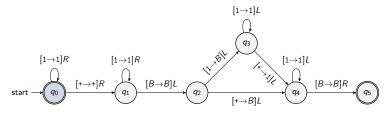
$$f(a,b) = a + b$$
 where a and b are unary numbers

 В	1	1	1	+	1	1	В	

- 1: Find + after 1's
- 2: if the last symbol is 1 then
- 3: Find and Remove the last 1
- 4: Find and Replace the + with 1
- 5: **else**
- 6: Remove the +
- 7: end if
- 8: Go to the first input symbol

$$f(a,b) = a + b$$
 where a and b are unary numbers

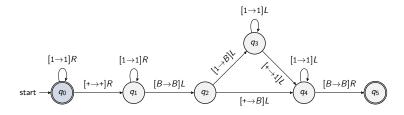
• • •	В	1	1	1	+	1	1	В	
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Find + after 1's.

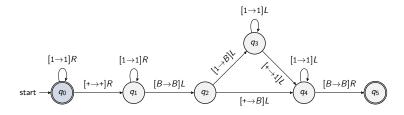
$$f(a,b) = a + b$$
 where a and b are unary numbers

• • •	В	1	1	1	+	1	1	В	• • •
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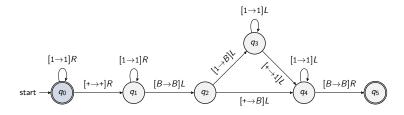
$$f(a,b) = a + b$$
 where a and b are unary numbers

• • •	В	1	1	1	+	1	1	В	
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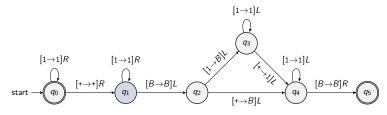
$$f(a,b) = a + b$$
 where a and b are unary numbers

• • •	В	1	1	1	+	1	1	В	• • •
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$$f(a,b) = a + b$$
 where a and b are unary numbers

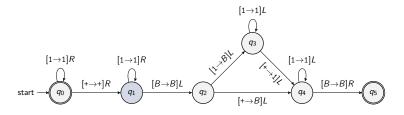
• • • •	В	1	1	1	+	1	1	В	• • •
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Check if the last symbol is 1.

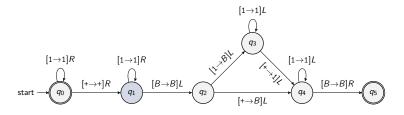
$$f(a,b) = a + b$$
 where a and b are unary numbers

•••	В	1	1	1	+	1	1	В	
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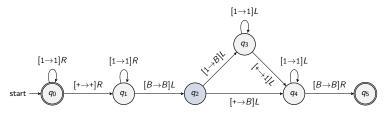
$$f(a,b) = a + b$$
 where a and b are unary numbers

•••	В	1	1	1	+	1	1	В	• • •
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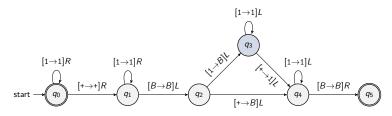


$$f(a,b) = a + b$$
 where a and b are unary numbers

• • •	В	1	1	1	+	1	1	В	• • •
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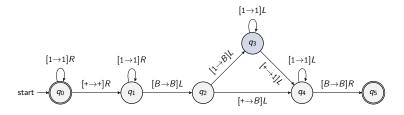
Since the last symbol is 1, find and remove the last 1.



Find and Replace the + with 1.

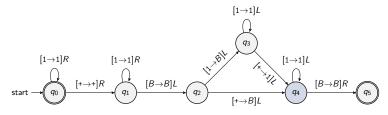
$$f(a,b) = a + b$$
 where a and b are unary numbers

•••	В	1	1	1	+	1	В	В	• • •
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$$f(a,b) = a + b$$
 where a and b are unary numbers

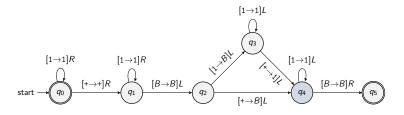
•••	В	1	1	1	1	1	В	В	• • •
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Go to the first input symbol.

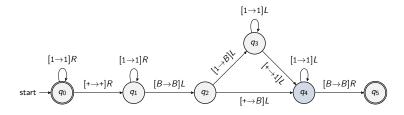
$$f(a,b) = a + b$$
 where a and b are unary numbers

• • •	В	1	1	1	1	1	В	В	• • •
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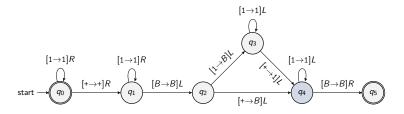
$$f(a,b) = a + b$$
 where a and b are unary numbers

•••	В	1	1	1	1	1	В	В	• • •
-----	---	---	---	---	---	---	---	---	-------



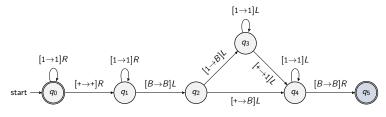
$$f(a,b) = a + b$$
 where a and b are unary numbers

•••	В	1	1	1	1	1	В	В	• • •
-----	---	---	---	---	---	---	---	---	-------



$$f(a,b) = a + b$$
 where a and b are unary numbers

• • •	В	1	1	1	1	1	В	В	
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Computed! f(111+11) = 11111