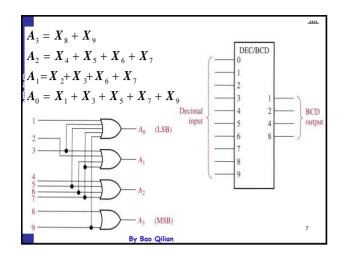
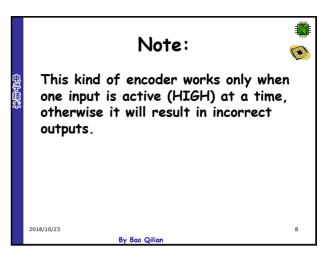
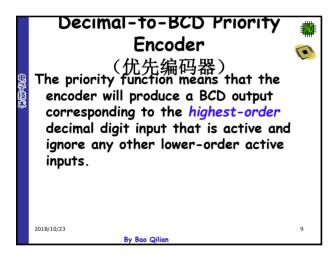
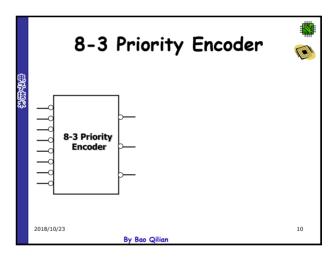


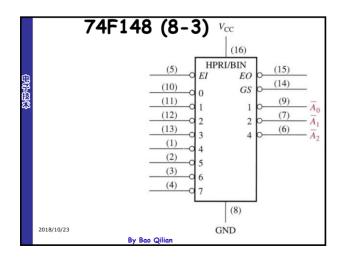
$X_0$	ı											
X <sub>9</sub>	X <sub>8</sub>	<b>X</b> <sub>7</sub>	X <sub>6</sub>	<b>X</b> <sub>5</sub>	X <sub>4</sub>	X <sub>3</sub>	X <sub>2</sub>	X <sub>1</sub>	<b>A</b> <sub>3</sub>	A <sub>2</sub>	A <sub>1</sub>	<b>A</b> <sub>0</sub>
6	0	0	0	0	0	0	0	0>	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	1
0	0	0	0	0	0	0	1	0	0	0	1	0
0	0	0	0	0	0	1	0	0	0	0	1	1
0	0	0	0	0	1	0	0	0	0	1	0	0
0	0	0	0	1	0	0	0	0	0	1	0	1
0	0	0	1	0	0	0	0	0	0	1	1	0
0	0	1	0	0	0	0	0	0	0	1	1	1
0	1	0	0	0	0	0	0	0	1	0	0	0
1	0	0	0	0	0	0	0	0	1	0	0	1
2018	3/10/23											6
				Ву	Bao G	(ilian						



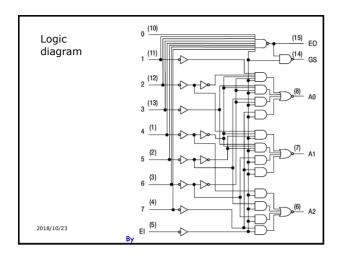


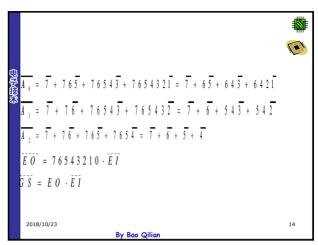


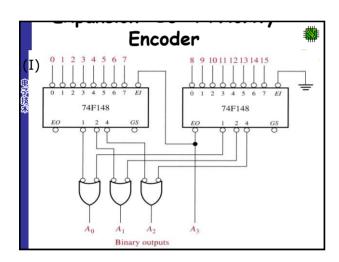


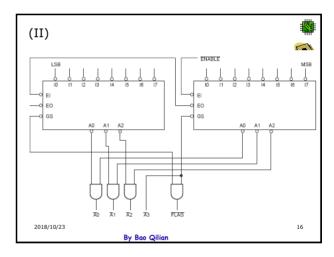


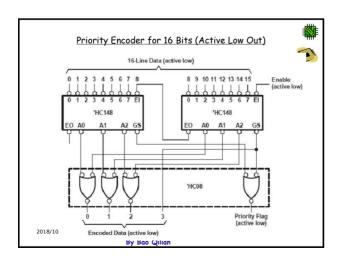
				INPUTS							OUTPUTS	;	
EI	T0	T1	12	T3	Ĭ4	T5	<b>T</b> 6	17	GS	<b>A</b> 0	Ā1	<b>T</b> 2	ΕO
Н	Х	Х	Х	Χ	Х	Х	Χ	Χ	Н	Н	Н	Н	Н
L	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	L
L	Х	Χ	Х	Χ	Х	Х	Χ	L	L	L	L	L	Н
L	Х	Х	Х	Χ	Х	Х	L	Н	L	Н	L	L	Н
L	Х	Χ	Х	Χ	Х	L	Н	Н	L	L	Н	L	Н
L	Х	Χ	Х	Χ	L	Н	Н	Н	L	Н	Н	L	Н
L	Х	Х	Х	L	Н	Н	Н	Н	L	L	L	Н	Н
L	Х	Χ	L	Н	Н	Н	Н	Н	L	Н	L	Н	Н
L	Х	L	Н	Н	Н	Н	Н	Н	L	L	Н	Н	Н
L	L	Н	Н	Н	Н	Н	Н	Н	L	Н	Н	Н	Н

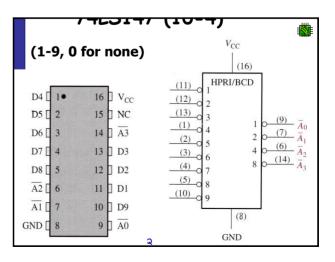


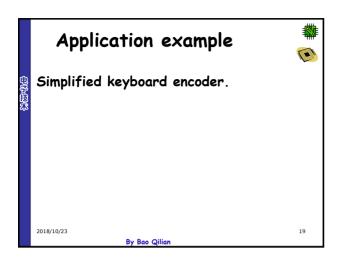


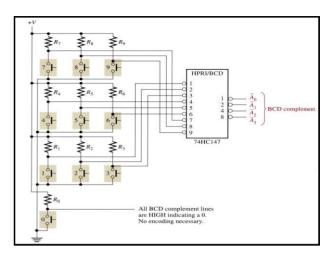


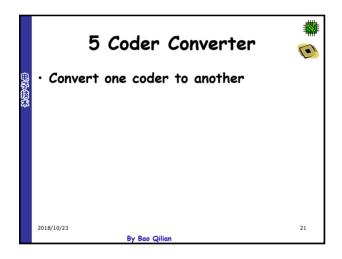


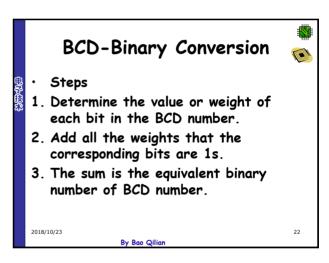


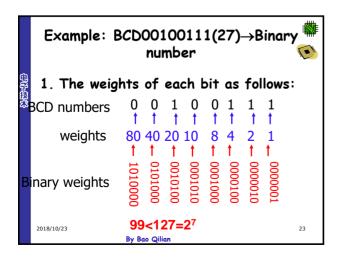


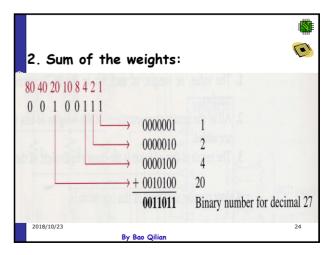


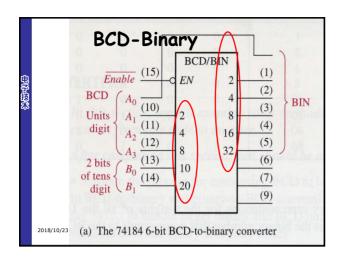


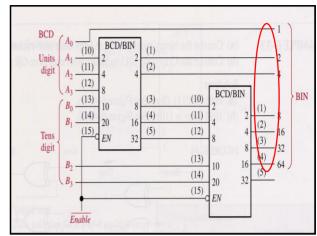


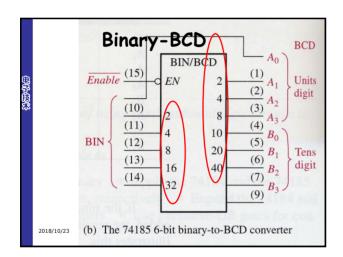


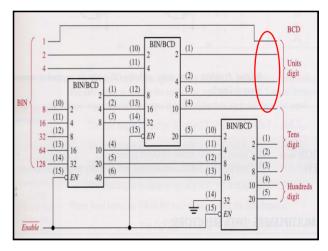


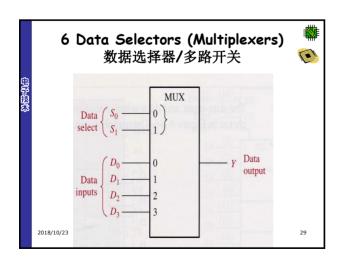


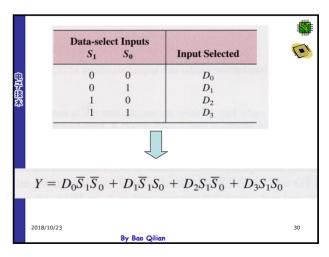


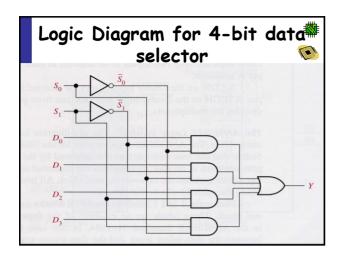


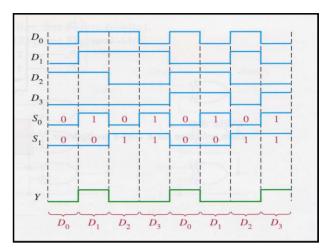


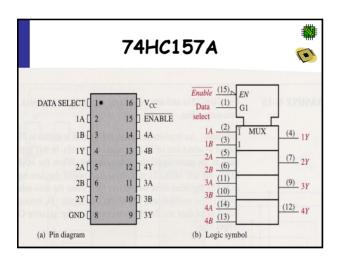


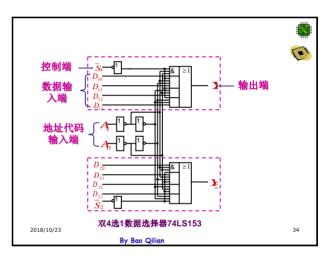


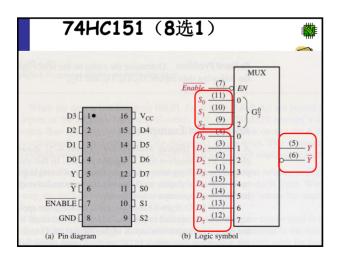


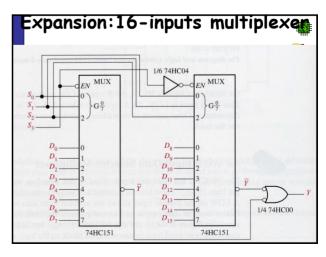


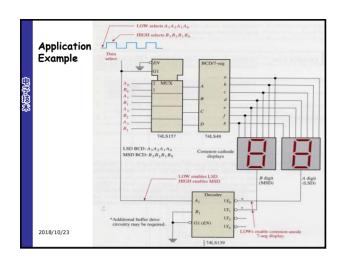


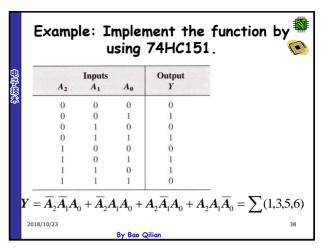


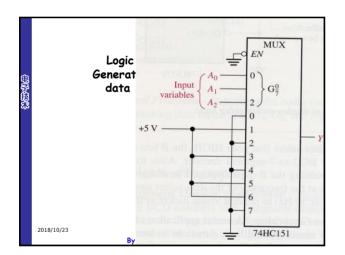


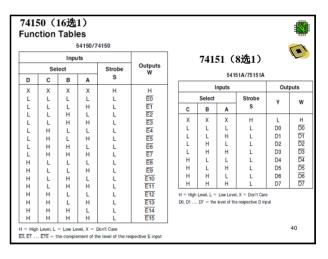


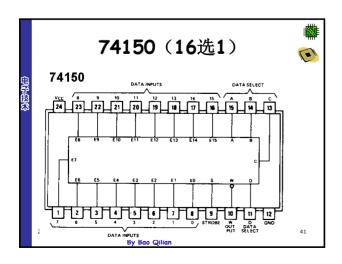




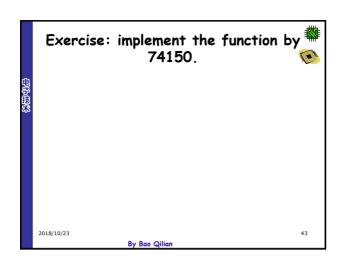


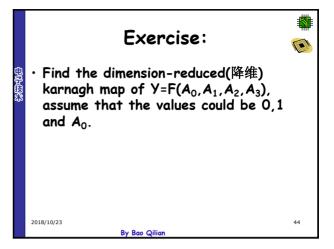


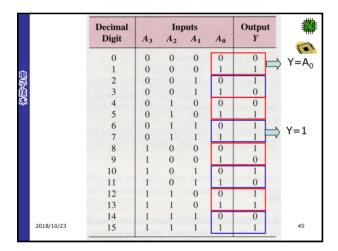


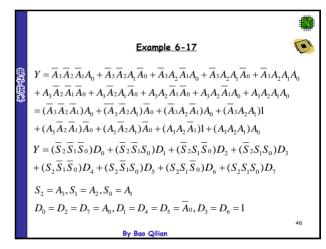


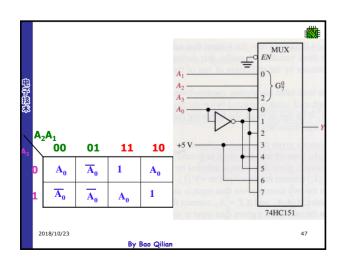
	Decimal		Output			
	Digit	A <sub>3</sub>	$A_2$	$A_1$	$A_0$	Y
	0	0	0	0	0	0
	1	0	0	0	1	1
	2	0	0	1	0	1
	3	0	0	1	1	0
	4	0	1	0	0	0
	5	0	1	0	1	1
	6	0	1	1	0	1
	7	0	1	1	1	1
	8	1	0	0	0	1
	9	1	0	0	1	0
	10	1	0	1	0	1
	11	1	0	1	1	0
	12	1	1	0	0	1
	13	1	1	0	1	1
	14	1	1	1	0	0
2018/10/23	15	1	1	1	1	1

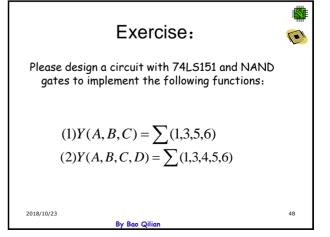


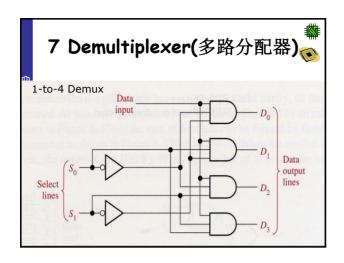


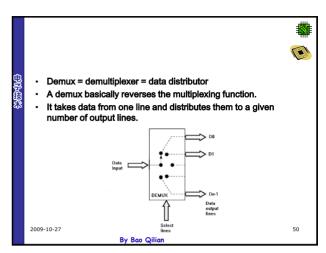


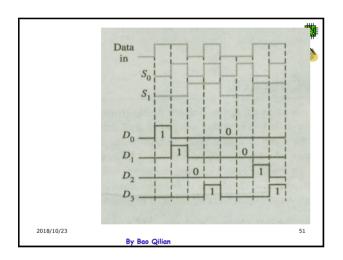


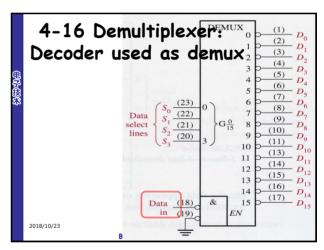


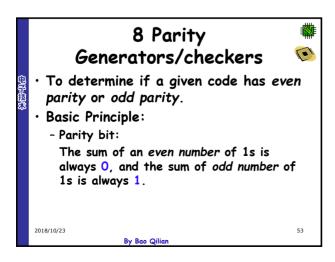


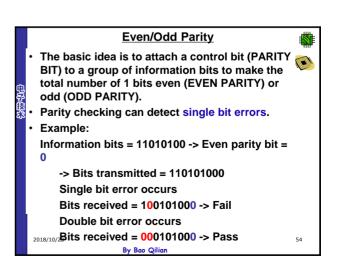


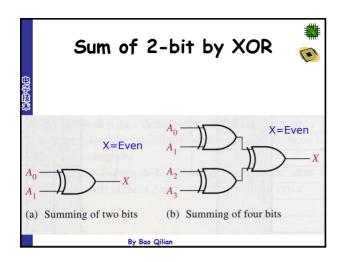


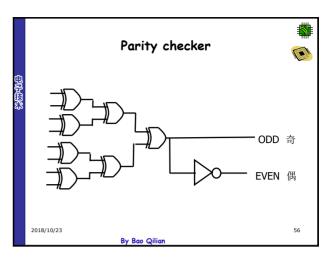


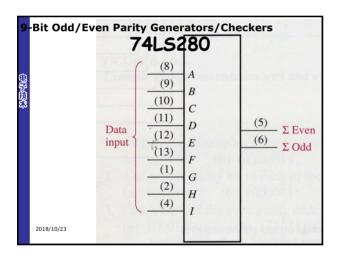


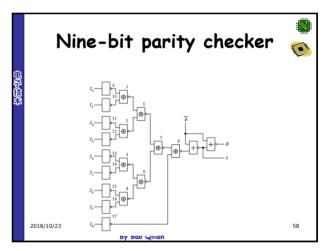


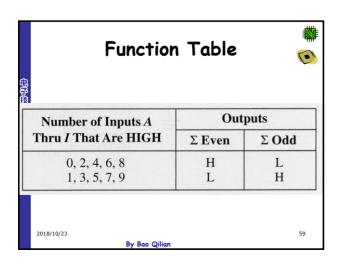


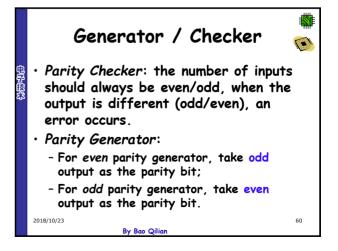


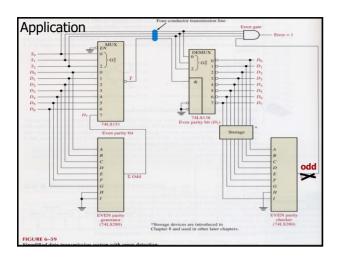


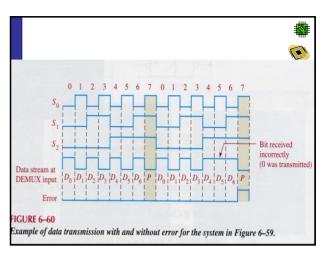


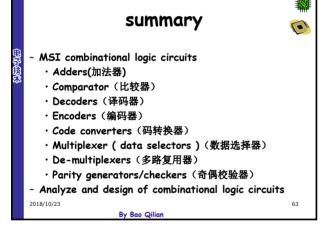


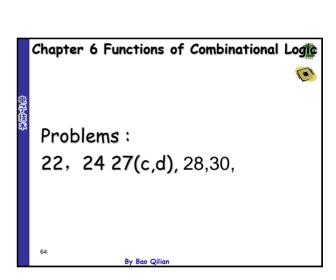














对应地装有一号、二号、三号、四号 4 个指示灯。

补充题

现要求当一号病室的按钮按下时,无论其他病室的按钮是否按下,只有一号灯亮。当一 号病室的按钮没有按下而二号病室的按钮按下时,无论三、四号病室的按钮是否按下,只有二 号灯亮。当一、二号病室的按钮都未按下而三号病室的按钮按下时,无论四号病室的按钮是 否按下,只有三号灯亮。只有在一、二、三号病室的按钮均未按下而按下四号病室的按钮时, 四号灯才亮。试用优先编码器 74LS148 和门电路设计满足上述控制要求的逻辑电路,给出 控制四个指示灯状态的高、低电平信号。

[题 3.12] 用 3 线 - 8 线译码器 74LS138 和门电路设计 1 位二进制全减器电路。输入 为被减数、减数和来自低位的借位;输出为两数之差和向高位的借位信号。

By Bao Qilian

