

28

Sobel

第46讲

FIFO求和实验

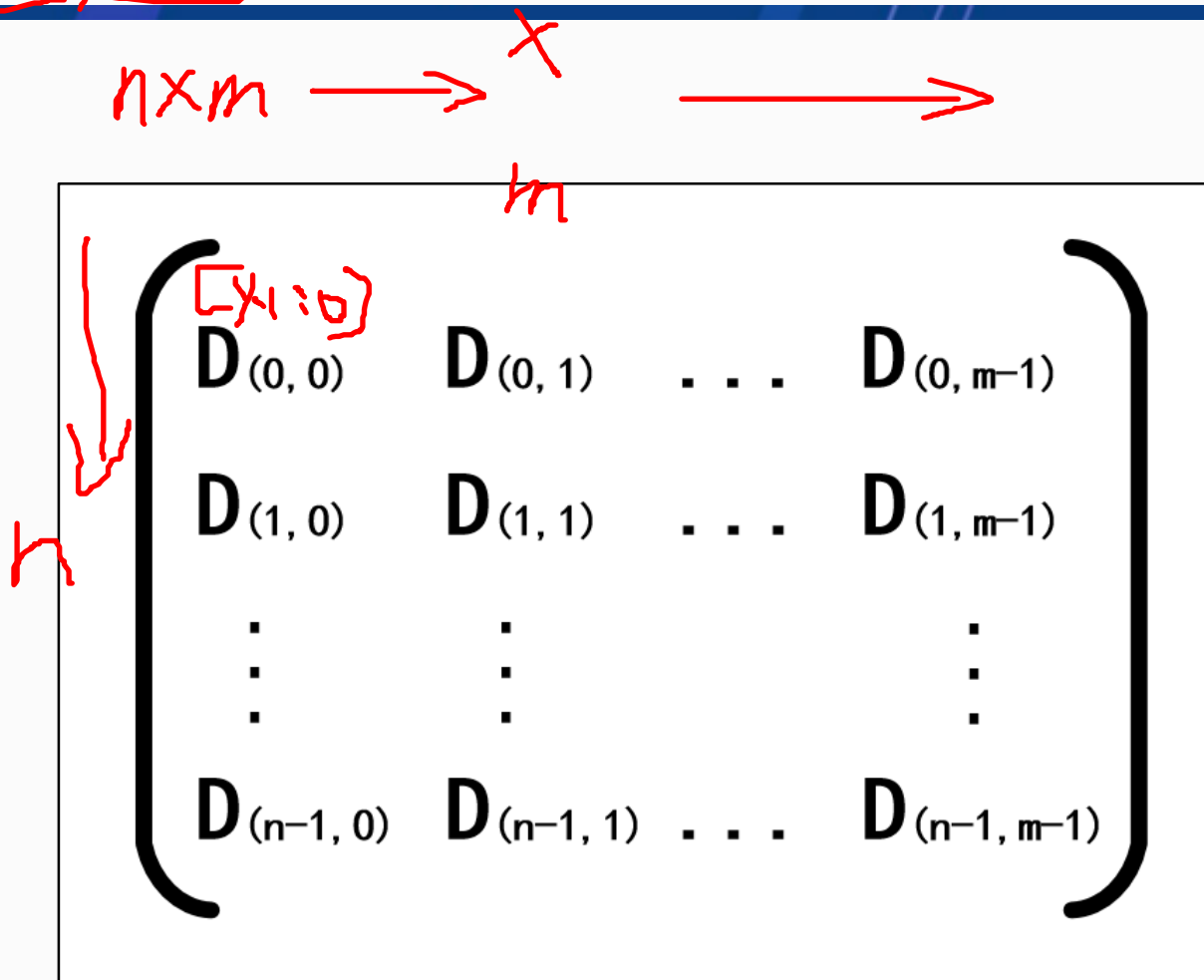


公众号



淘宝店铺

# FIFO求和实验



# FIFO求和实验

$$m=9$$

$$p=m-(x-1) \\ =5-2=3=p$$

$$0+1, 1+2, 2+3, 3+4$$

$$4 \times 4$$

FPGA  
视频教程

$$p=9$$

$$p=5-1-2-1=1$$

$$1 \times 4 \rightarrow m(x-1) \times m$$

$$\begin{matrix} [Y-1:0] & L_0 & [m-1:0] \\ \vdots & \vdots & \vdots \\ [Y-1:0] & L_{p-1} & [m-1:0] \end{matrix}$$

$m, m, d, \uparrow$   
 $D \in$

$$p \times q$$

$n$

$$S_0(d_0, d_1, d_2, d_3)$$

$$S_1(d_0, d_1, d_2, d_3)$$

$$S_2(d_0, d_1, d_2, d_3)$$

$$[Y-1:0] L_{p-1} [m-1:0]$$

0	$D(0,0)$	$D(0,1)$	$D(0,2)$	$D(0,3)$
1	$D(1,0)$	$D(1,1)$	$D(1,2)$	$D(1,3)$
2	$D(2,0)$	$D(2,1)$	$D(2,2)$	$D(2,3)$
3	$D(3,0)$	$D(3,1)$	$D(3,2)$	$D(3,3)$
4	$D(4,0)$	$D(4,1)$	$D(4,2)$	$D(4,3)$

# FIFO求和实验

$$X=3 \quad \geq 1$$

$$Fifo = X - 1$$

$$X = 3 - 1 = 2$$

$$deep \geq m$$

$$5 \times 4$$

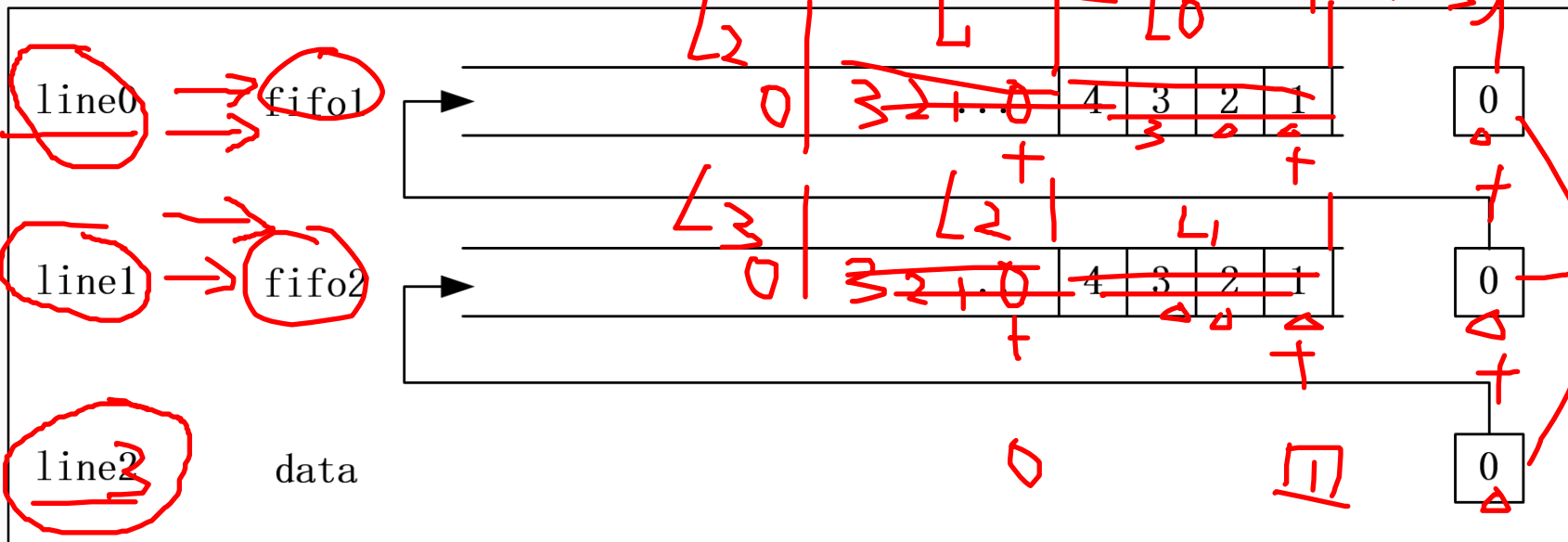
$$S_0(d_0, d_1, d_2, d_3) \quad (2)^6$$

$$S_1(d_0, d_1, d_2, d_3)$$

$$S_2(d_0, d_1, d_2, d_3)$$

0	D(0,0)	D(0,1)	D(0,2)	D(0,3)
1	0	1	2	3
2	0	1	2	3
3	0	1	2	3
4	0	1	2	3

$$h=5$$



谢谢



公众号



淘宝店铺