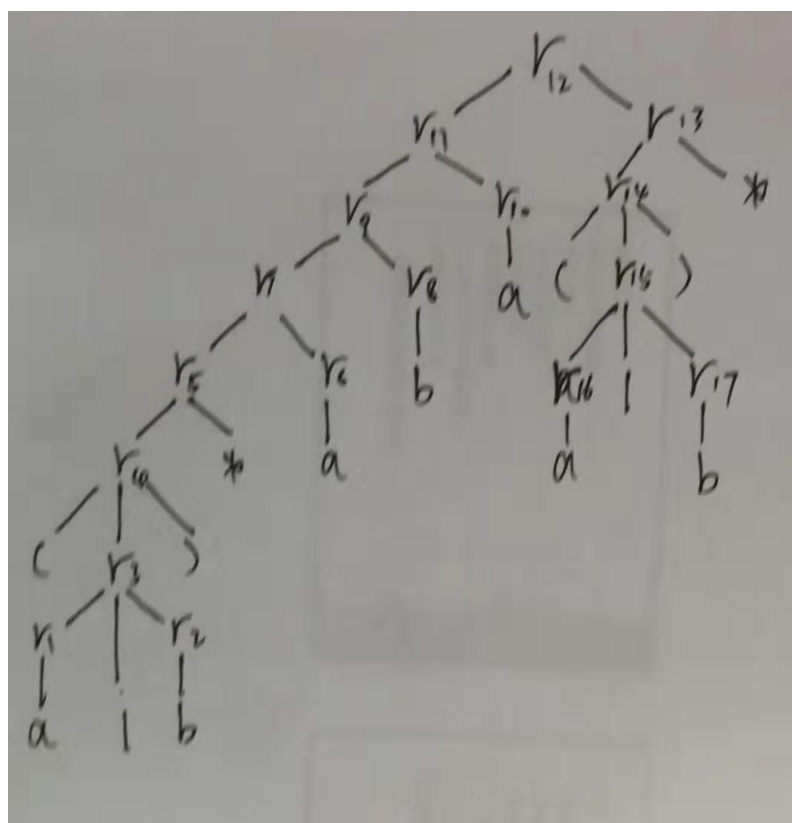
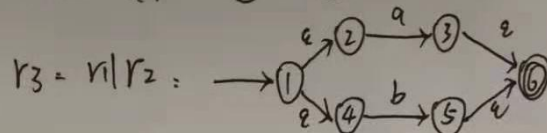
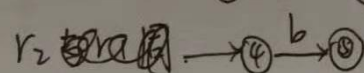
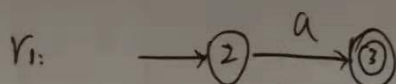


语法分析树如下：

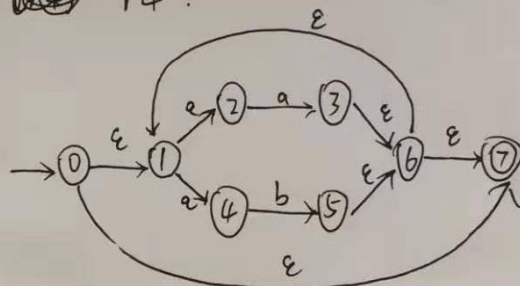


NFA:



r_4 is the same as r_3 .

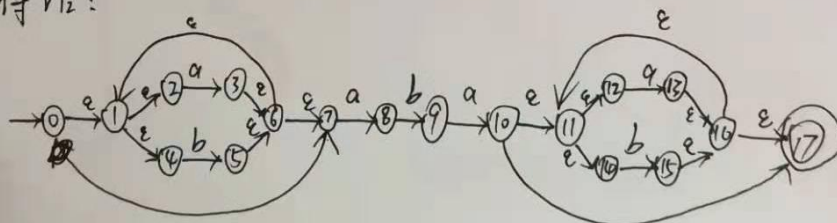
$r_5 =$ ~~r_4~~ r_4^* .



r_7, r_9, r_{11} are the same as r_1 .

r_{15} is the same as r_3 , r_{14} is the same as r_4 , r_{13} is the same as r_5 .

得 r_{12} :



转换表

DFA	NFA		a	b
A	$\{0, 1, 2, 4, 7\}$		B	C
B	$\{1, 2, 3, 4, 6, 7, 8\}$		B	D
C	$\{1, 2, 4, 5, 6, 7\}$		B	C
D	$\{1, 2, 4, 5, 6, 7, 9\}$		E	C
			,	
E	$\{1, 2, 3, 4, 6, 7, 8, 10, 11, 12, 14, 17\}$		F	G
F	$\{1, 2, 3, 4, 6, 7, 8, 11, 12, 13, 14, 16, 17\}$		F	G
G	$\{1, 2, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 16, 17\}$		H	I
H	$\{1, 2, 3, 4, 6, 7, 8, 10, 11, 12, 13, 14, 16, 17\}$		F	G
I	$\{1, 2, 4, 5, 6, 17, 13, 14, 15, 16, 17\}$		F	I

DFA:

