

[illegible]

1 1 0 1 0	-	-	-	-	-	-	-	0 1	0 0 0 0 0 1 1 0 1 1
1 1 0 1 1	-	-	-	-	-	-	-	-	1 1 1 0 0
1 1 1 0 0	-	-	-	-	-	-	-	-	1 1 0 0 1
1 1 1 0 1					0 1 0 1			0 0 1 1	0 0 1 0 1 0 0 1 0 1 0 0 1 0 1 0 0 0 1 1

$N0 = s4's3's2's1's0'go + s4's3's2's1s0' + s4's3's2s1s0'try\_lt10 + s4's3's2s1s0i\_lt8' + s4's3s2's1' +$   
 $s4's3s2's1s0' + s4's3s2's1s0getInput' + s4's3s2s1's0' + s4's3s2s1's0(found*i\_lt8' + i\_lt8' * ($   
 $word\_eqInput' + isFound\_i)) + s4's3s2s1 + s4s3's2's1's0' + s4s3's2's1s0' + s4s3's2's1s0isFound\_i$   
 $* i\_lt8 + s4s3's2s1' + s4s3's2s1s0'found + s4s3's2s1s0 + s4s3s2's1's0' + s4s3s2's1s0'i\_lt8 +$   
 $s4s3s2s1's0'$

$N1 = s4's3's2's1's0 + s4's3's2's1s0'word\_eq0 * i\_lt8 + s4's3's2s1' + s4's3's2s1s0'try\_lt10 +$   
 $s4's3's2s1s0(isFound\_i' * i\_lt8)' + s4's3s2's1's0 + s4's3s2's1s0getInput' + s4's3s2s1's0i\_lt8' +$   
 $s4's3s2s1s0' + s4s3's2'(s1 \text{ xor } s0) + s4s3's2's1s0i\_lt8' + s4s3's2(s1 \text{ xor } s0) + s4s3s2's1's0 +$   
 $s4s3s2's1s0'i\_lt8$

$N2 = s4's3's2's1s0' (word\_eq0' + it\_lt8) + s4's3's2's1s0 + s4's3's2s1's0 + s4's3's2s1s0'try\_lt10 +$   
 $s4's3s2's1's0 + s4's3s2's1s0getInput + s4's3s2s1's0' + s4's3s2s1's0i\_lt8 + s4's3s2s1s0' +$   
 $s4's3s2s1s0 + s4s3's2's1s0 + s4s3's2s1's0' + s4s3's2s1s0' + s4s3s2's1s0$

$N3 = s4's3's2s1s0'try\_lt10' + s4's3's2s1s0 + s4's3s2's0' + s4's3s2's1s0 + s4's3s2s1's0' +$   
 $s4's3s2s1's0i\_lt8 + s4's3s2s1 + s4s3's2s1s0 + s4s3s2's1' + s4s3s2's1 + s4s3s2s1's0'$

$N4 = s4's3's2s1s0'try\_lt10' + s4's3s2s1's0i\_lt8' + s4s3's2' + s4s3's2s1' + s4s3's2s1s0'found +$   
 $s4s3's2s1s0 + s4s3s2's1' + s4s3s2's1s0'i\_lt8 + s4s3s2's1s0 + s4s3s2s1's0'$