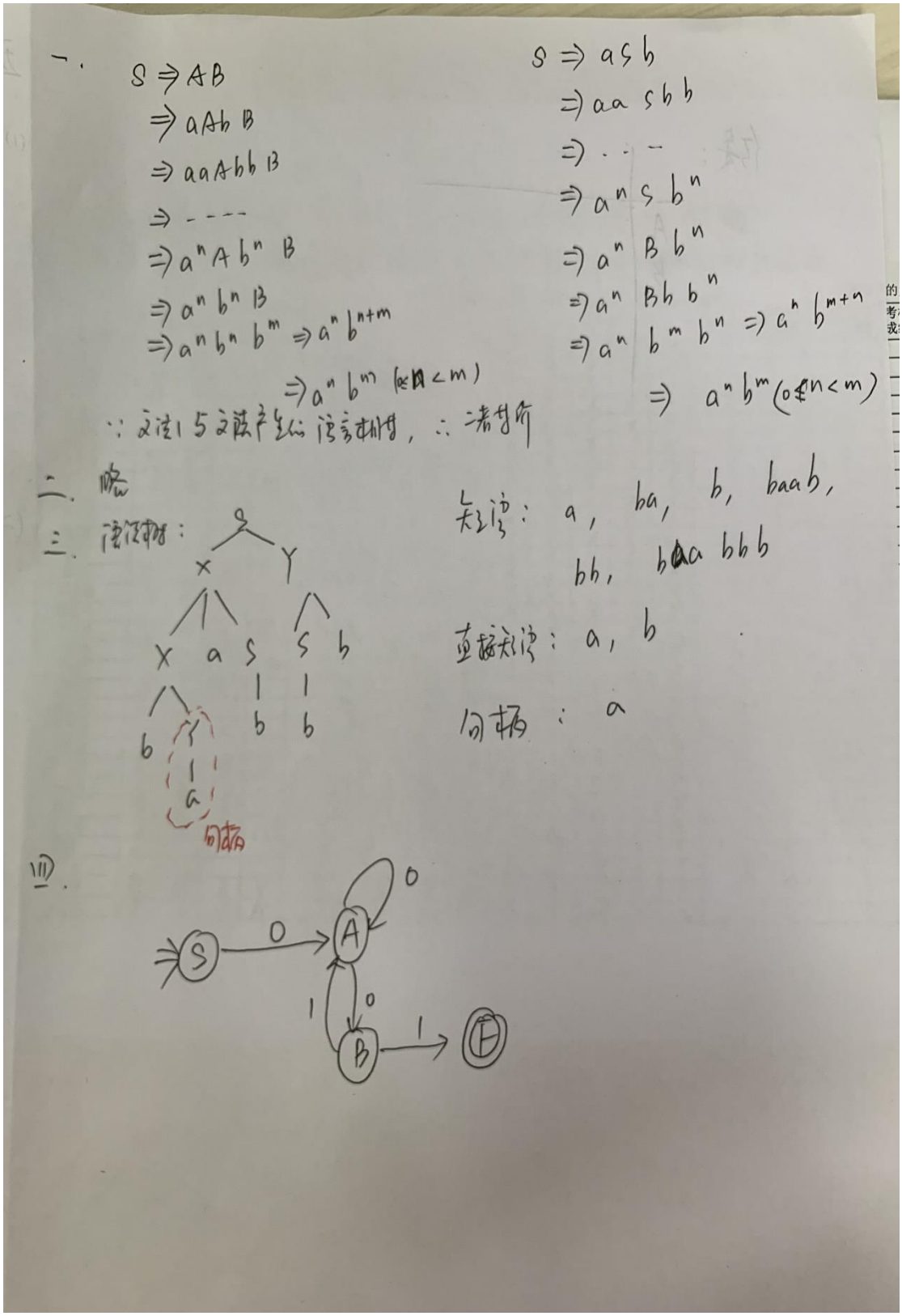
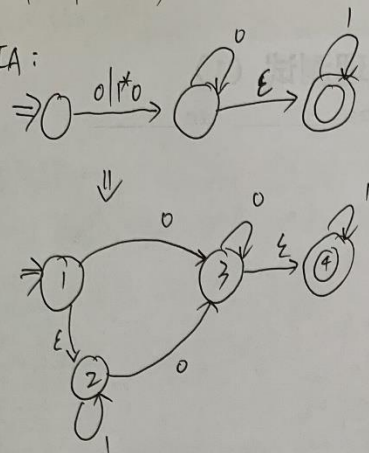
2020-2021-2 编译原理测试（1）答案



五. $(0|1^*0)0^*1^*$

(1) NFA:



(2) NFA → DFA

①

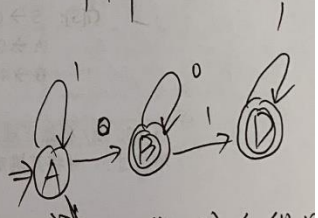
	ε_closure
1	{1, 2}
2	{2}
3	{3, 4}
4	{4}

② DFA f'

	0	1
{1,2}	{3,4}	{2}
{3,4}	{3,4}	{4}
{2}	{3,4}	{2}
{4}	ϕ	{4}

③ A={1,2}
B={3,4}
C={2}
D={4}

	0	1
A	B	C
B	B	D
C	B	C
D	ϕ	D



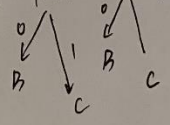
最后保留

(3) 最小化

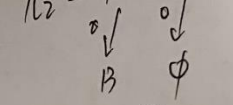
$\pi_1 = \{A, C\}$

$\pi_2 = \{B, D\}$

$\pi_1 = \{A, C\}$



$\pi_2 = \{B, D\}$



B, D不分开

A, C分开