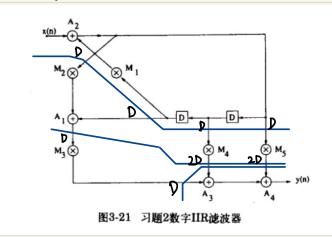
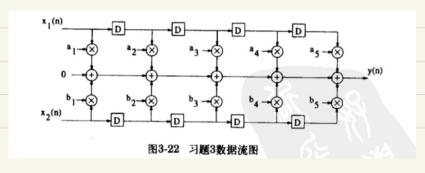
CHAPTER 3 Homework

171180545 王静之

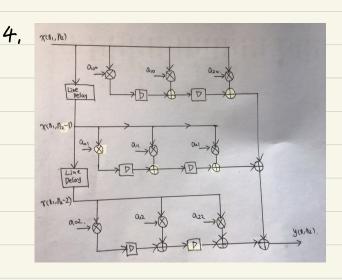
- 2. (1) 关键路径如下, Mi→Az→Mz→Ai→Ms → As→A4 故延时为 10 M·t.
 - (2) 要将关键路径延时降低为3.A.t.
 - -共添加9个延时单元如下图斤示



3. 我出一种广播结构。原图关键路径延时下45下4



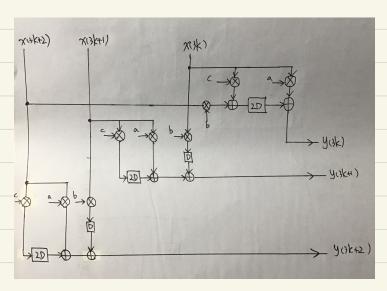
設地后美健路径延时为
$$T_{M}+T_{M}$$
, $f = \frac{1}{T_{M}+T_{M}}$
 A_{S} A_{S}



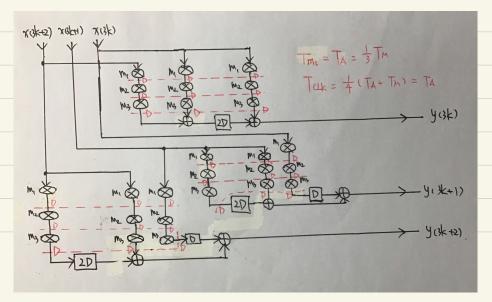
7.
$$y(n) = \alpha x(n) + b x (n-4) + c x (n-b)$$

(0) $x^{(n)}$
 $c \rightarrow \bigotimes b \rightarrow \bigotimes a \rightarrow \bigotimes y^{(n)}$

(P)



已知 Tn=3TA,要使 Tok=4(Tn+TA)= TA,即要使关键路径上只有延时下,将乘低器拆分为3个延时为下面的分,使用细粒度流水线的方法可以满足题目要求.如下图所示:Tak=4(Tn+TA)



 $ML(\beta V_0 - V_t)^2 = \beta (V_0 - V_t)^2$ 12.

$$M=4$$
, $L=4$, $V_0=5V$, $V_t=0.4V$