1. (a|b)*abb

答案:

	Input Symbol	
Dstates	a	b
${f A}$	В	C
В	В	D
C	В	C
D	В	\mathbf{E}
E	В	C

^h

运行结果:

```
请依次输入顶点编号1 顶点编号2 状态转移符号:
结束符号: -1
0 1 0
0 7 0
1 4 0
1 2 0
4 5 b
2 3 a
5 6 0
6 1 0
6 7 0
7 8 a
8 9 b
9 10 b
-1
DFA转换表:
Set a b
A B C
B B D
C B C
D B E
E B C
```

2. (a|b)*abb(a|b)*

答案:

\sim		\leftarrow
■ State←	Input Symbols [∟]	
	a←	b←
<u>A</u> {0,1,2,4,7}←	B←ੋ	C←□
B{1,2,3,4,6,7,8}←	B←□	D←□
<u>C</u> {1,2,4,5,6,7}←	B←ੋ	C←¹
D{1,2,4,5,6,7, 9}←	B←□	E←
E{1,2,4,5,6,7,	F←	G←J
10,11,12,14,17}←	r-	
F{1,2,3,4,	F←¹	H ← ³
6,7,8,11,12,13,14,16,17}		
G{1,2,4,5,6,7,11,12,14,15,16	F←	G←¹
,17}←ੋ	F ~	
H{1,2,4,5,6,7,9,11,12,	F←	I←
14,15,16,17}←	I. C.	
I{1,2,4,5,6,7,10,11,12,	F←	G←¹
14,15,16,17}←	I.	

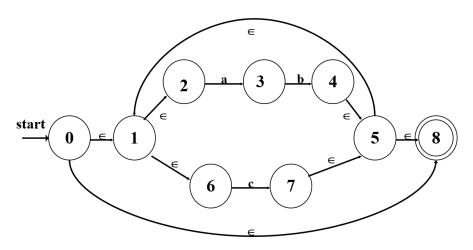
运行结果:

```
语依次输入顶点编号1 顶点编号2 状态转移符号:
结束符号: -1
0 1 0
0 7 0
1 2 0
1 4 0
2 3 a
4 5 b
3 6 0
5 6 0
6 1 0
6 7 0
7 8 a
8 9 b
9 10 b
10 11 0
10 17 0
11 12 0
11 14 0
12 13 a
14 15 b
13 16 0
15 16 0
16 17 0
-1

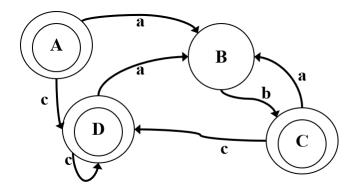
DFA转换表:
Set a b
A B C
B B D
C B C
D B B
E
E F C
F F H
C F G
H F I
I F G
```

3.

NFA:



答案:



运行结果:

```
请依次输入顶点编号1 顶点编号2 状态转移符号:
结束符号: -1
0 1 0
0 8 0
1 6 0
6 7 c
7 5 0
1 2 0
2 3 a
3 4 b
4 5 0
5 1 0
0 8 0
-10 1 0
0 8 0
1 6 0
6 7 c
7 5 0
1 2 0
2 3 a
3 4 b
4 5 0
5 1 0
5 8 0
-10 1 C
DFA转换表:
Set a b c
A B # C
B # C
B # C
D B # C
```