# 第一/二次作业





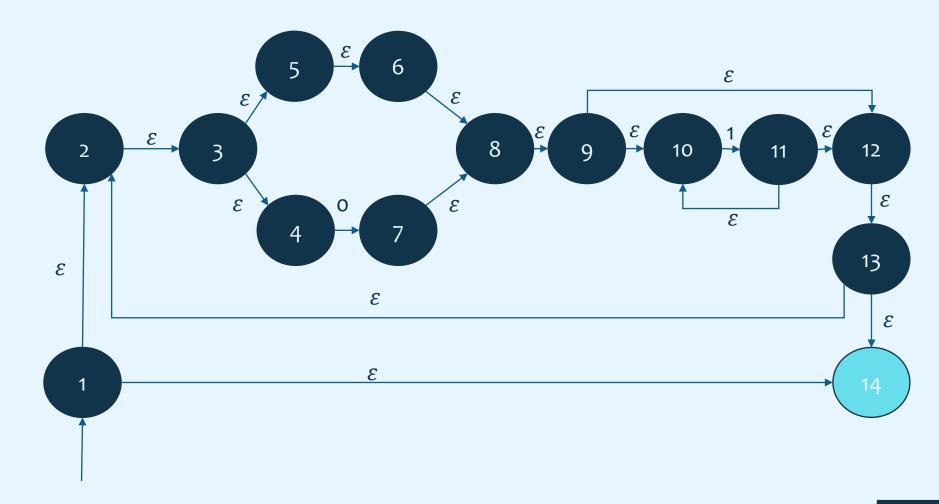
#### (2.1) 用文字简要描述以下C变量p的类型信息。

int (\*(\*(\*p(int x))())[20])(int \*y);

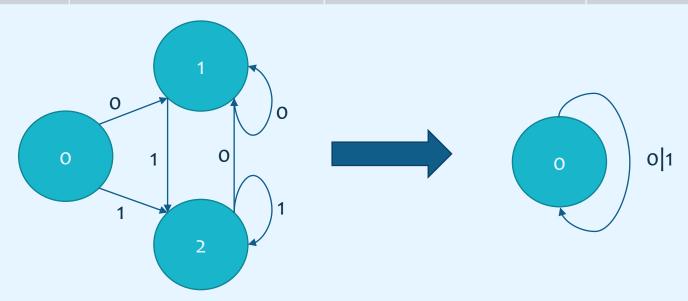
- 函数指针与指针函数
- p是一个参数为int x的函数,该函数返回一个指针,指向一个无参函数,该 函数 (无参函数)又返回一个指针,该指针指向一个20个元素的数组,数组 的元素类型是一个指针,指向一个参数为int \*y并且返回值为int类型的函数。
- 步骤:
  - 找到需要描述的变量
  - 根据优先级进行描述

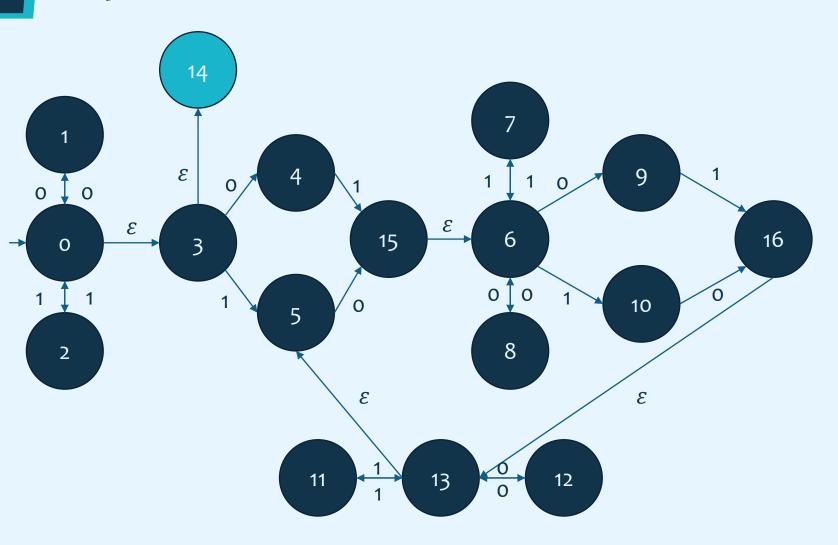
0\*10\*10\*10\*:有且仅有三个1的01串

(00|11)\*((01|10)(00|11)\*(01|10)(00|11)\*)\*: 偶数个o、偶数个1组成的01串

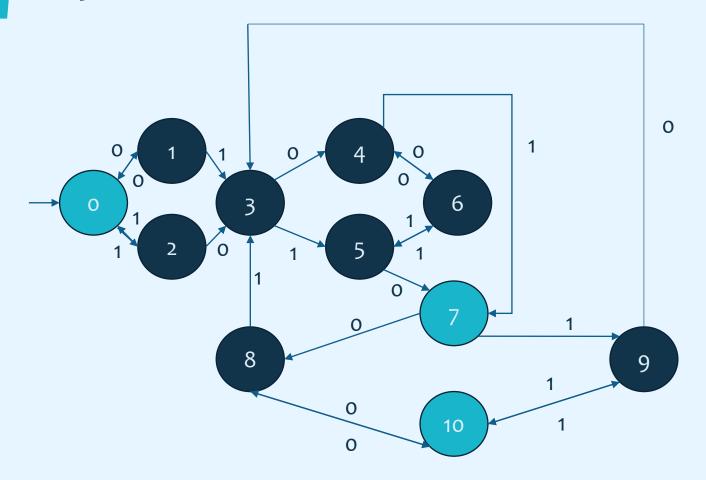


	状态	0	1
0		1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14	1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14
1		1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14	-
2		1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14	1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14

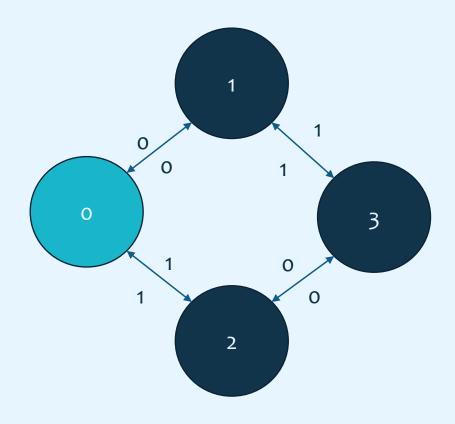




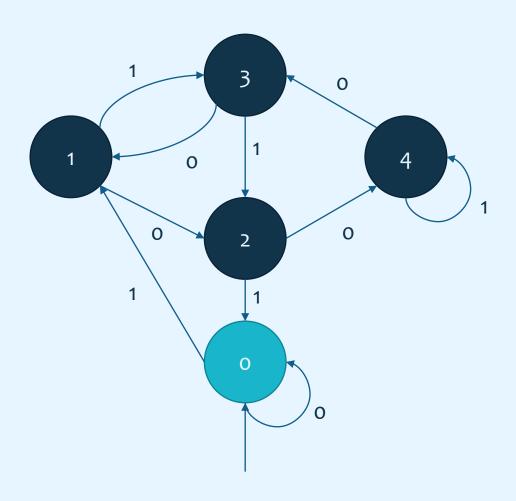
	状态	0	1
0	0, 3, 14	1, 4	2, 5
1	1, 4	0, 3, 14	15, 6
2	2, 5	15, 6	0, 3, 14
3	15, 6	8, 9	7, 10
4	8, 9	6	16, 13, 3, 14
5	7, 10	16, 13, 3, 14	6
6	6	8, 9	7, 10
7	16, 13, 3, 14	11, 4	12, 5
8	11, 4	13, 3, 14	15, 6
9	12, 5	15, 6	13, 3, 14
10	13, 3, 14	11, 4	12, 5



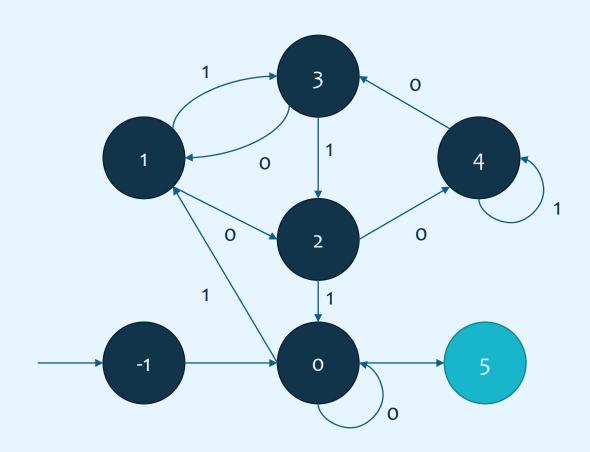
- Io={0,7,10}
- I1={1,2,3,4,5,6,8,9}
- $12=\{1, 5, 8\}$
- I3={2, 3, 4, 6, 9}
- I4={2, 4, 9}
- I5={3, 6}

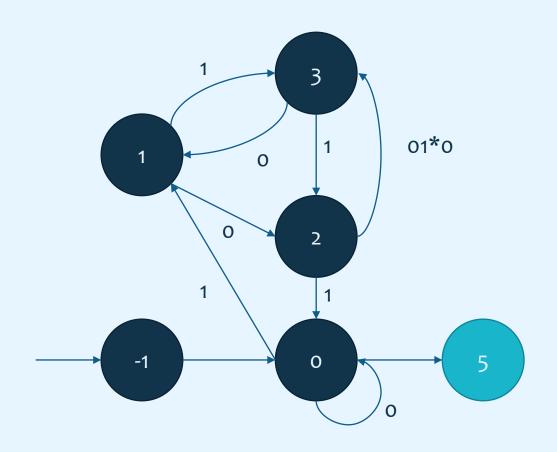


构造DFA:5个状态,代表被5除余s

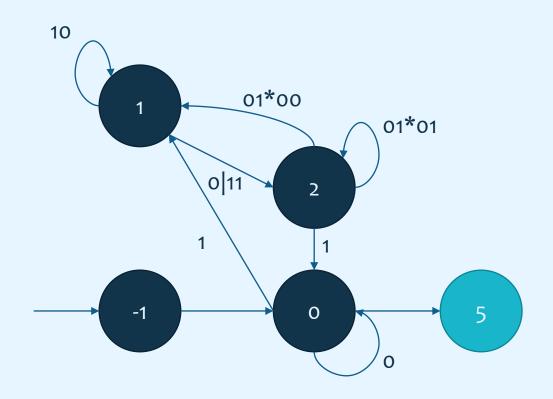


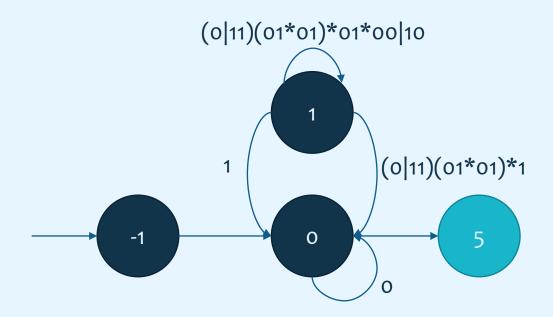
#### 添开始,结束状态

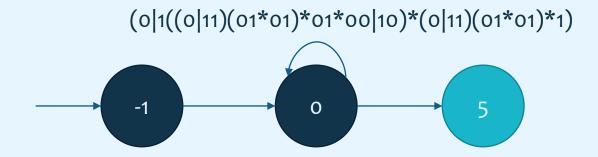


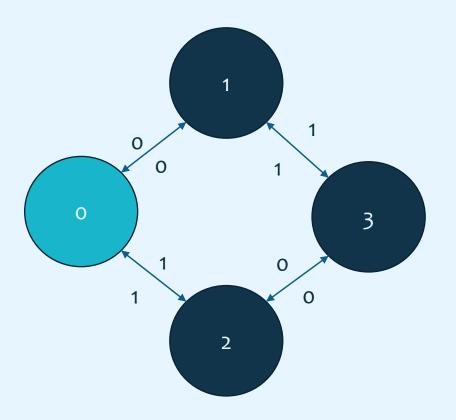


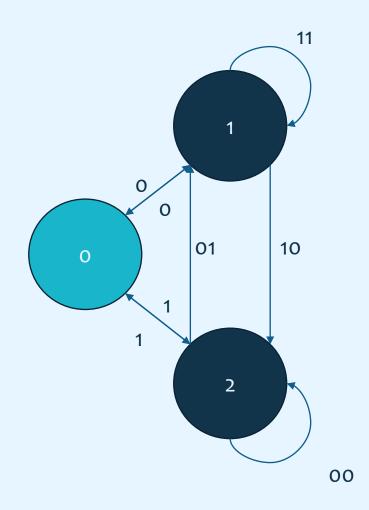
2.2.1



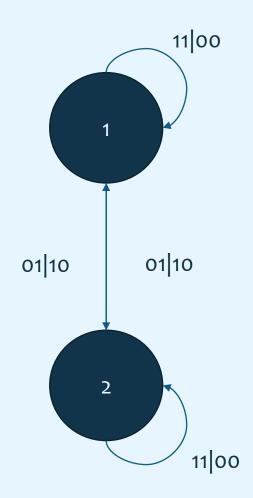








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# 谢谢!

结束页

