Time	100 ns 200 ns 300 ns
b[3:0]	5 \(\times \) \(\lambda \) \
sel[1:0]	+ /xx /01/xx /01/xx /01/xx
y[3:0]	$4 \times 4 \times$
din[3:0]	$x \downarrow 0 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
dout[3:0]	\times /0 /x /4 /x /0 /x /4
we	
din[3:0]	\overline{X} $\sqrt{4}$ $\sqrt{2}$ \sqrt{X} $\sqrt{4}$ \sqrt{X} $\sqrt{4}$ \sqrt{X} \sqrt{X}
dout[3:0]	5 XX X4 X2 XX X4 XX X4 XX Xx
alu_sel[1:0]	+ \(\text{xx} \) \(\text{(01)}\(\text{xx} \) \(\text{(01)}\(\text{xx} \)
br_sel	
dm_re	
dm_we	
dr_sel	
gr_sel	
gr_we	
ir_we	
iru[3:0]	0
pr_sel	
pr_we	
adrs[3:0]	5 XX X4 X2 XX X4 XX XX XX
din[3:0]	x (0 (x (4 (x (0 (x (4 (x (x (4 (x (x (4 (x (4)(x (4)(x)(x (4)(x (4)(x)(4)(x (4)(x (4)(x (4)(x (4)(x (4)(x (4)(x)(x(4)(x)(4)(x (4)(x)(x (4)(x (4)(x)(x(4)(x)(4)(x)(x(4)(x)(x((4)(x)(4)(x)(x((4)(x)(x(4
dout[3:0]	\mathbf{x} \mathbf{y} \mathbf{y}
m0[3:0]	0
m1[3:0]	0
m2[3:0]	0
m3[3:0]	0