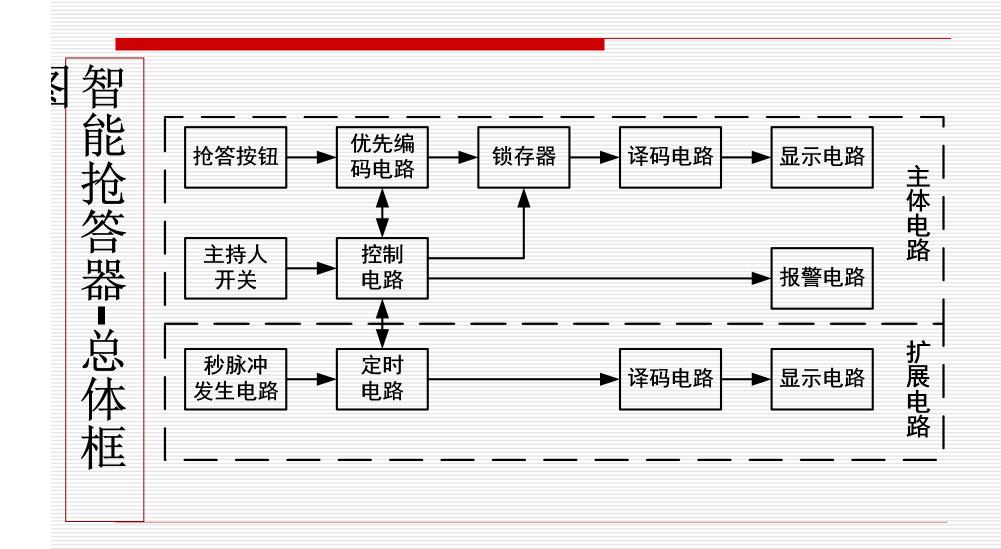
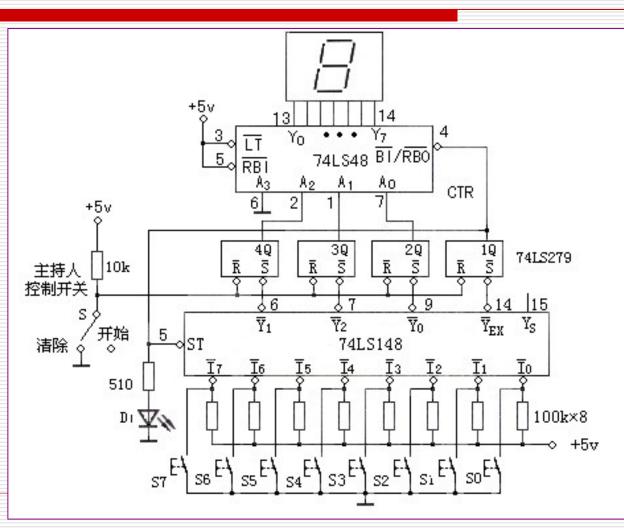
电路设计总体流

- ▶需求规格
- > 概要设计
- ▶详细设计
- ▶原理图设计
- **PCB设计**
- ➢调试改版

本章电路没必要记 考试不会考"需求分析" 设计题会给出器件和手册,要求进行电路设计





#### 74LS48:

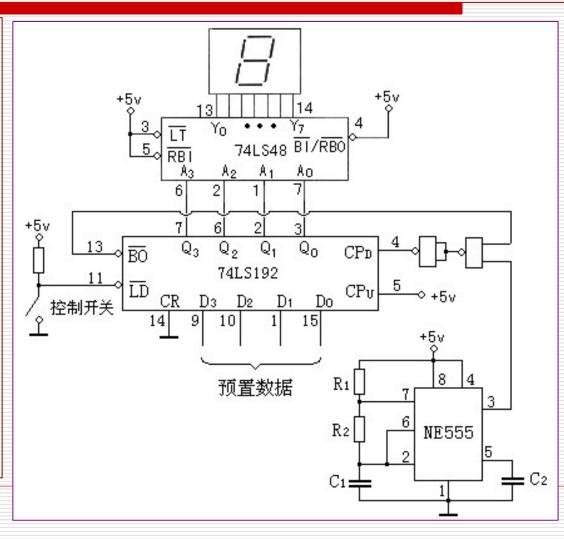
BCD-7段译码驱动

#### 74LS279:

四RS触发器

#### 74LS148:

8-3编码器



#### 74LS192:

十进制加/减计数器;

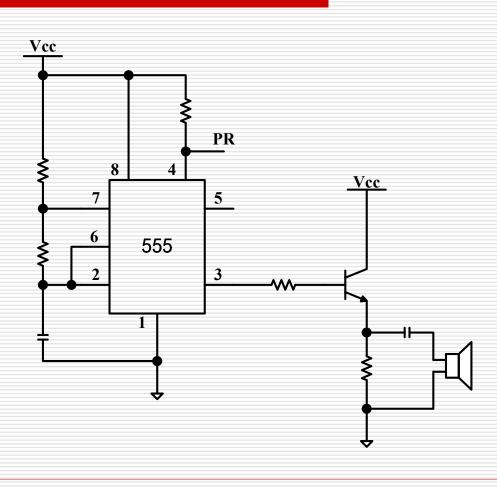
**Q<sub>0</sub>-Q<sub>3</sub>:** 输出端

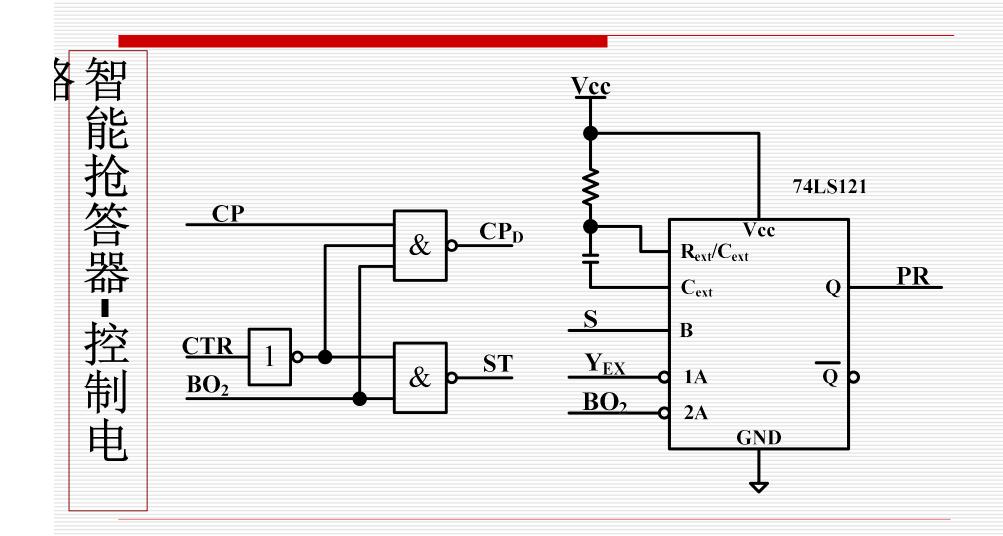
**D<sub>0</sub>-D<sub>3</sub>:** 预置端

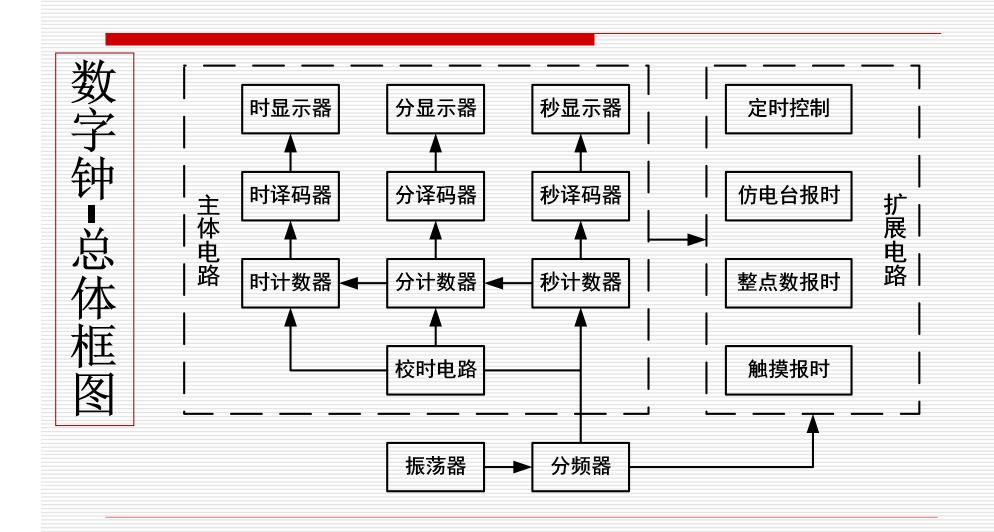
CP<sub>D</sub>、CP<sub>U</sub>: 时钟输入

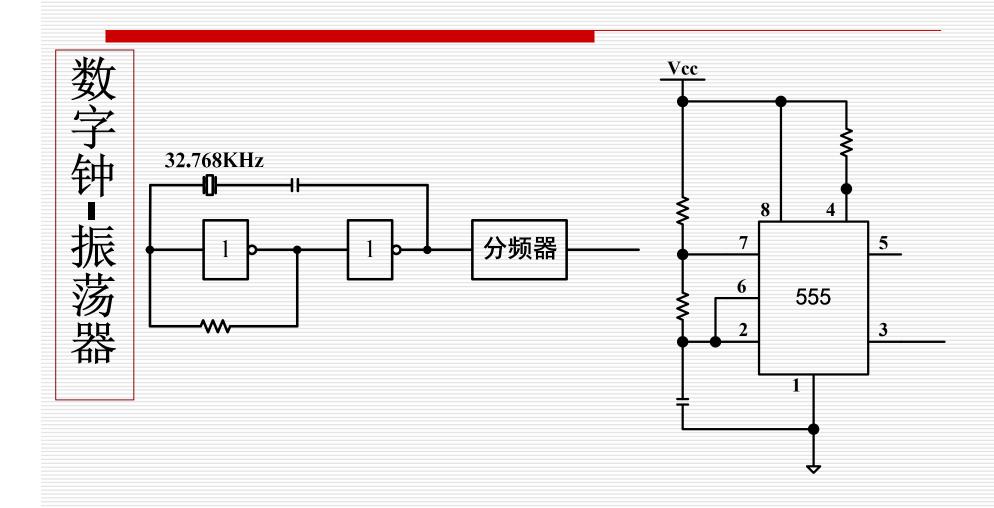
/BO: 借位输出

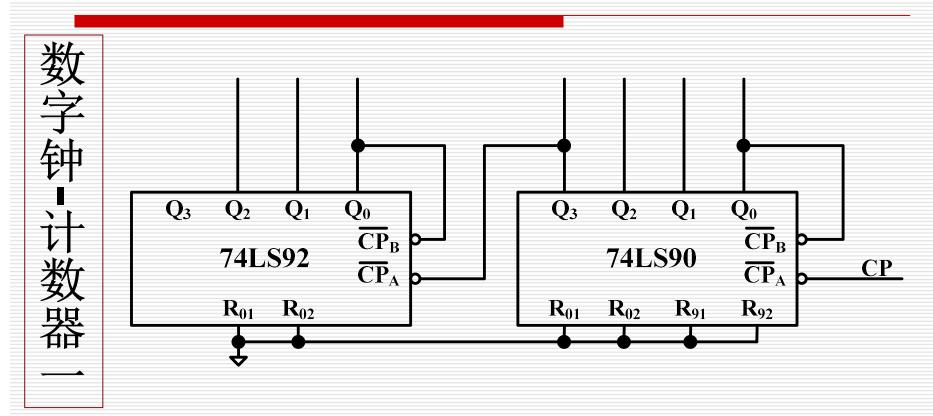
/LD: 预置数加载



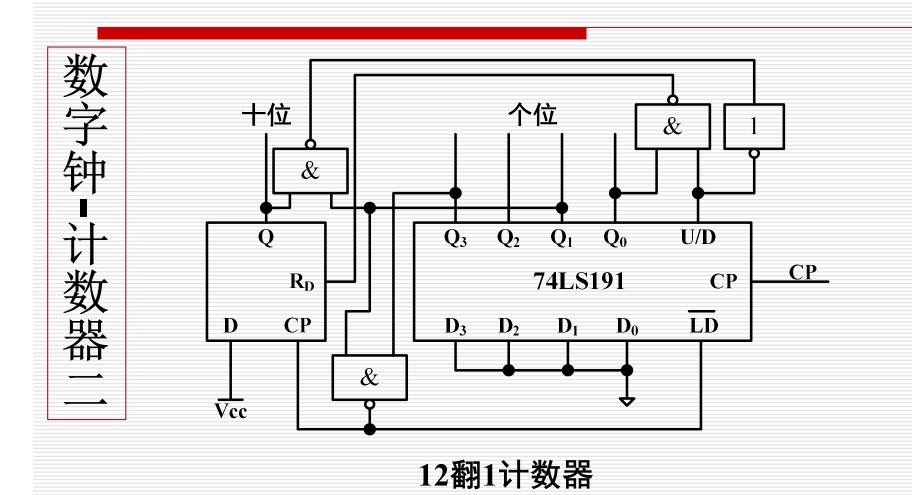




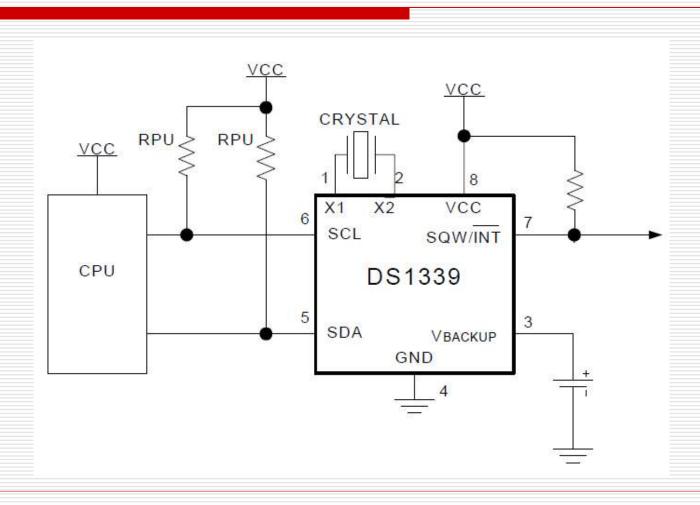




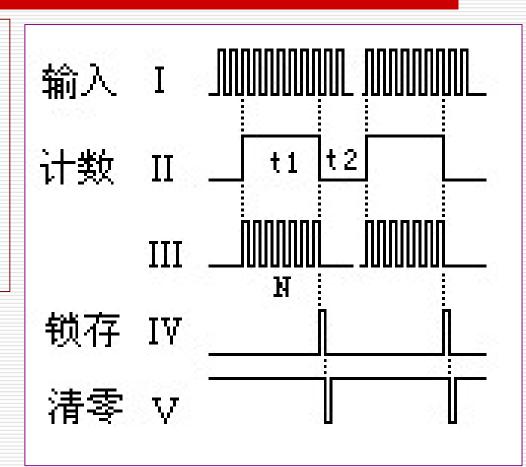
60进制计数器



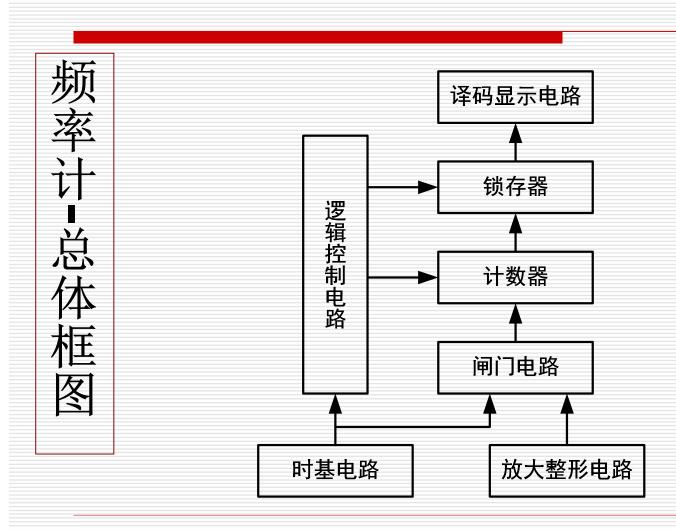
数字钟-实时时钟

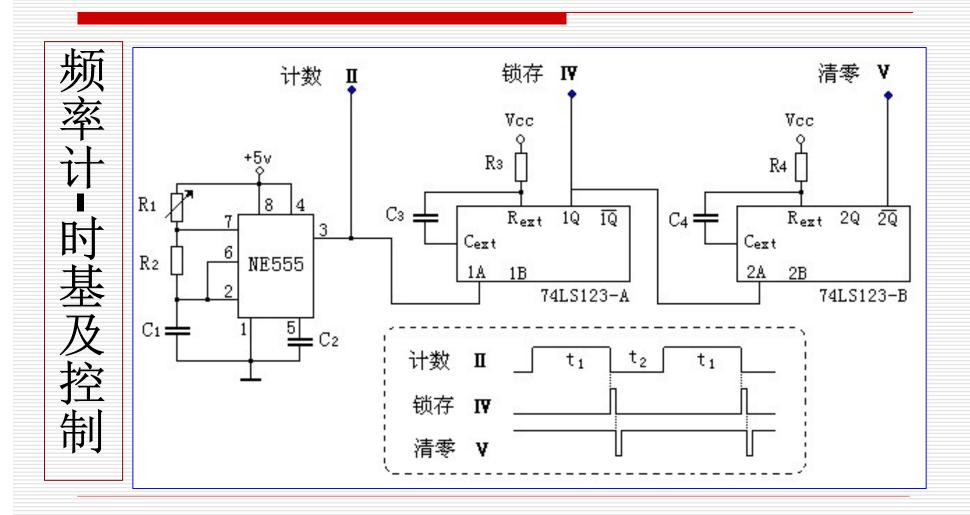


理 類 率 计 ■ 原

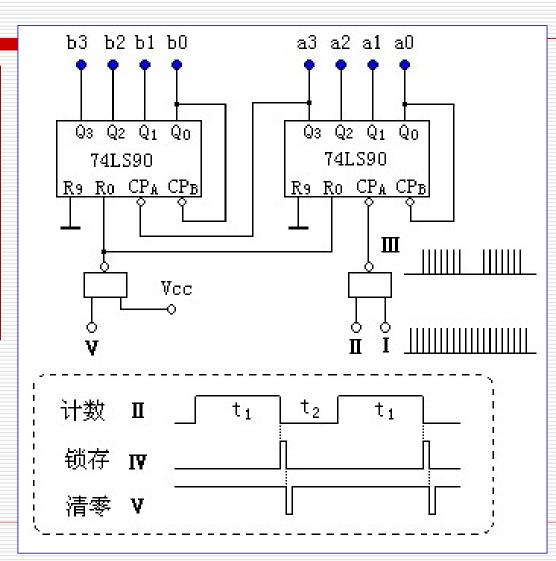


 $f_X = N/T$ 





频率计-计数



74LS90:

计数器

**R0**:

H-清零; L-计数

a<sub>3</sub>...a<sub>0</sub>:

个位(BCD)

b<sub>3</sub>..b<sub>0</sub>:

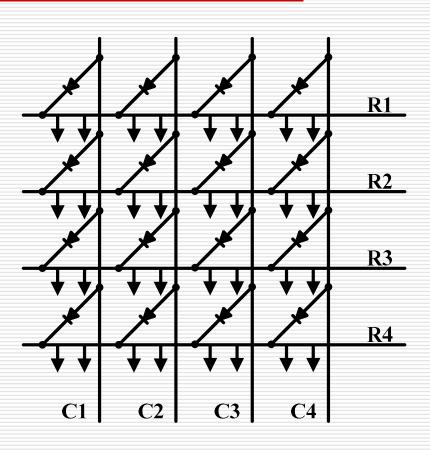
十位 (BCD)

其他:

b<sub>3</sub>..b<sub>0</sub>和a<sub>3</sub>..a<sub>0</sub>用

74LS273锁存

可编程字符显示器



# 可编程字符显示器



订购

P16 户外全彩LED 广告屏



订购

P16 户外显示屏



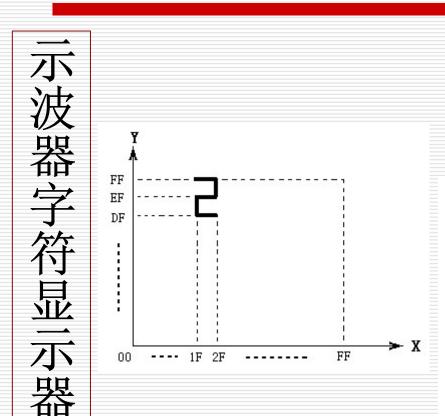
订购

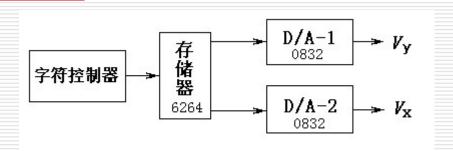
P20 户外全彩显示 屏



订购

P31.25户外全彩显示屏





笔画	Y(H)/X(H)	代码	A0	Al	A2	A3	A4	A5	A6
_	Y	FF	. 0	0	0	0	0	0	0
	X	<b>1F</b>	1	0	0	0	0	0	0
	Y	FF	0	1	0	0	0	0	0
	X	20	1	1	0	0	0	0	0
	Y	FF	0	0	0	0	0	1	0
	X	2F	1	0	0	0	0	1	0
1	Y	FE	0	1	0	0	0	1	0
	X	2F	1	1	0	0	0	1	0
	Y	FD	0	0	1	0	0	1	0
	X	2F	1	0	1	0	0	1	0
		•••							
	Y	<b>DF</b>	0	0	0	0	0	0	1
	X	2F	1	0	0	0	0	0	1