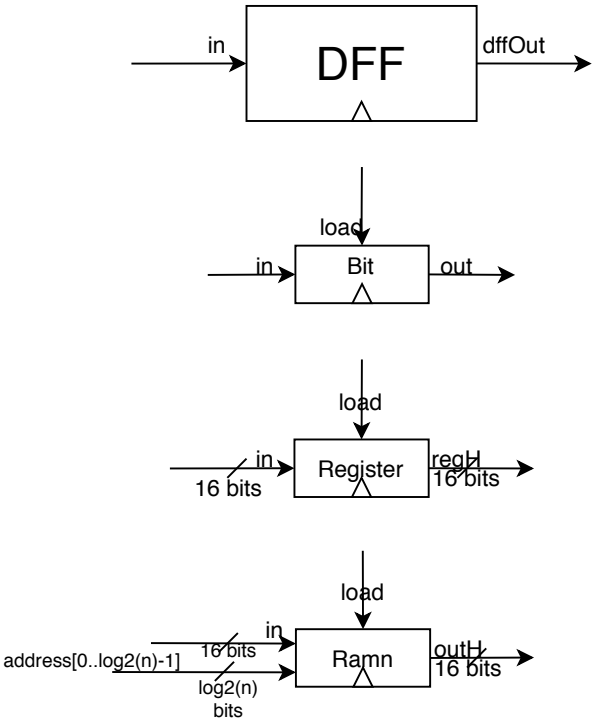


LEGEND:



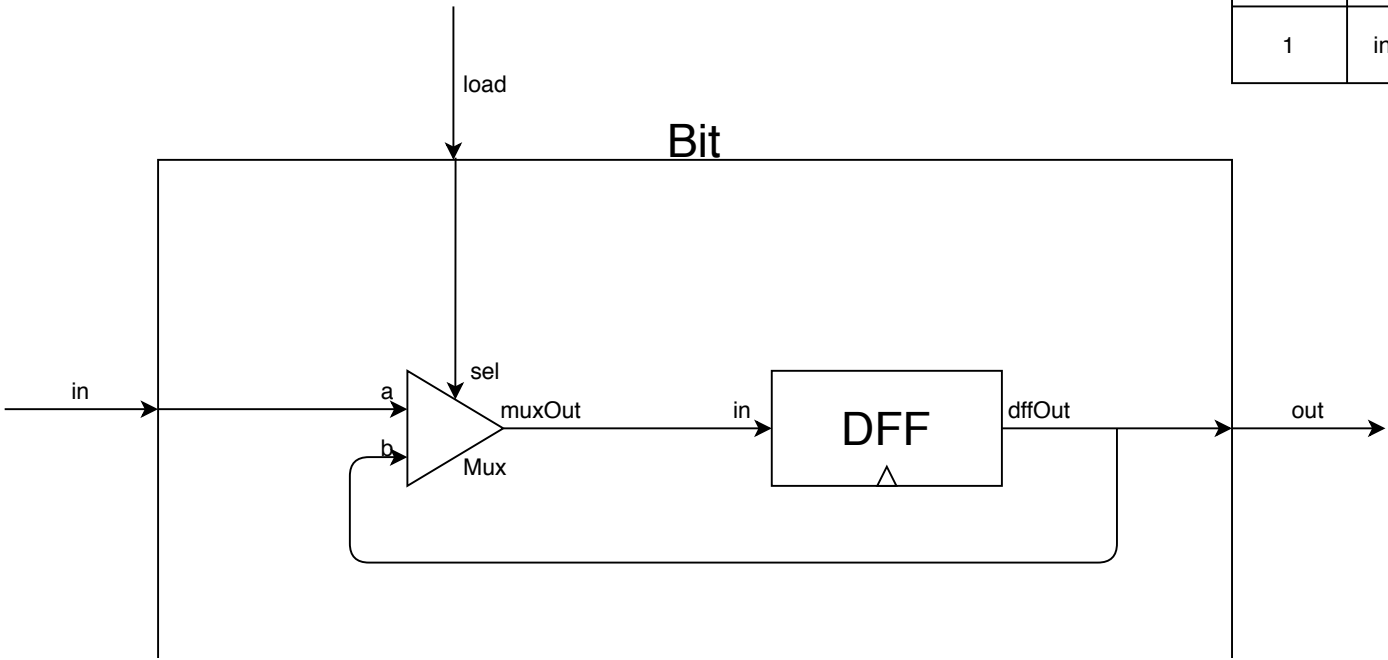
Homework #4

CS220 - Computer Architecture

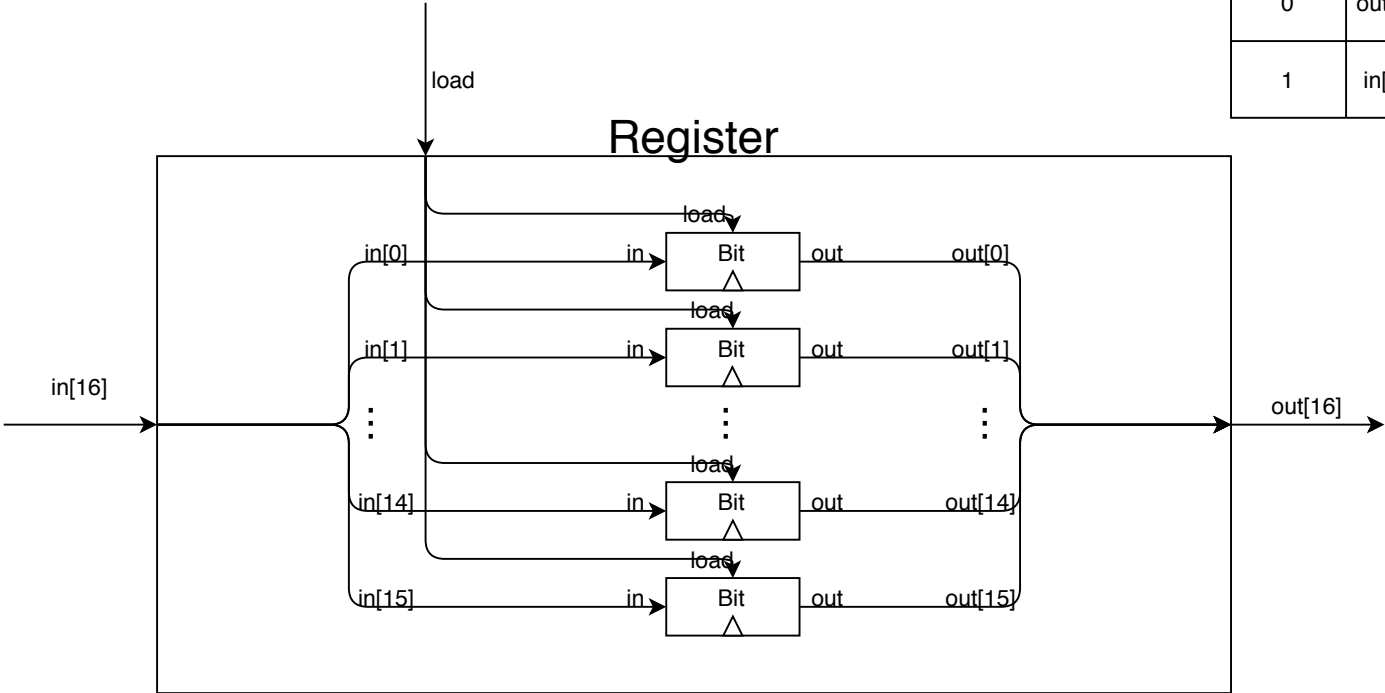
Author: Blake Dowling

Last Modified: 9/26/20

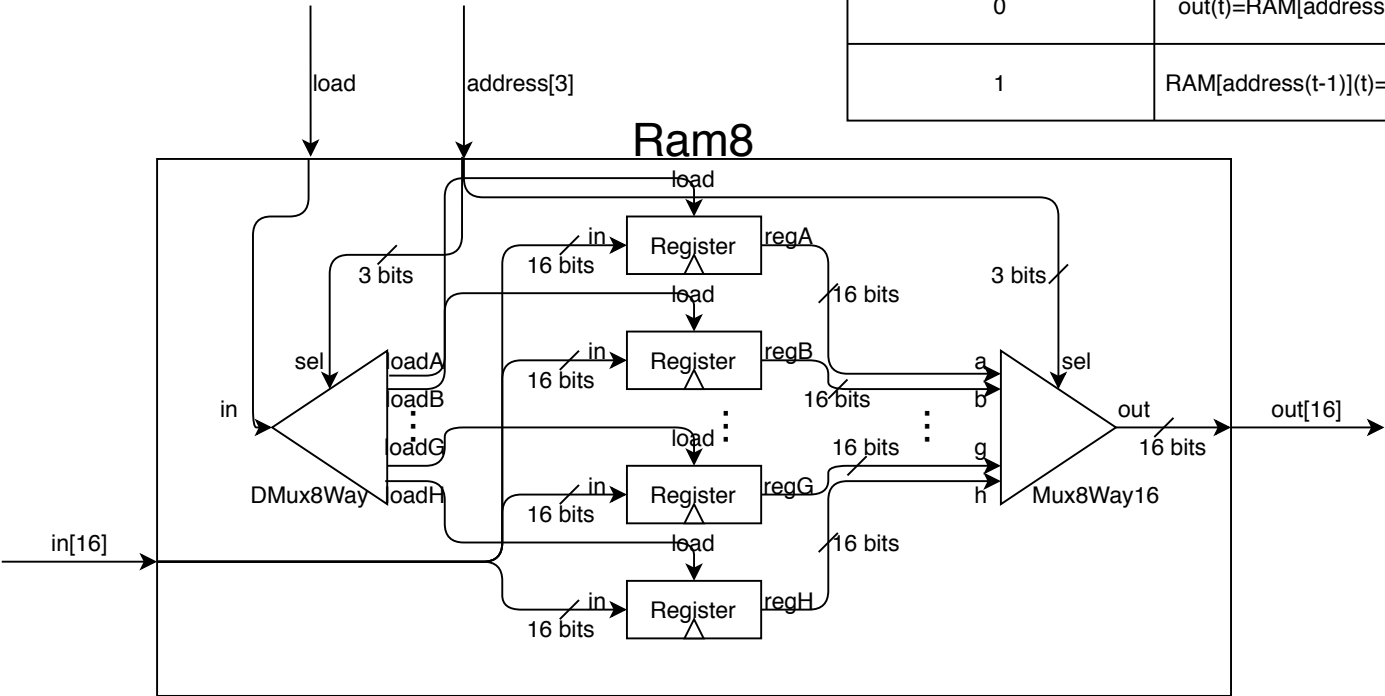
load(t-1)	out(t)
0	out(t-1)
1	in(t-1)



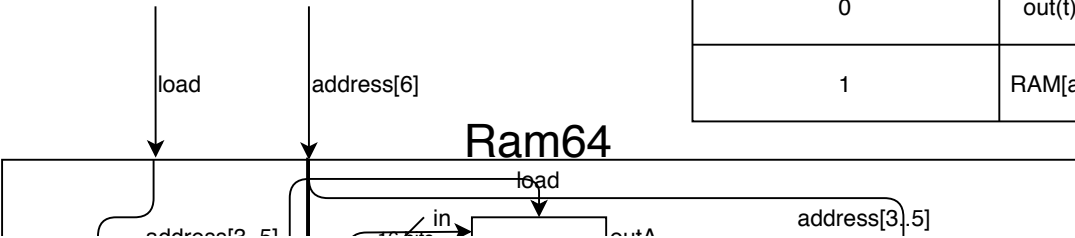
load(t-1)	out[i](t)
0	out[i](t-1)
1	in[i](t-1)

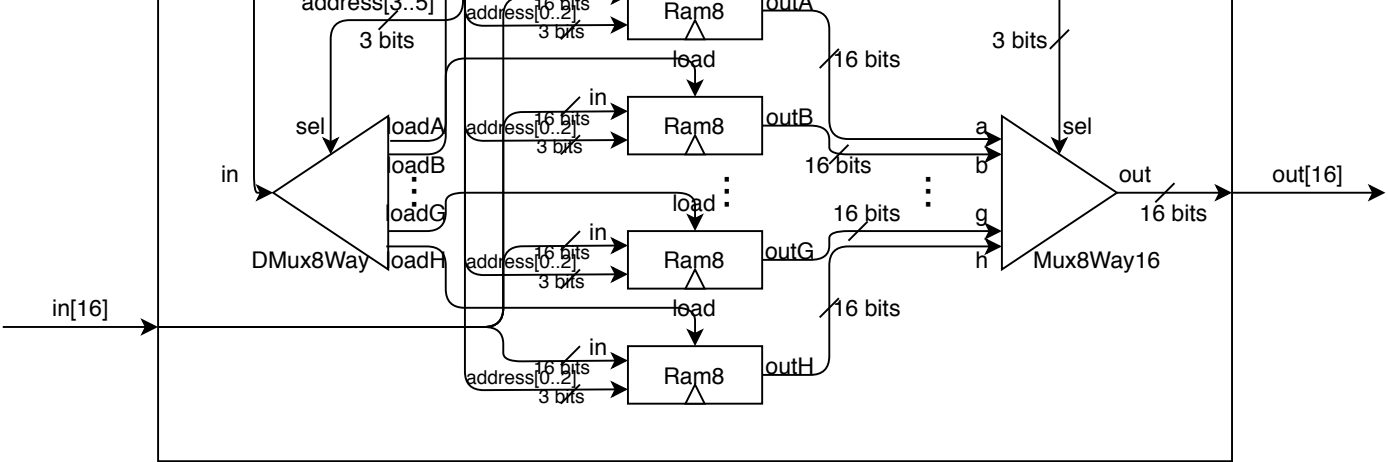


load(t-1)	
0	out(t)=RAM[address(t)](t)
1	RAM[address(t-1)](t)=in(t-1)

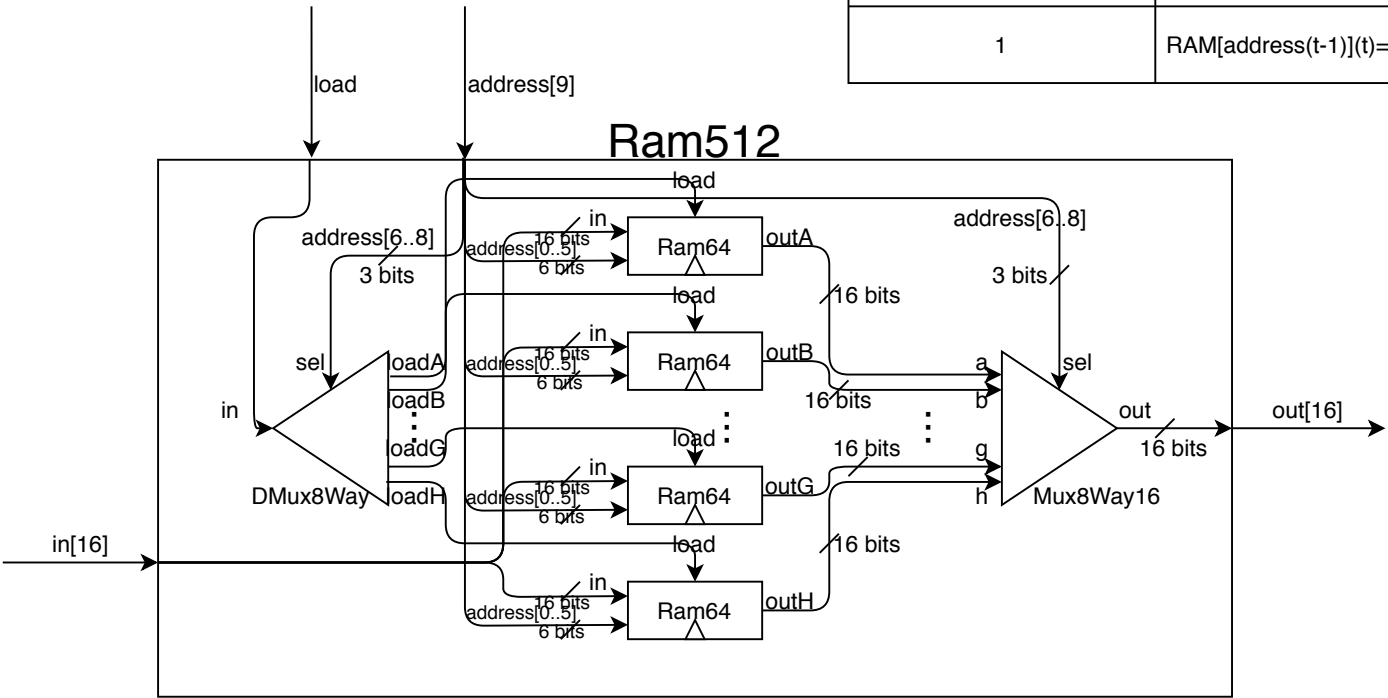


load(t-1)	
0	out(t)=RAM[address(t)](t)
1	RAM[address(t-1)](t)=in(t-1)

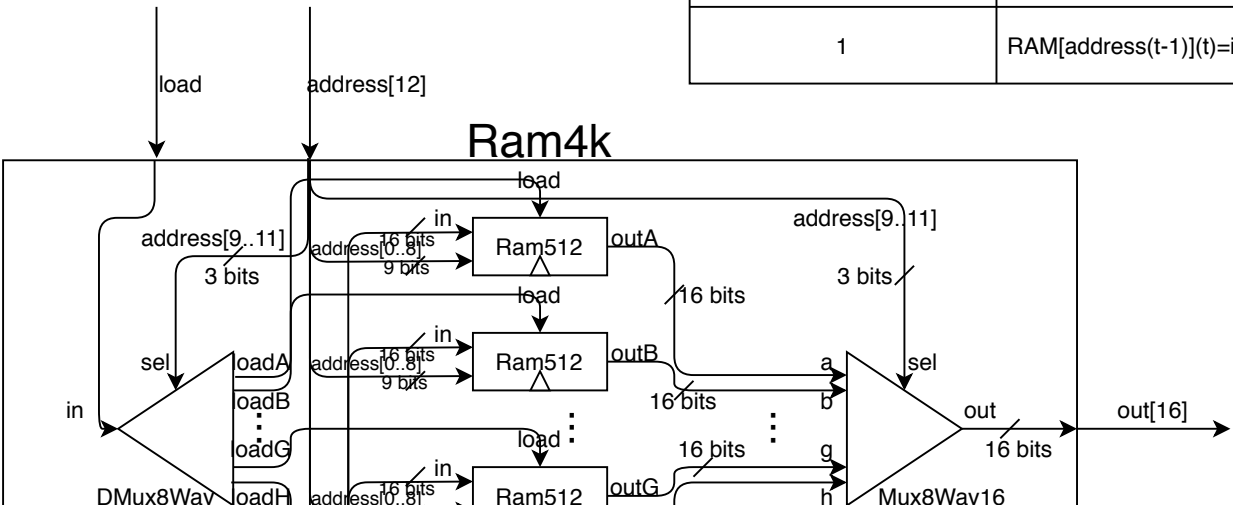




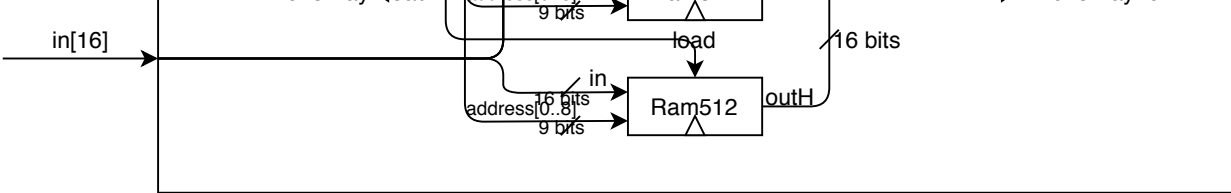
load(t-1)	
0	$out(t) = RAM[address(t)](t)$
1	$RAM[address(t-1)](t) = in(t-1)$



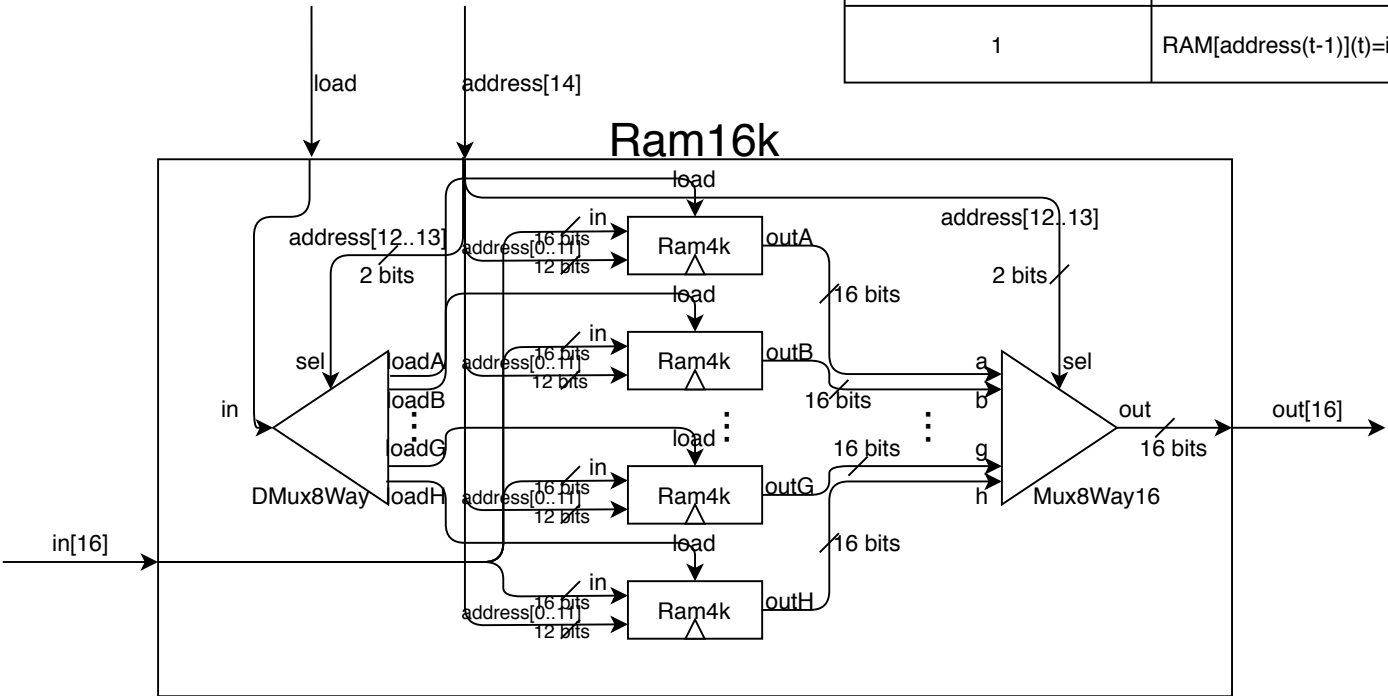
load(t-1)	
0	$out(t) = RAM[address(t)](t)$
1	$RAM[address(t-1)](t) = in(t-1)$



Ram4k



load(t-1)	
0	$out(t) = RAM[address(t)](t)$
1	$RAM[address(t-1)](t) = in(t-1)$



reset(t-1)	load(t-1)	inc(t-1)	out(t)
0	0	0	$out(t-1)$
0	0	1	$out(t-1) + 1$
0	1	0	$in(t-1)$
0	1	1	$in(t-1)$
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	0

PC

