



由上图, $\epsilon\text{-closure}\{0\} = \{0, 5, 2\}$

\bar{J}	\bar{J}_a	\bar{J}_b
$\epsilon\text{-closure}\{0\}$	$\{5, 2, 3\}$	$\{5, 2\}$
$\{5, 2, 3\}$	$\{5, 2, 3, 4\}$	$\{5, 2, 4\}$
$\{5, 2\}$	$\{5, 2, 3\}$	$\{5, 2\}$
$\{5, 2, 3, 4\}$	$\{5, 2, 3, 4, 1\}$	$\{5, 2, 4, 1\}$
$\{5, 2, 4\}$	$\{5, 2, 3, 1\}$	$\{5, 2, 1\}$
$\{5, 2, 4, 3, 1\}$	$\{5, 2, 3, 4, 1\}$	$\{5, 2, 4, 1\}$
$\{5, 2, 4, 1\}$	$\{5, 2, 3, 1\}$	$\{5, 2, 1\}$
$\{5, 2, 3, 1\}$	$\{5, 2, 3, 4\}$	$\{5, 2, 4\}$
$\{5, 2, 1\}$	$\{5, 2, 3\}$	$\{5, 2\}$

对以上表格每个集合分配一个状态：

J	J_a	J_b
1	2	3
2	4	5
3	2	3
4	6	7
5	8	9
6	6	7
7	8	9
8	4	5
9	2	3

先将如上定义的状态集划成终态集 S_1 和非终态集 S_2

$$S_1 = \{1, 2, 3, 4, 5\}, S_2 = \{6, 7, 8, 9\}$$

$$\therefore \delta(1, a) = 2, \delta(4, a) = 6$$

$$\delta(2, a) = 4, \delta(5, a) = 8$$

$$\delta(3, a) = 2$$

$$\therefore S_1 \text{ 应细分为 } S_3 = \{1, 3\}, S_4 = \{2\}, S_5 = \{4\}, S_6 = \{5\}$$

$$\text{同理, } S_2 \text{ 分为 } S_7 = \{6\}, S_8 = \{7\}, S_9 = \{8\}, S_{10} = \{9\}$$

DFA:



