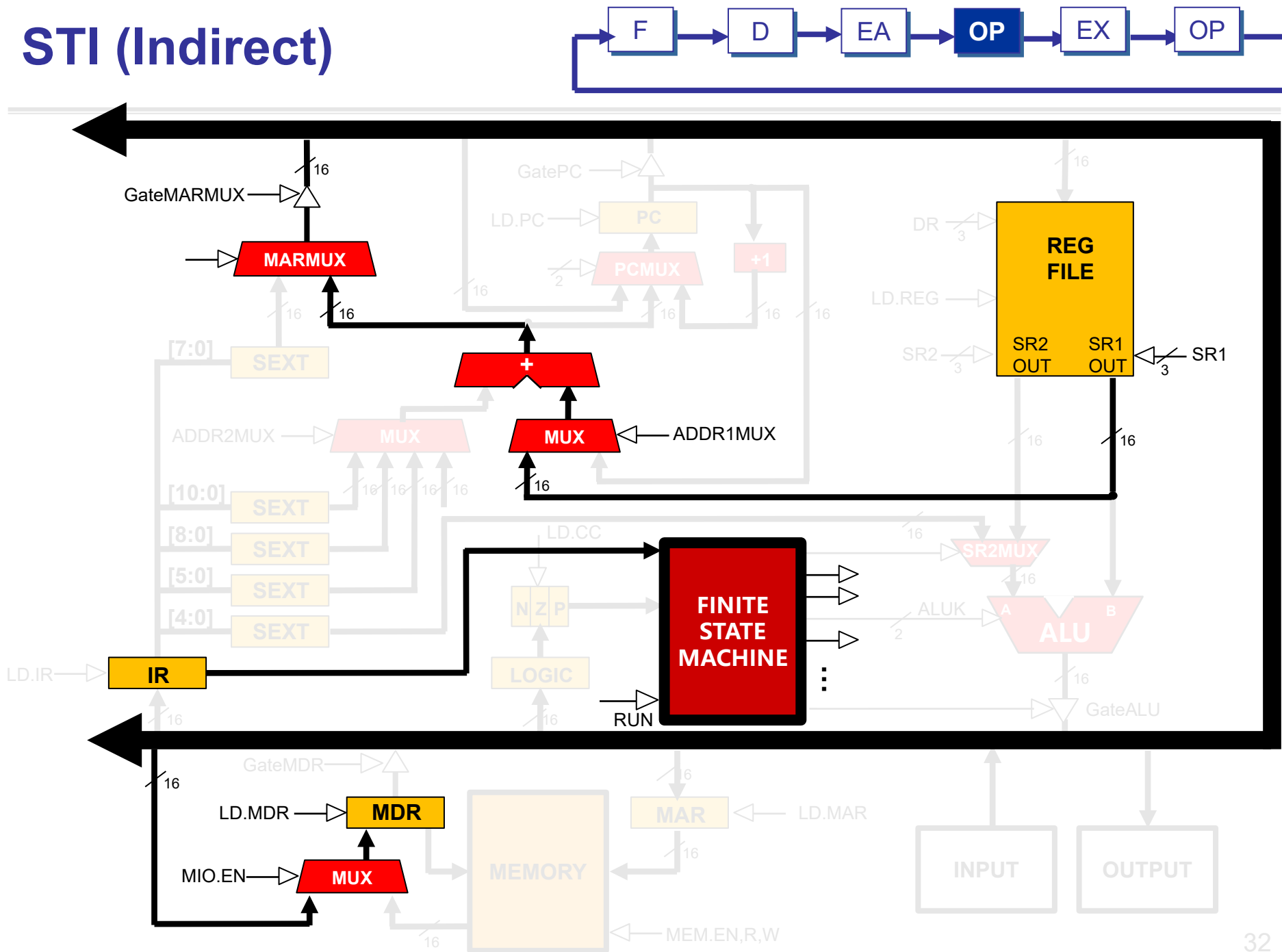
STI (Indirect)



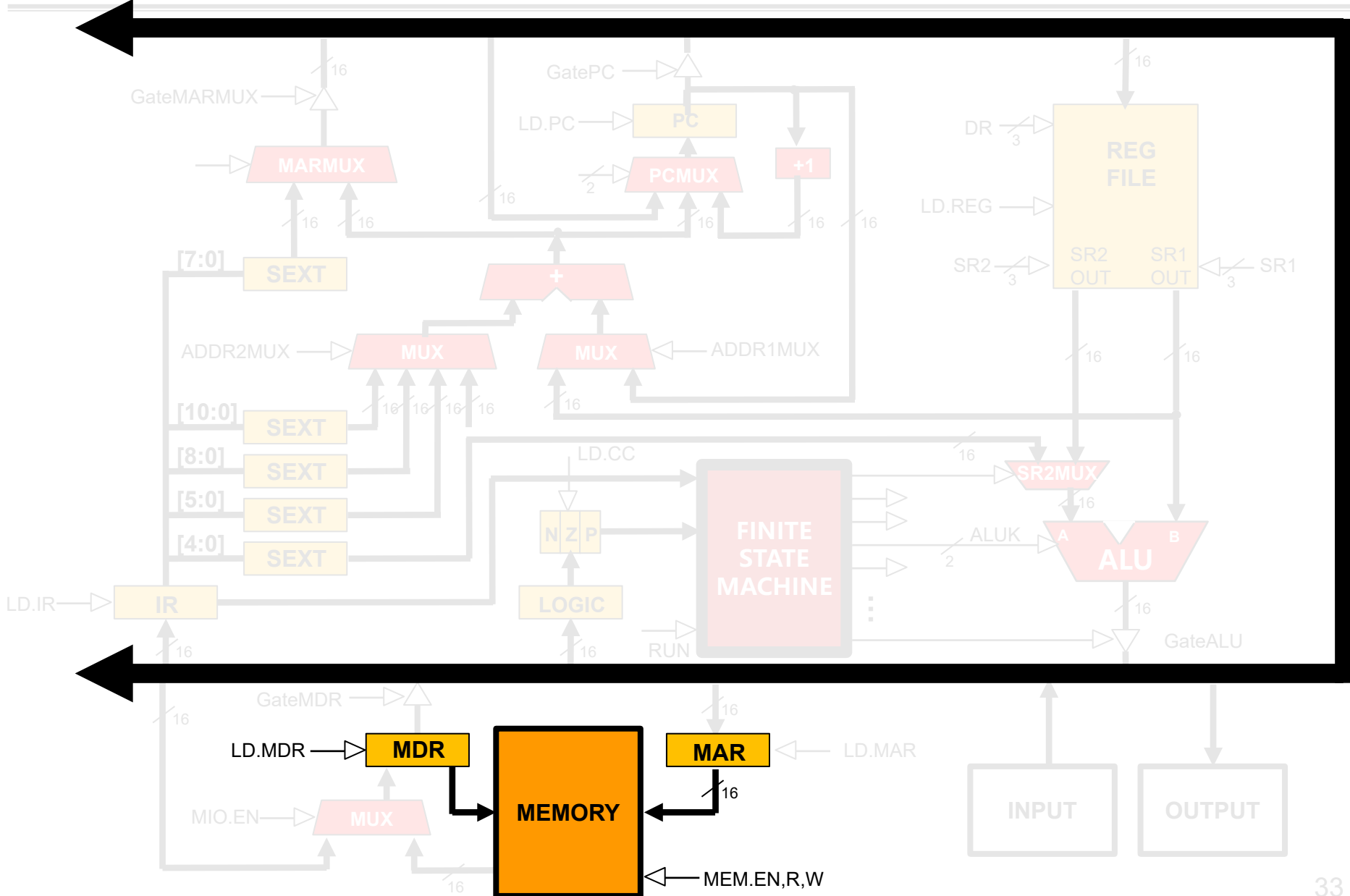
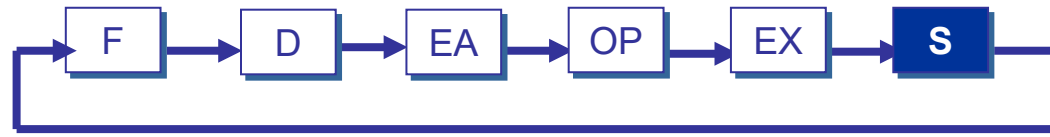
STI (Indirect)



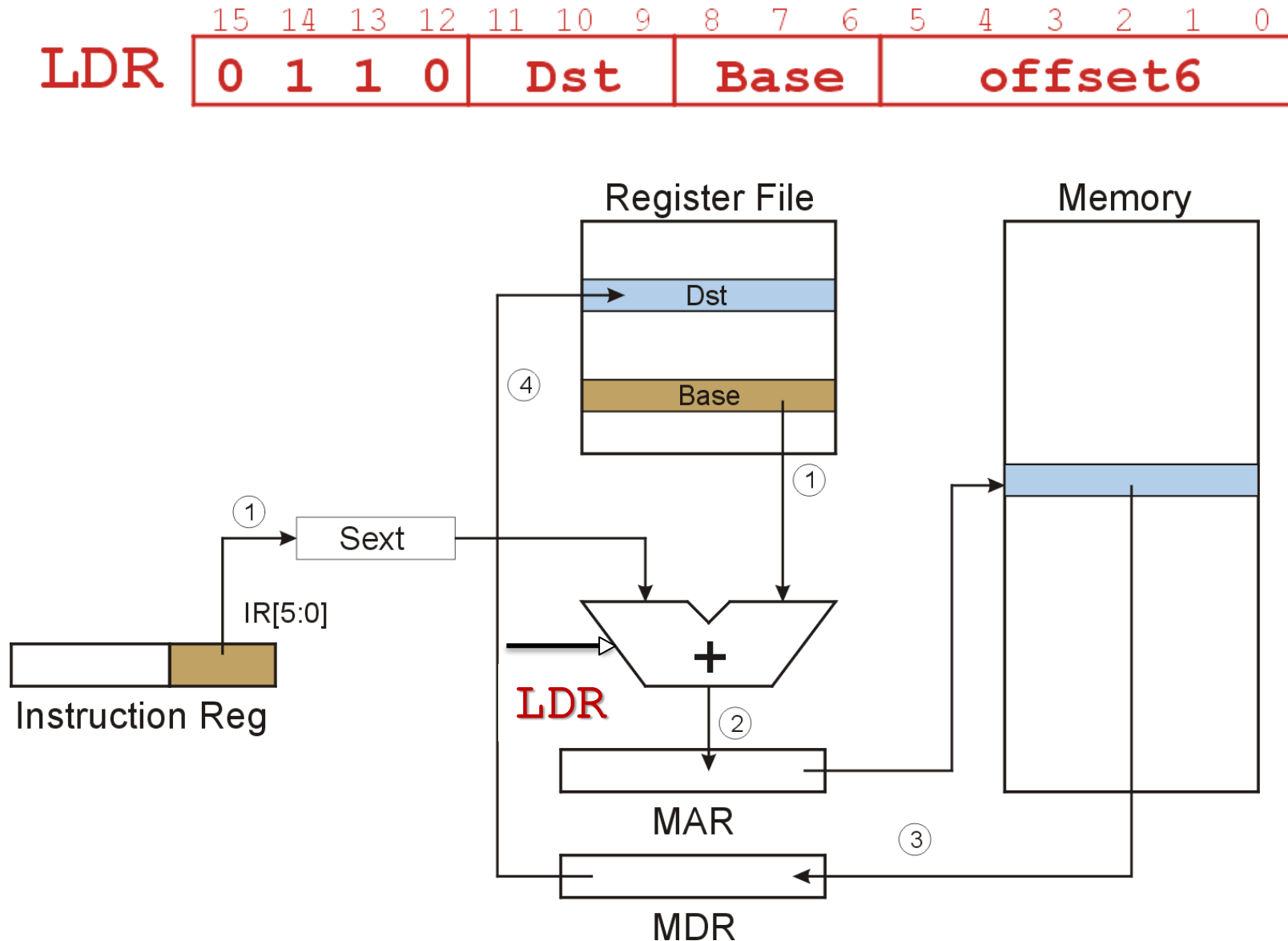
STI (Indirect)



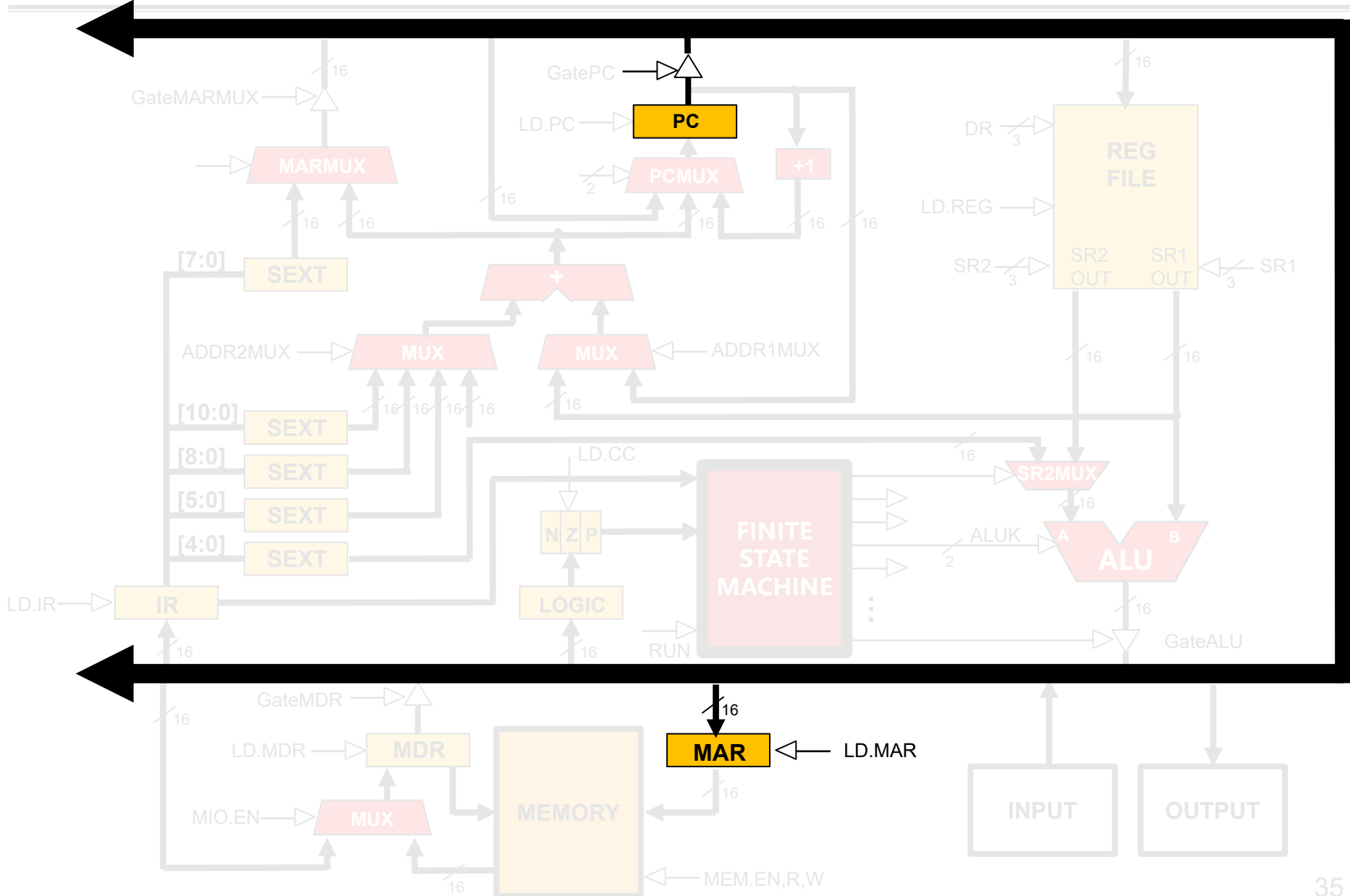
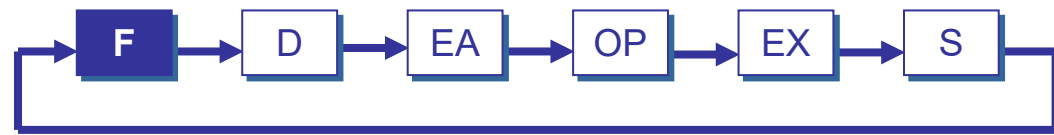
STI (Indirect)



LDR (Base+Offset) LDR DR, BaseR, offset6

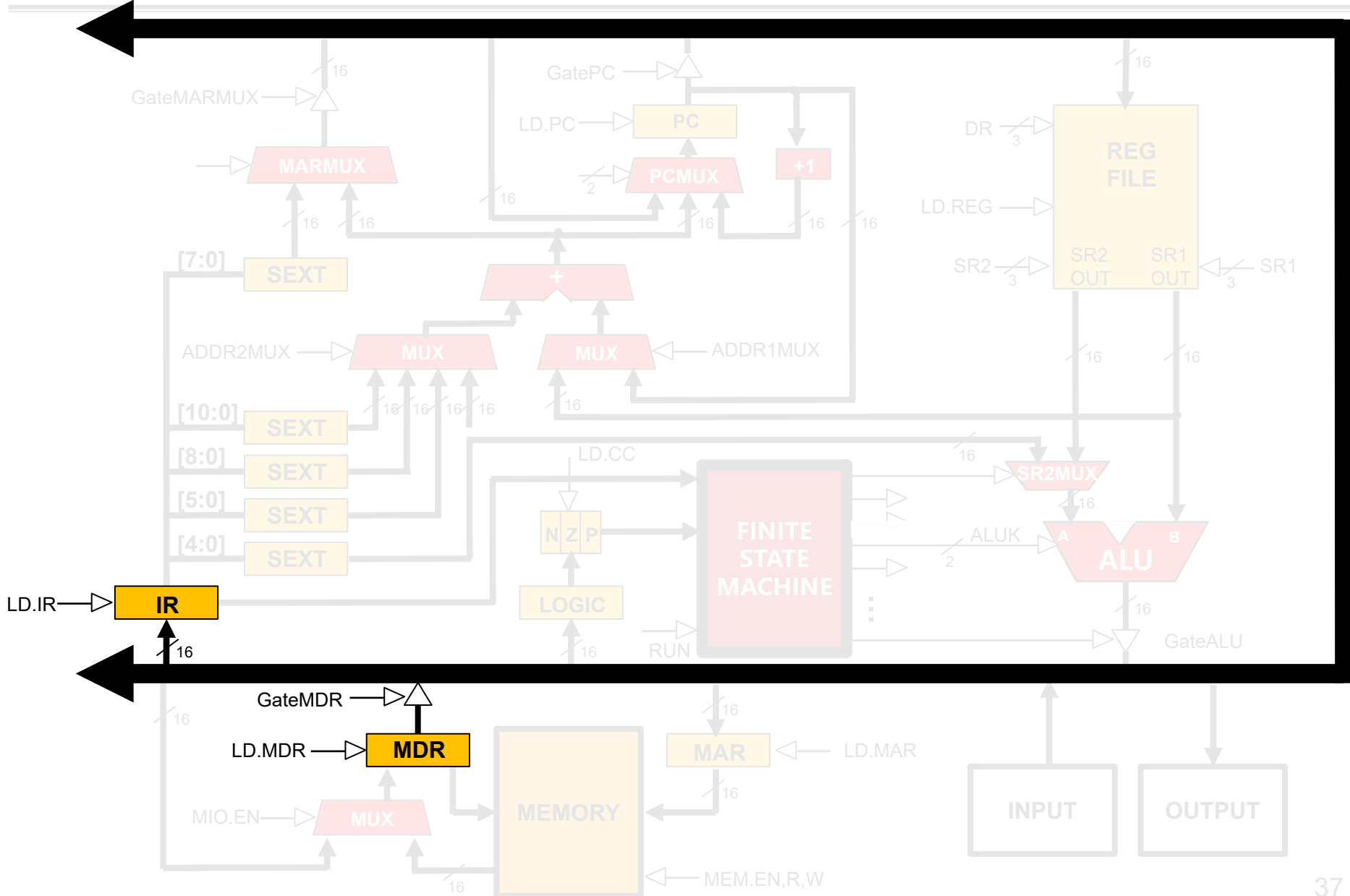
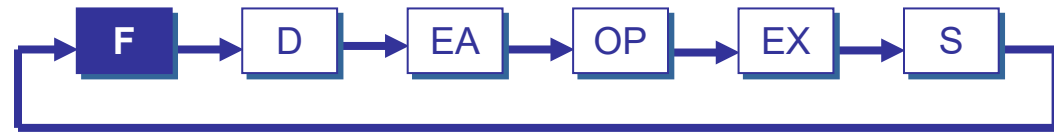


LDR (Base+Offset)

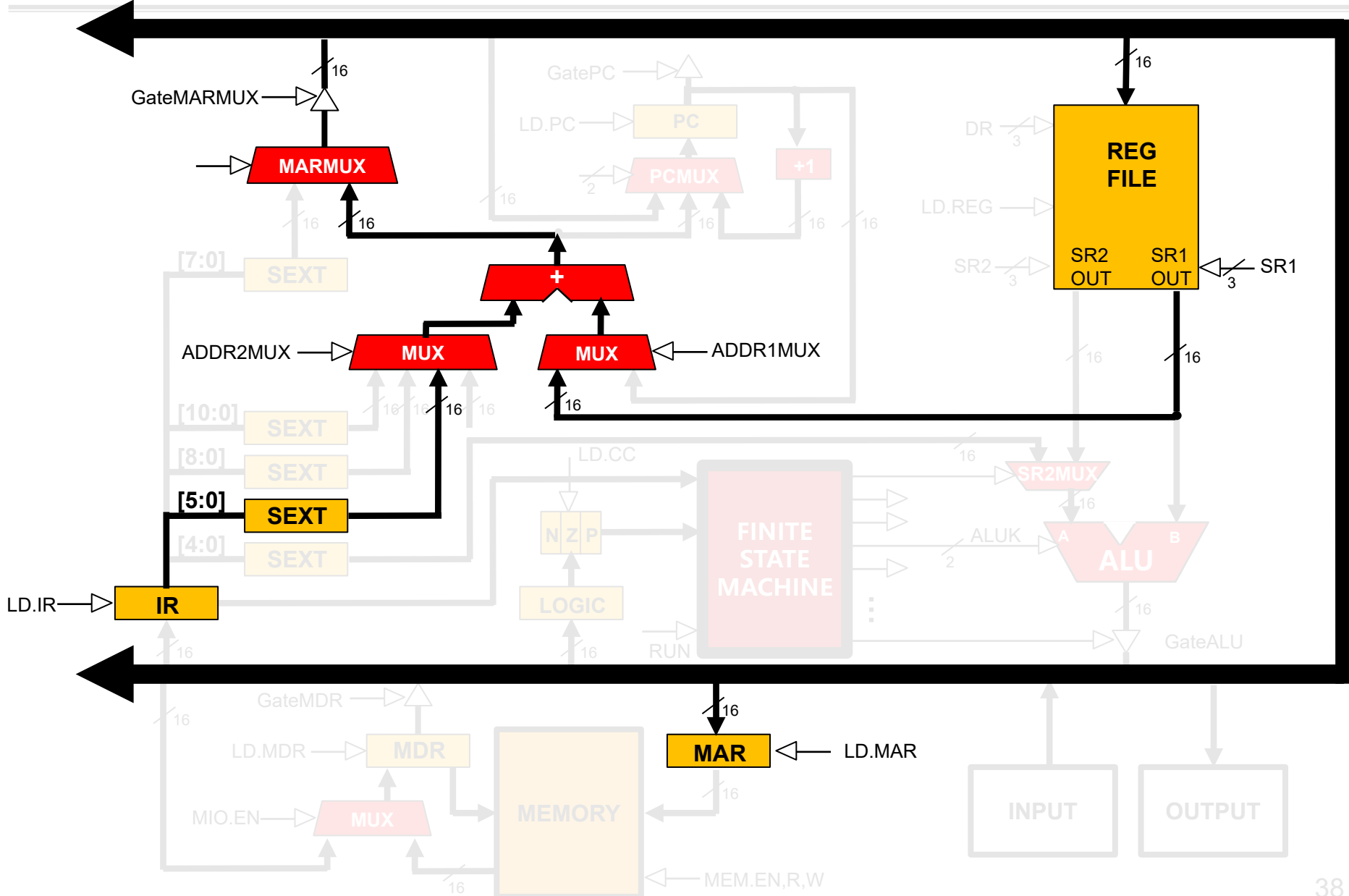
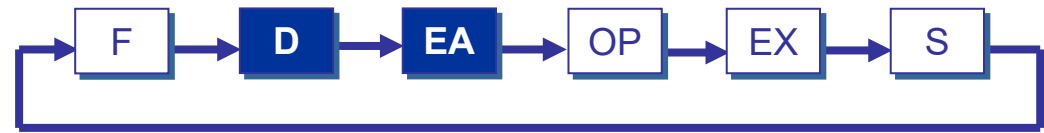


```
graph LR; F[F] --> D[D]; D --> EA[EA]; EA --> OP[OP]; OP --> EX[EX]; EX --> S[S]; S --> F;
```

LDR (Base+Offset)



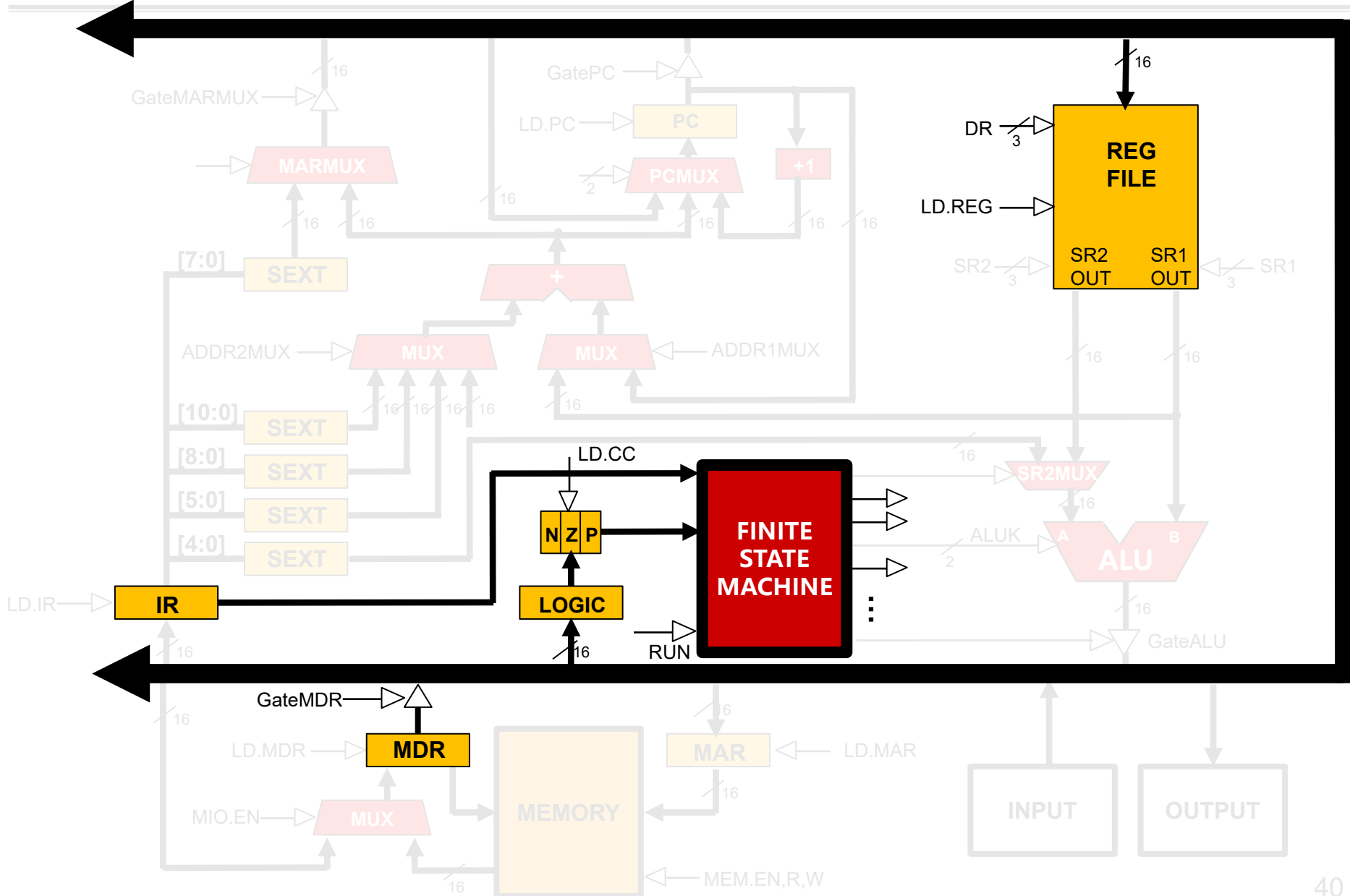
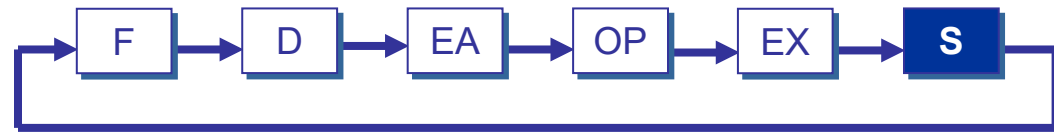
LDR (Base+Offset)



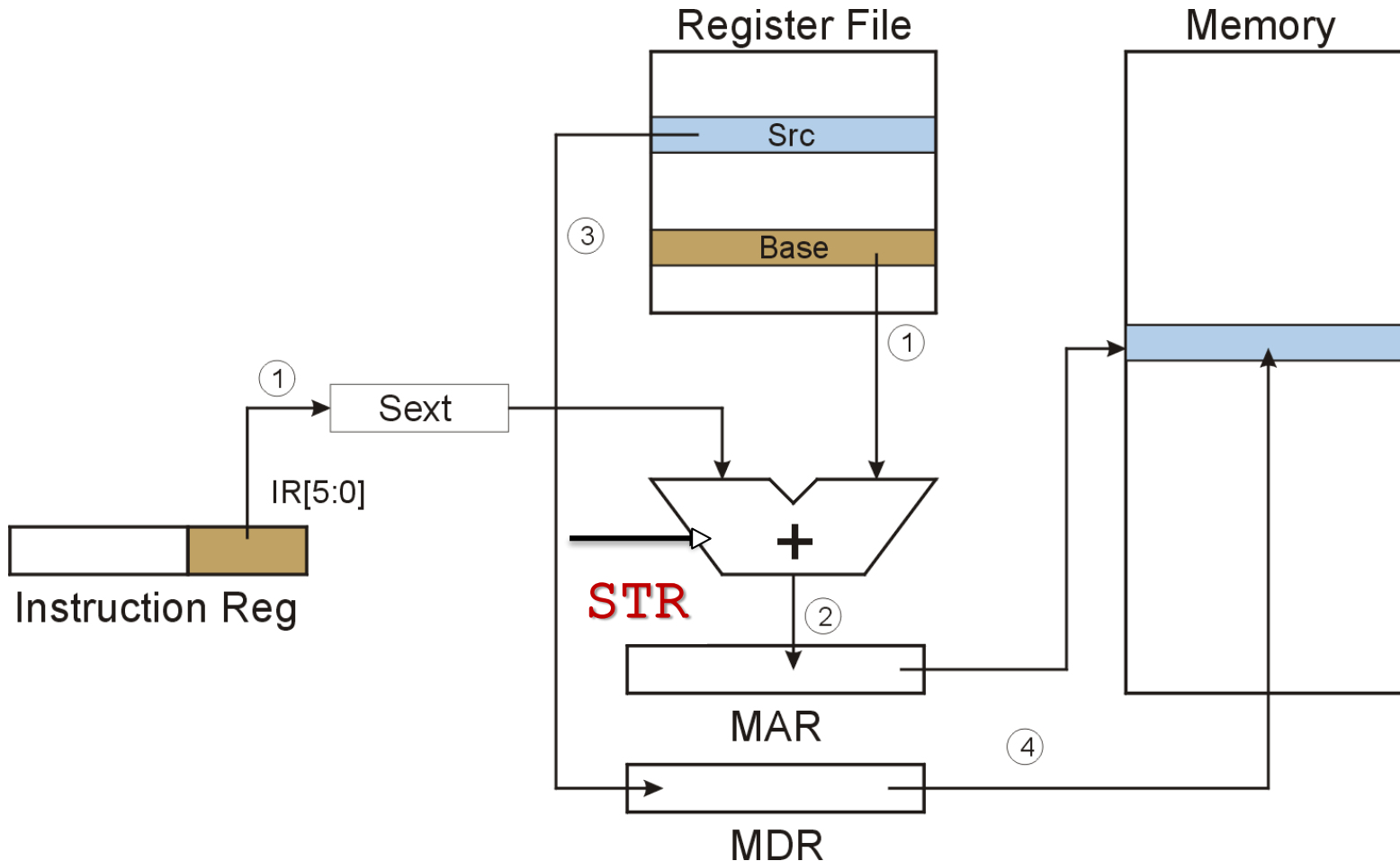
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graph LR
    D1[D] --> D2[D]
    D2 --> EA[EA]
    EA --> OP[OP]
    OP --> EX[EX]
    EX --> S[S]
    S --> D1
  
```

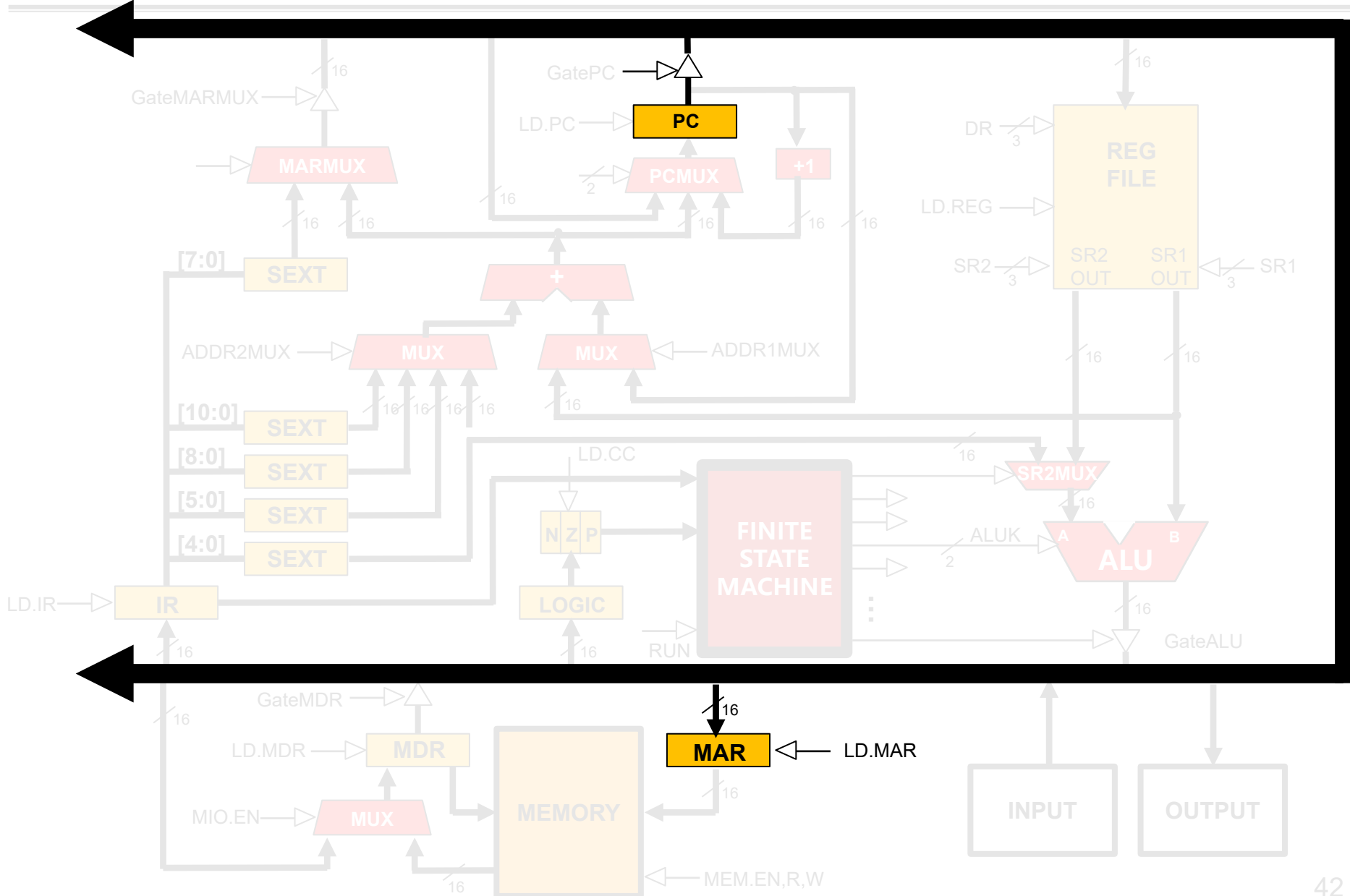
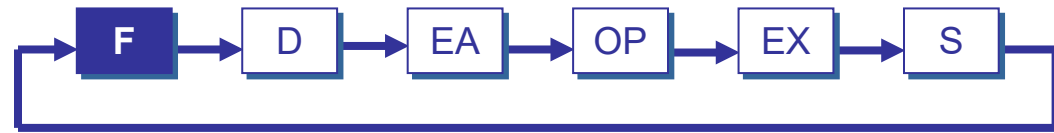
LDR (Base+Offset)



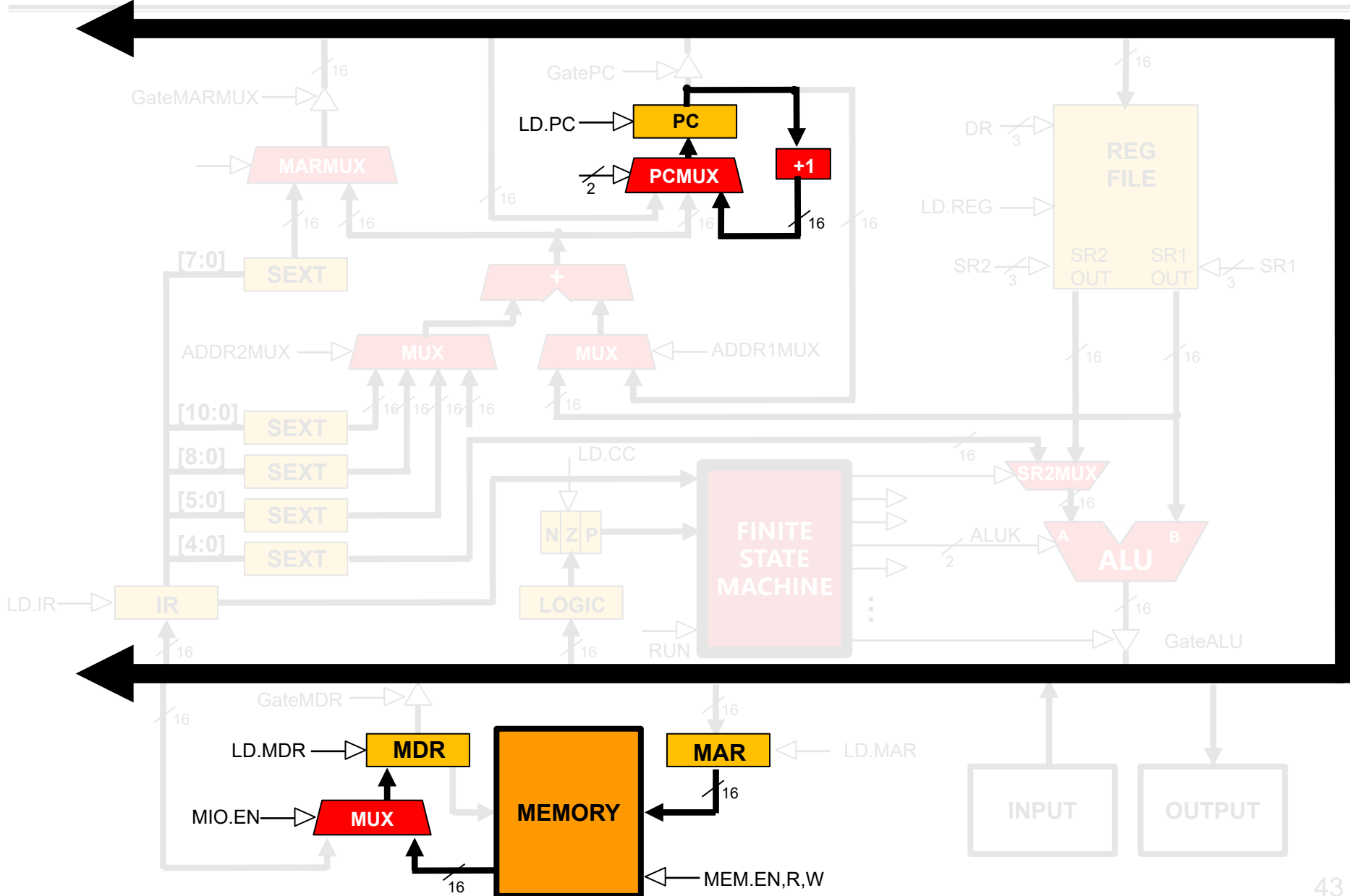
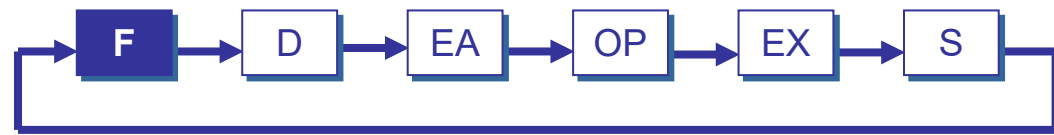
STR (Base+Offset) STR SR, BaseR, offset6



STR (Base+Offset)

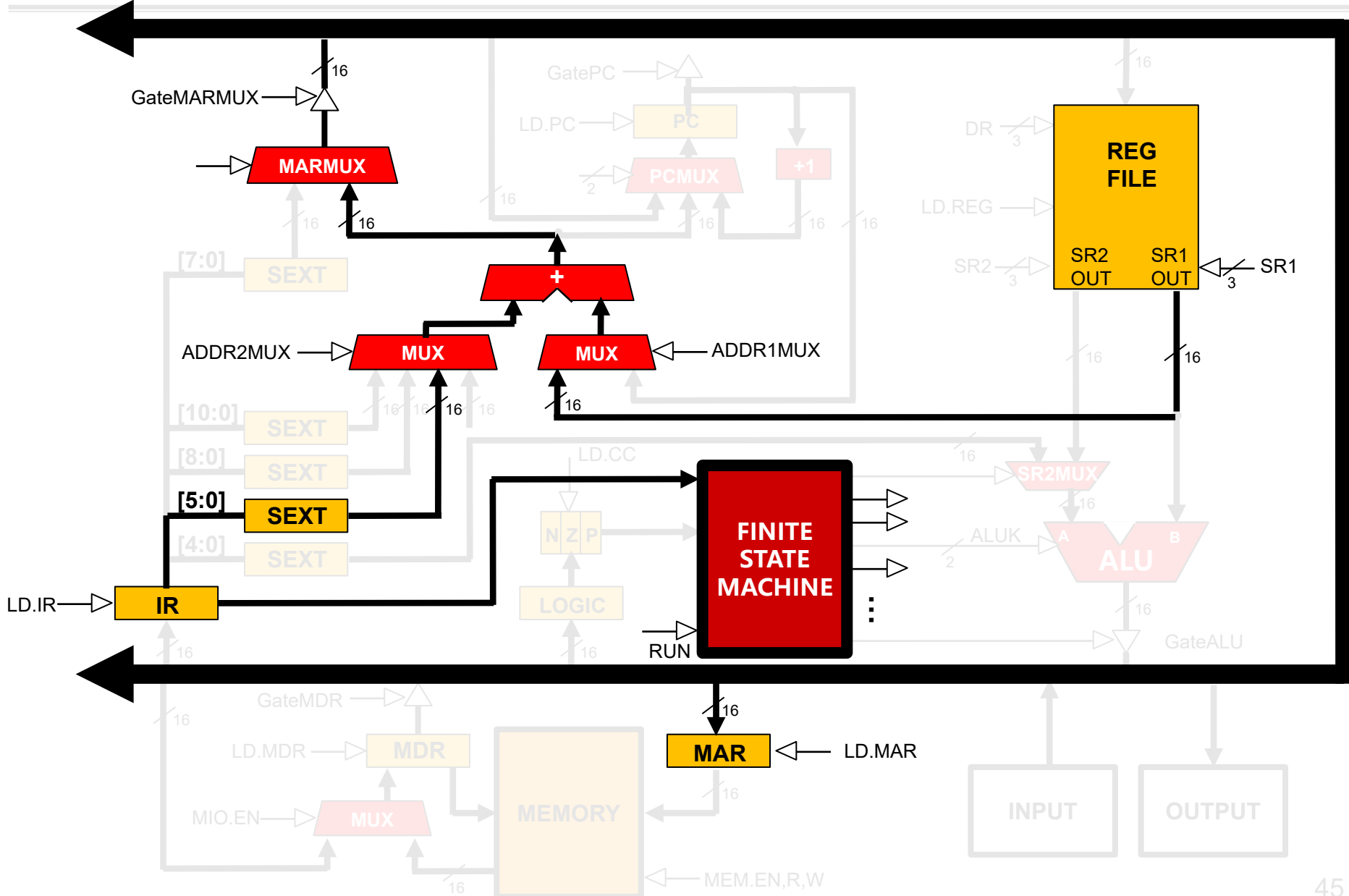
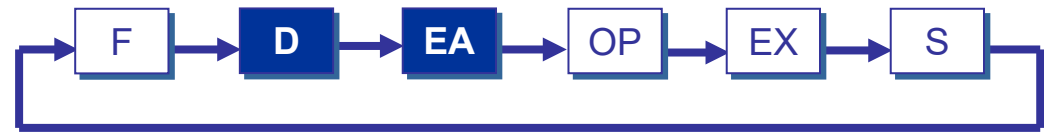


STR (Base+Offset)

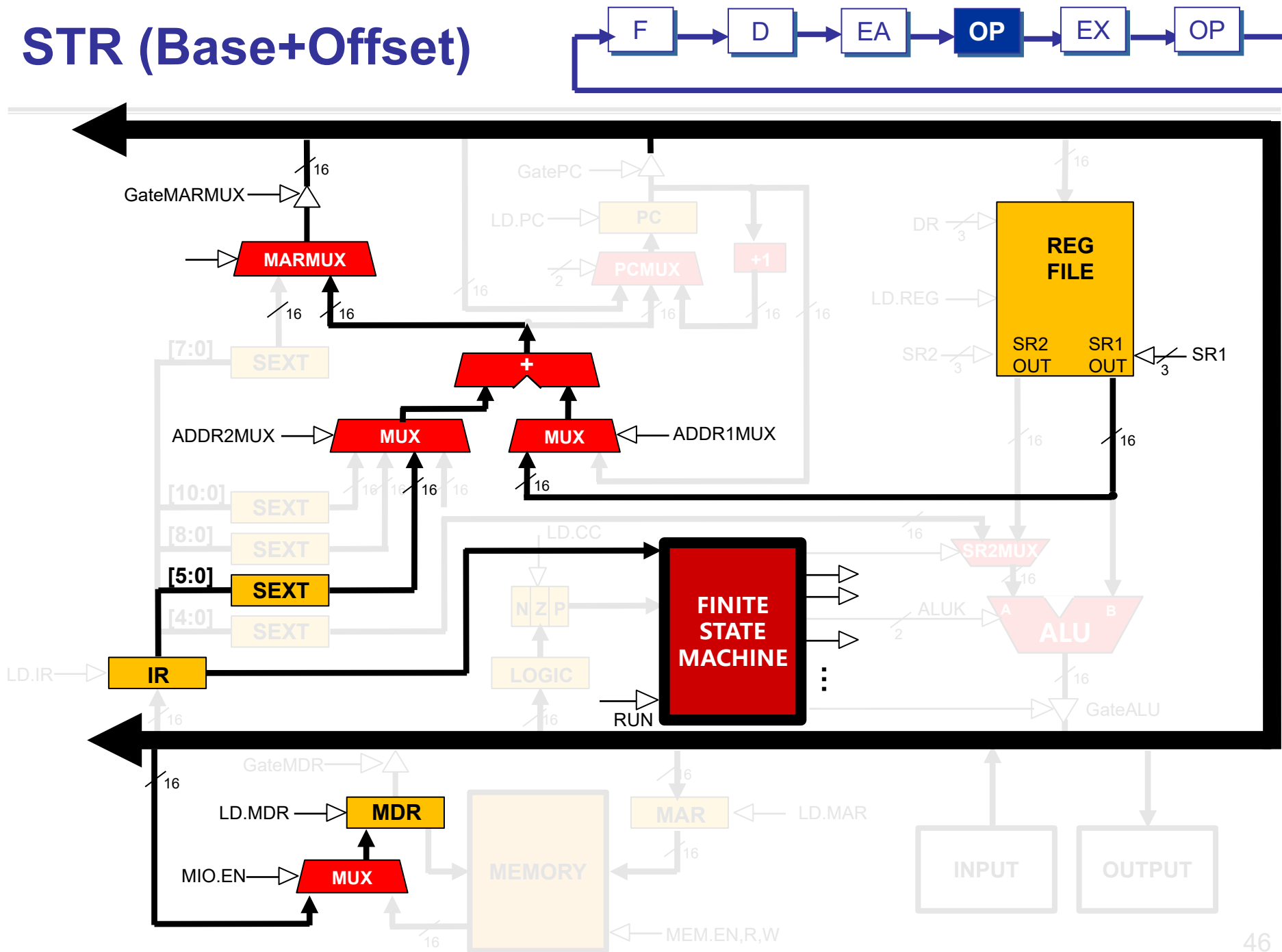


```
graph LR; F[F] --> D[D]; D --> EA[EA]; EA --> OP[OP]; OP --> EX[EX]; EX --> S[S]; S --> F;
```

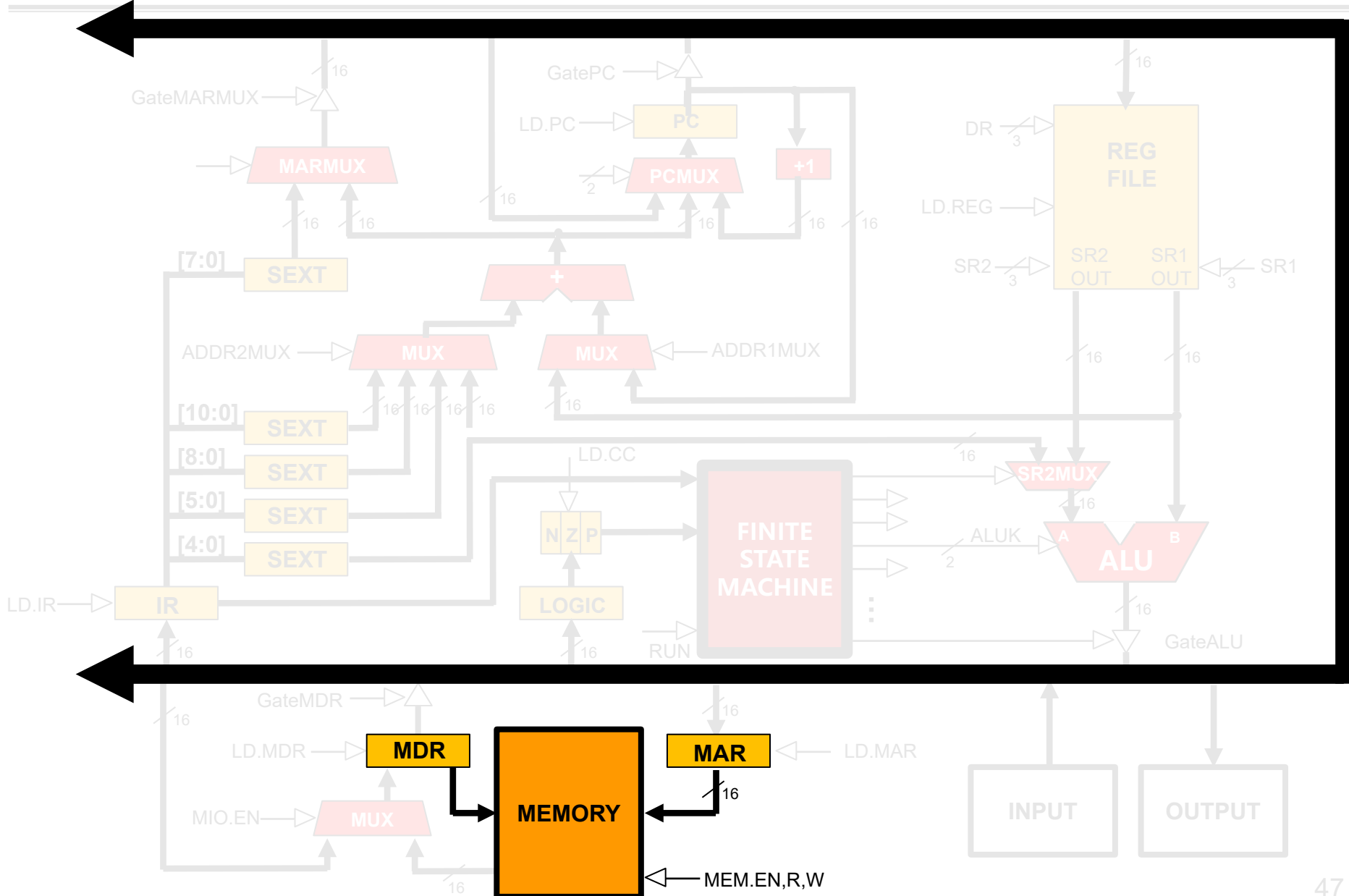
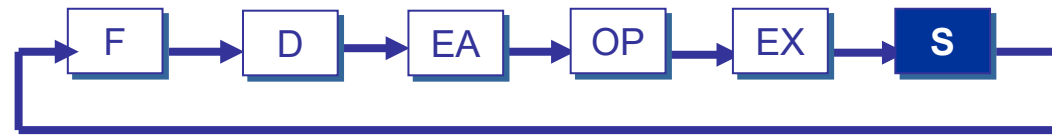
STR (Base+Offset)



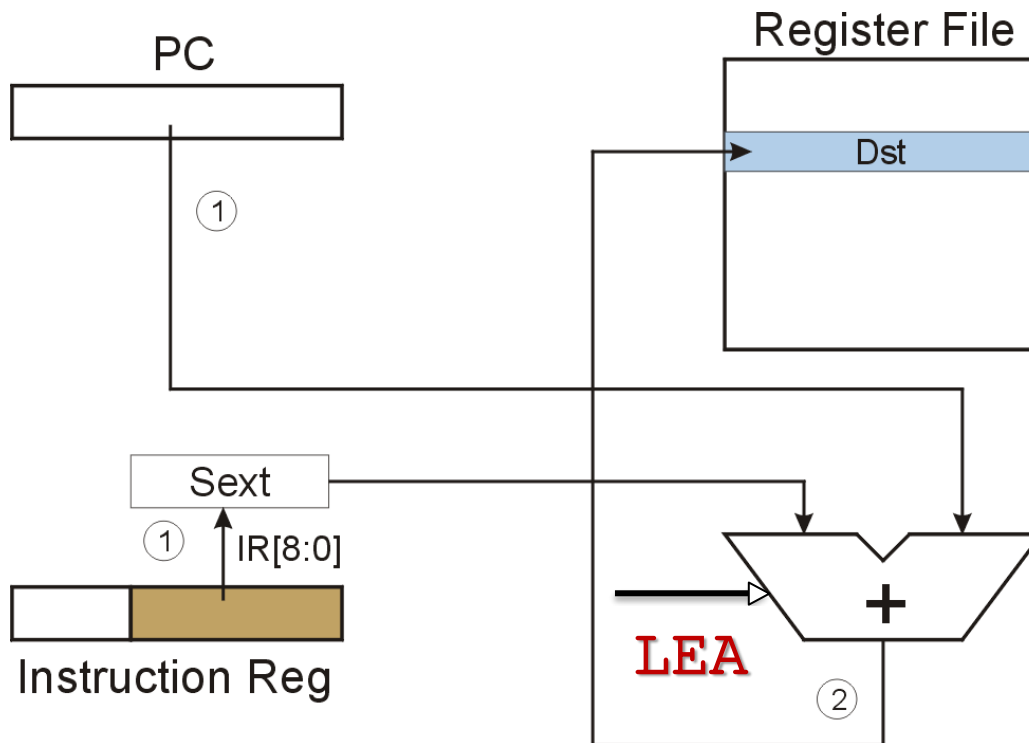
STR (Base+Offset)



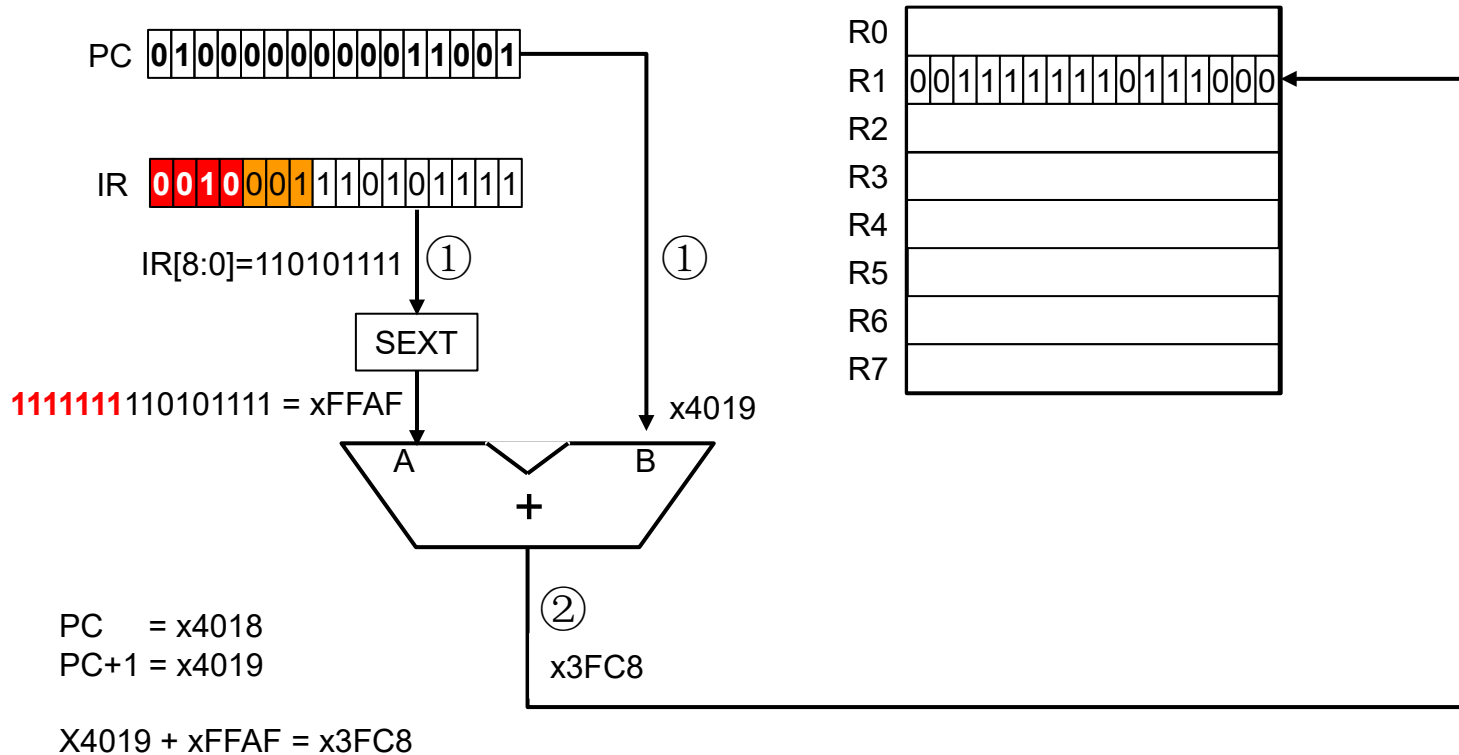
STR (Base+Offset)



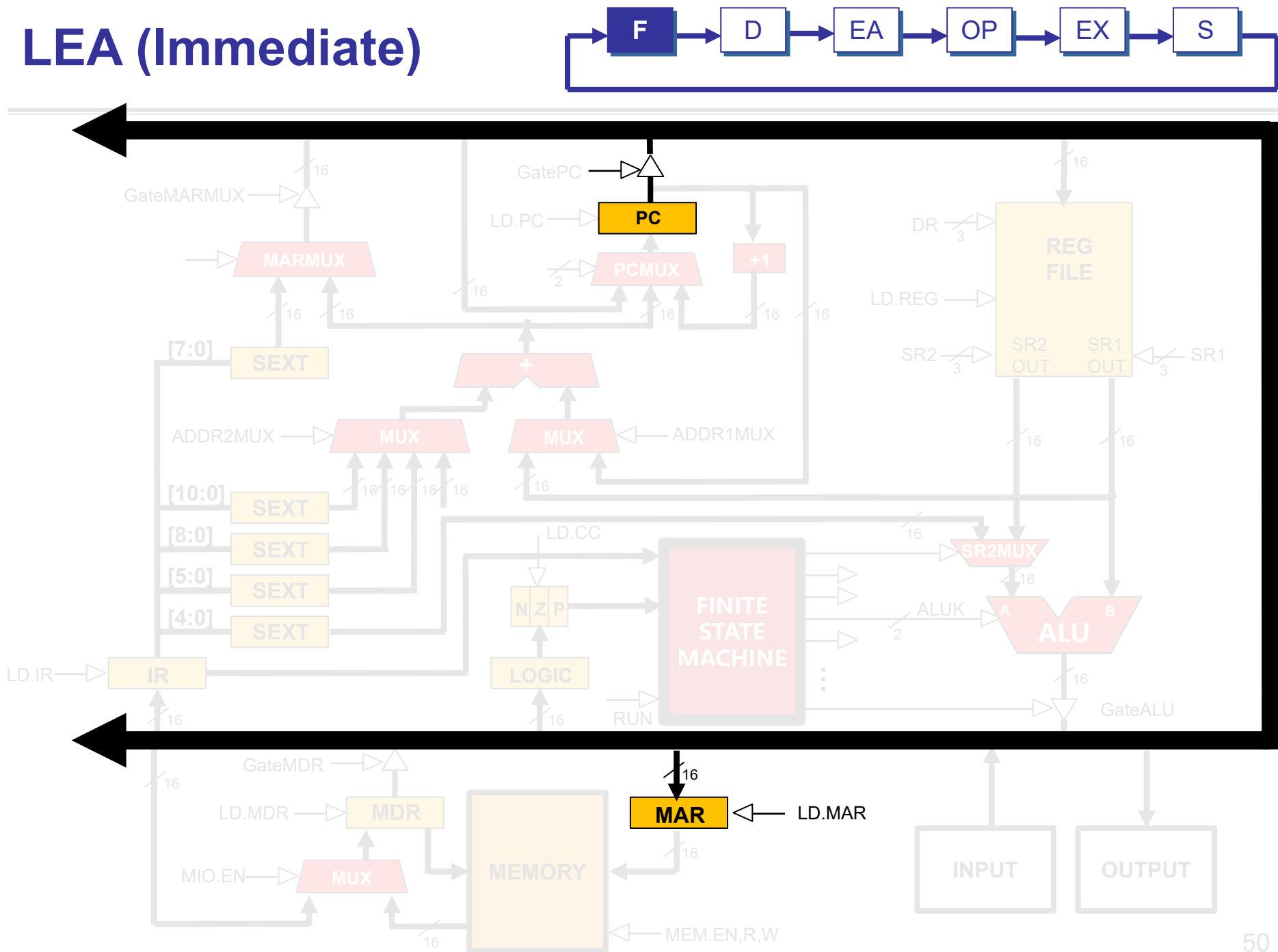
LEA (Immediate) LD DR, PCOffset9



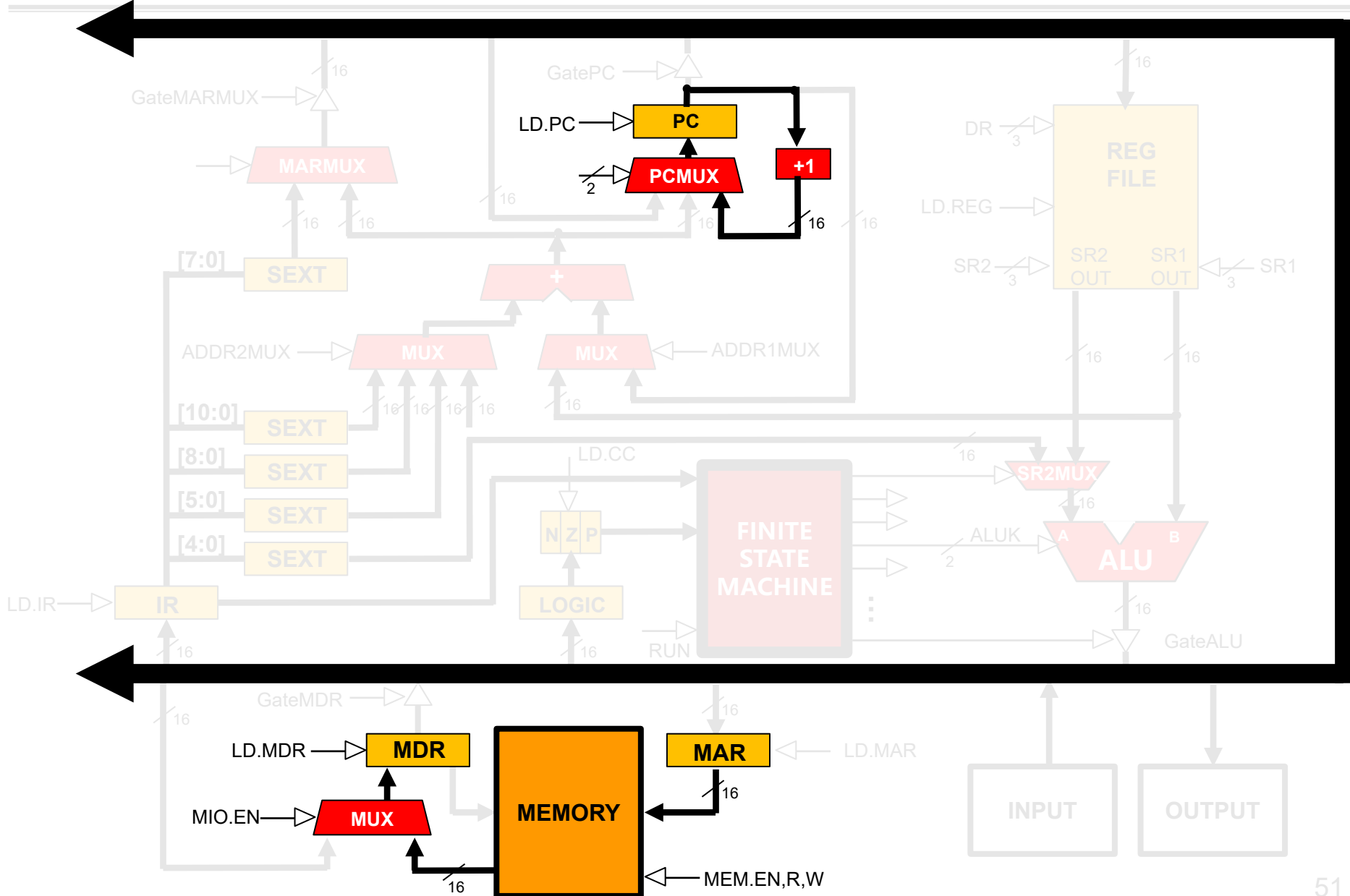
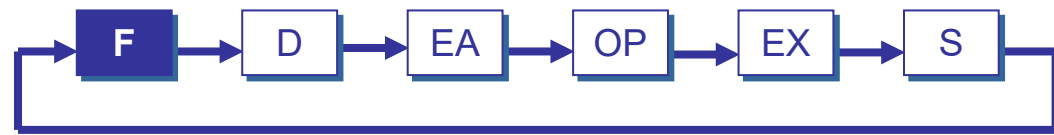
LEA (Immediate): LEA R1, x1AF



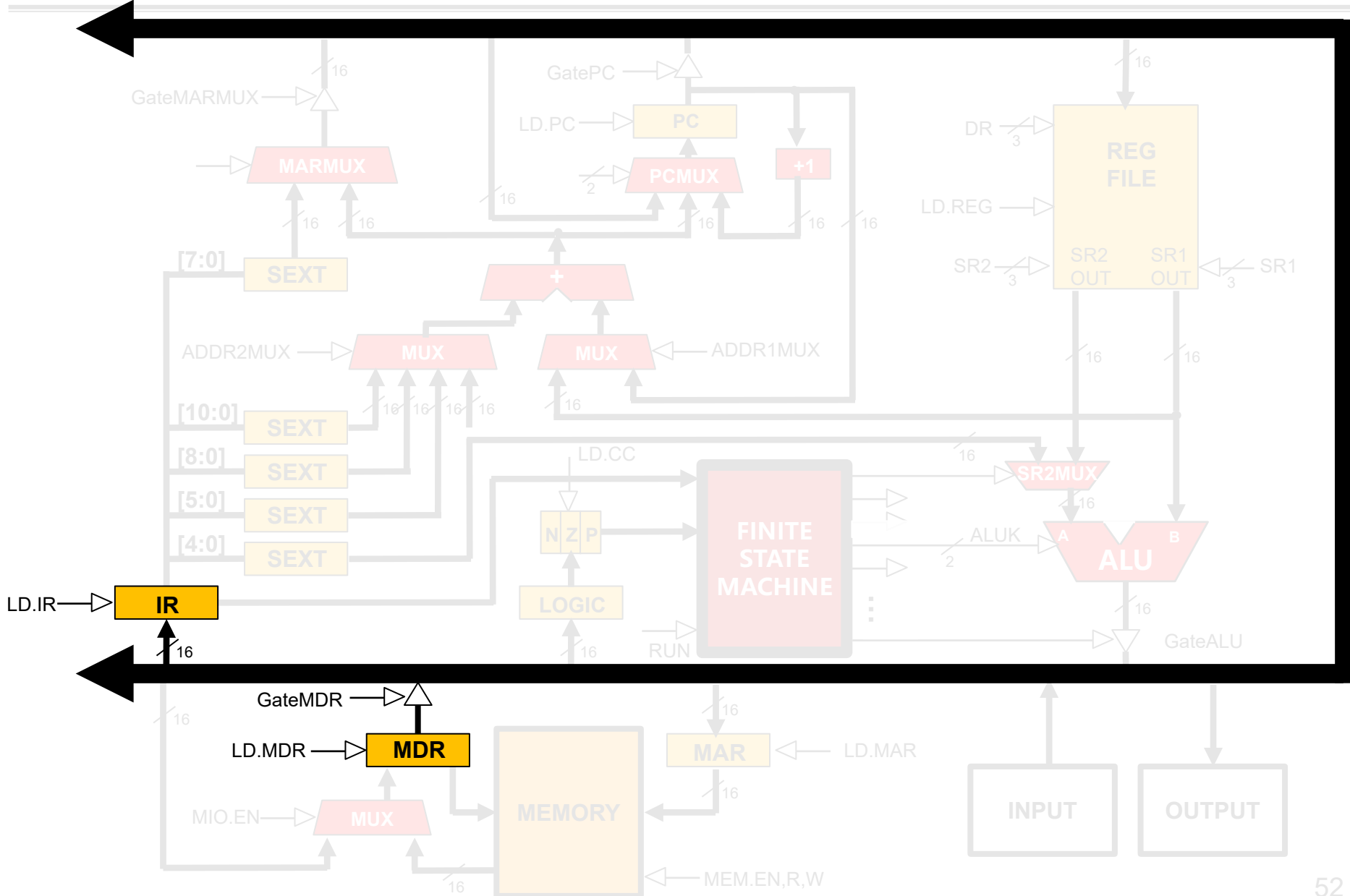
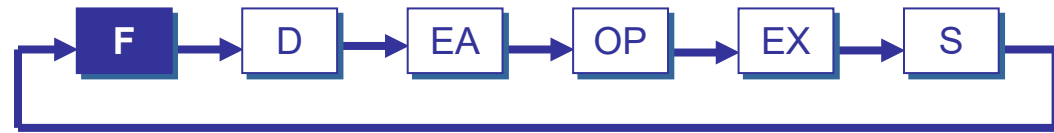
LEA (Immediate)



LEA (Immediate)



LEA (Immediate)



LEA (Immediate)

