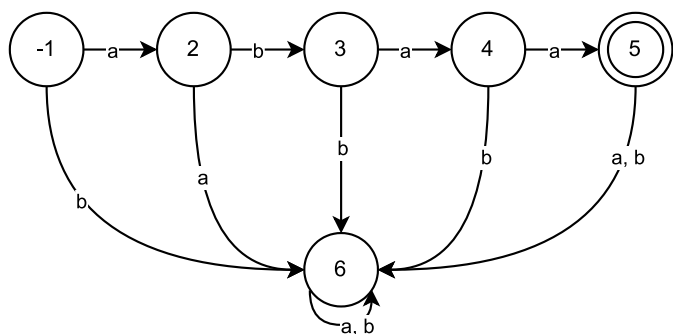


DLTS – (1, 2, 3, 4, 6, 8, 9, 11, 13, 15)



Final State's Node No.	Regular Expression
5	{abaa}
4	{aba}
3	{ab}
2	{a}
1	{ $\pi$ }

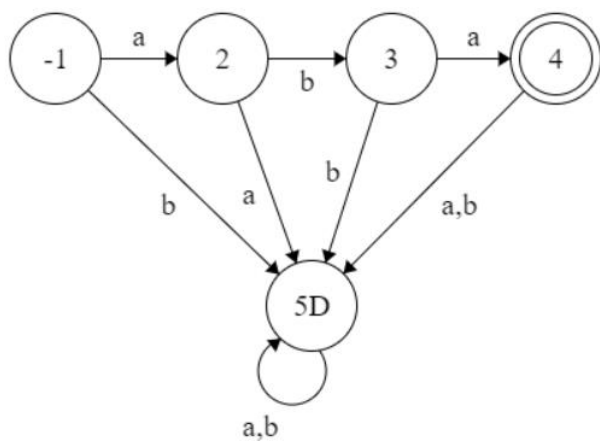
Regular Expressions:

When Final State's Node is 6  
 (b, aa, abb, abab, abaaa, abaab){a,b}<sup>\*</sup>

Lex: { $\pi$ , a, b, aa, ab, bb, ba, aaa, aab, abb, aba, baa, bbb, bab, bba, .....}

RE: (a,b)<sup>\*</sup>

DLTS – (5, 7, 10)



Final State's Node No.	Regular Expression
4	{aba}
3	{ab}
2	{a}
1	{ $\pi$ }

20CS420  
 Rough  
 work

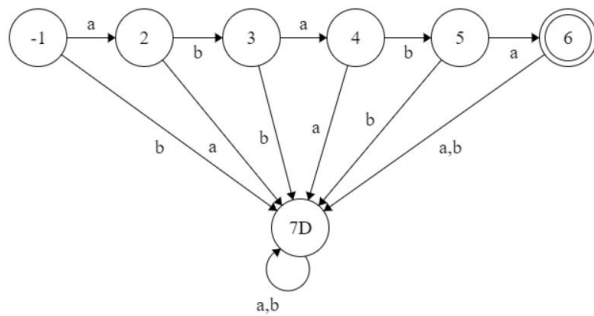
When Final State's Node is 5

$(b, aa, abb, abab, abaa)\{a,b\}^*$

Lex =  $\{\pi, a, b, aa, ab, ba, bb, aba, abb, aaa, aab, baa, bbb, bab, bba\}$

RE:  $(a,b)^*$

DLTS- (12, 14)



Final State's Node No.	Regular Expression
6	$\{ababa\}$
5	$\{abab\}$
4	$\{aba\}$
3	$\{ab\}$
2	$\{a\}$
1	$\{\pi\}$

When Final State's Node is 5

$(b, aa, abb, abaa, ababb, ababaa, ababab)\{a,b\}^*$

Lex:  $\{\pi, a, b, aa, ab, ba, bb, abb, aba, aaa, aab, baa, bab, bbb, bba, \dots\}$

RE:  $(a,b)^*$