```
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                                     ilafontaine
                                                                        Page 1/7
   ______
   === Compiling with gcc -Wall -std=c99 -o ass2 *.c -lm
   ______
   ______
   === Compilation finished
   ______
   === Submission testing begins
   === test 1: ass2 < test6.txt
   === Output: differs from expectations
     Number of distinct actions: 7
     Length of the input trace: 80
     Trace status: valid
      abcdefghijklmnopqrstuvwxyz
15
     > 10101010101010101010101010
     Y 10101010101010101010101000
     E 10101010101010101010101000
      10101010101010101010101010
     Y 10101010101010101010101000
20
     E 101010101010101010101000
     S 101010101010101010101010
       10101010101010101010101000
      10101010101010101010101000
     S 101010101010101010101010
25
     Y 10101010101010101010101000
     E 10101010101010101010101000
      10101010101010101010101010
     Y 101010101010101010101000
     E 101010101010101010101000
30
     S 10101010101010101010101010
      10101010101010101010101000
     A 011010101010101010101000
     S 011010101010101010101010
     Y 01101010101010101010101000
     B 10101010101010101010101000
      10101010101010101010101010
     Y 10101010101010101010101000
     E 101010101010101010101000
40
     S 10101010101010101010101010
       10101010101010101010101000
      10101010101010101010101000
     S 10101010101010101010101010
     Y 101010101010101010101000
     E 10101010101010101010101000
45
      10101010101010101010101010
     Y 10101010101010101010101000
     E 101010101010101010101000
     S 101010101010101010101010
      10101010101010101010101000
50
      10101010101010101010101000
     S 10101010101010101010101010
     Y 10101010101010101010101000
     E 10101010101010101010101000
      10101010101010101010101010
55
     Y 101010101010101010101000
     E 101010101010101010101000
     S 101010101010101010101010
      10101010101010101010101000
       10101010101010101010101000
     S 10101010101010101010101010
     Y 10101010101010101010101000
     E 10101010101010101010101000
      10101010101010101010101010
     Y
      10101010101010101010101000
65
     A 01101010101010101010101000
     S 01101010101010101010101010
     Y 01101010101010101010101000
      10101010101010101010101000
     S 101010101010101010101010
70
     Y 10101010101010101010101000
     E 101010101010101010101000
      10101010101010101010101010
      10101010101010101010101000
```

S 101010101010101010101010101000	Nov	02, 20 10:44	jlafontaine	Page 2/7
Y 10101010101010101010101000 E 1010101010101010101010100 E 101010101010101010101010 E 1010101010101010101010 E 1010101010101010101010 E 10101010101010101010 E 1010101010101010101010 E 1010101010101010101010 E 10101010101010101010 E 1010101010101010101010 E 1010101010101010101010 E 1010101010101010101010 E 101010101010101010101010 E 101010101010101010101010 E 10101010101010101010101010 E 10101010101010101010101010100 E 101010101010101010101010100 E 1010101010101010101010101010101010101	75			
F 10101010101010101010101000				
E 101010101010101010101010000				
S 1010101010101010101010101010101010101	80			
Y 101010101010101010101010000				
\$ \$ 101010101010101010101010		Y 101010101010101010101000		
Y 101010101010101010101000 E 101010101010101010101000 Y 101010101010101010101000 S 10101010101010101010100 S 10101010101010101010100 E 10101010101010101010100 E 10101010101010101010100 E 10101010101010101010100 E 1010101010101010101010 E 10101010101010101010100 E 1010101010101010101010 E 10101010101010101010100 E 101010101010101010101010 O				
E 10101010101010101010101000 S 10101010101010101010101000 P 101010101010101010101000 S 101010101010101010101000 F 101010101010101010101000 F 101010101010101010101000 F 101010101010101010101000 S 101010101010101010101000 S 1010101010101010101010100 N 101010101010101010101000 N 1010101010101010101010100 O 10101010101010101010100 O 101010101010101010101000 -STRGE 1====================================	85			
Y 10101010101010101010101000 S 1010101010101010101000 Y 1010101010101010101000 Y 1010101010101010101000 E 101010101010101010101000 S 1010101010101010101010100 N 1010101010101010101010100 N 1010101010101010101010100 O 10101010101010101010100 -STACE ===================================		E 10101010101010101010101000		
## 10101010101010101010101000 S 10101010101010101010101000 E 1010101010101010101000 S 101010101010101010101000 S 101010101010101010101000 S 10101010101010101010101000 S 10101010101010101010101000 S 10101010101010101010101000 S 10101010101010101010101000 S 101010101010101010101010000 S 101010101010101010101010000 S 101010101010101010101010100000000000				
S 1010101010101010101010100	90			
E 101010101010101010101000 S 101010101010101010101010 N 10101010101010101010101010101010101010		S 10101010101010101010101010		
S 10101010101010101010101010 N 10101010101010101010101010 =STAGE 1====================================				
95 N 1010101010101010101010101010101010101				
=STAGE 1====================================	95	N 10101010101011001010101010		
Candidate routine: YES 100				
00		·	=======	
6		0: YES		
9	100	!		
12: YES 20: SYES 24: YES 27: YES 30: YES 30: YES 33: YES 33: YES 42: YES 42: YES 42: YES 42: YES 42: YES 45: YES 53: SYES 57: YES 60: YES 63: YES 66: YES 66: YES 69: YES 72: YES 73: YES 61: YES 62: YES 63: YES 63: YES 63: YES 63: YES 64: YES 73: YES 74: YES 75:				
24: YES 27: YES 30: YES 30: YES 33: YES 36: YES 42: YES 45: YES 53: SYES 57: YES 60: YES 63: YES 66: YES 69: YES 72: YES 73: YES 73: YES 74: YES 75: YES				
27: YES 30: YES 30: YES 36: YES 36: YES 36: YES 42: YES 45: YES 53: SYES 57: YES 60: YES 60: YES 66: YES 66: YES 72: YES 75: YES		1		
30: YES 33: YES 36: YES 39: YES 42: YES 45: YES 53: SYES 57: YES 60: YES 63: YES 66: YES 69: YES 72: YES 75: YES Candidate routine: NO 78: NO =STAGE 2====================================	105			
36: YES 39: YES 42: YES 45: YES 53: SYES 57: YES 60: YES 63: YES 63: YES 69: YES 72: YES 72: YES 72: YES 72: YES 72: YES 73: NO 78: NO				
39: YES 42: YES 45: YES 53: SYES 57: YES 60: YES 66: YES 66: YES 69: YES 75: YES 75: YES Candidate routine: NO 78: NO SETAGE 2====================================				
42: YES 45: YES 53: SYES 57: YES 60: YES 63: YES 66: YES 66: YES 72: YES 72: YES 75: YES Candidate routine: NO 78: NO =STAGE 2====================================	110			
53: SYES 57: YES 60: YES 60: YES 66: YES 66: YES 69: YES 72: YES 72: YES 72: YES 72: YES 73: NO ==STAGE 2===================================		42: YES		
57: YES				
60: YES 63: YES 66: YES 69: YES 75: YES 75: YES				
66: YES 69: YES 72: YES 75: YES 75: YES 75: YES	115	60: YES		
69: YES 72: YES 75: YES 75: YES				
75: YES		!		
Candidate routine: NO 78: NO =STAGE 2====================================				
78: NO ==STAGE 2====================================	120	75: YES		
=STAGE 2====================================		Candidate routine: NO		
Candidate routine: YES 0: YES 3: YES 6: YES 9: YES 130 - 20: SYES + 15: YASYBS + 21: YES 24: YES 24: YES 30: YES 30: YES 33: YES 36: YES 36: YES 39: YES 42: YES 42: YES 57: YES 60: YES 60: YES 63: YES				
0: YES 3: YES 6: YES 9: YES 9: YES 130	125		=======	
6: YES 9: YES 9: YES 12: YES 20: SYES + 15: YASYBS + 21: YES 24: YES 24: YES 30: YES 30: YES 33: YES 36: YES 39: YES 45: YES 45: YES 48: YASYBS + 48: YASYBS + 48: YASYBS + 54: YES 60: YES 60: YES 60: YES 60: YES 60: YES	125			
9: YES 12: YES 20: SYES + 15: YASYBS + 21: YES 24: YES 30: YES 30: YES 33: YES 36: YES 39: YES 45: YES 45: YES 48: YASYBS + 48: YASYBS + 48: YASYBS + 54: YES 57: YES 60: YES 63: YES				
12: YES		1		
+ 15: YASYBS + 21: YES 24: YES 30: YES 30: YES 36: YES 39: YES 42: YES 45: YES 45: YES + 48: YASYBS + 48: YASYBS + 54: YES 60: YES 60: YES 60: YES	130	1		
+ 21: YES 24: YES 30: YES 30: YES 33: YES 36: YES 39: YES 45: YES 45: YES 48: YASYBS + 48: YASYBS + 54: YES 60: YES 63: YES	-			
24: YES 27: YES 30: YES 33: YES 36: YES 39: YES 45: YES 45: YES 48: YASYBS + 48: YASYBS + 54: YES 60: YES 63: YES				
30: YES 33: YES 36: YES 39: YES 42: YES 45: YES 45: YES 48: YASYBS + 48: YASYBS + 54: YES 60: YES 63: YES				
33: YES 36: YES 39: YES 42: YES 45: YES - 53: SYES + 48: YASYBS + 54: YES 57: YES 60: YES 63: YES	135	1		
36: YES 39: YES 42: YES 45: YES - 53: SYES + 48: YASYBS + 54: YES 57: YES 60: YES 63: YES		1		
42: YES 45: YES - 53: SYES + 48: YASYBS + 54: YES 57: YES 60: YES 63: YES		1		
45: YES - 53: SYES + 48: YASYBS + 54: YES 57: YES 60: YES 63: YES				
- 53: SYES + 48: YASYBS + 54: YES 57: YES 60: YES 63: YES	140	!		
+ 48: YASYBS + 54: YES 57: YES 60: YES 63: YES	_	1		
57: YES 60: YES 63: YES	+	48: YASYBS		
60: YES 63: YES		1		
63: YES	145	1		
66: YES		1		
		66: YES		

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	69: YES	-	-
50	72: YES 75: YES		
	Candidate routine: NO 78: NO		
55	=THE END===========	=========	
	=== test 2: ass2 < test7.txt	=========	
	=== Output: matches expectation	ons 📒	
	==STAGE 0============		
60	Number of distinct actions: Length of the input trace:		
	Trace status: valid		
	abcdefghijklmnopqrstuvwxyz	 3	
65	> 1000000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
70	C 1100000000000000000000000000000000000		
70	D 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
75	C 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
80	A 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
85	A 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
	D 1100000000000000000000000000000000000		
90	A 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
	В 1100000000000000000000000000000000000		
95	A 1100000000000000000000000000000000000		
95	C 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
	B 1100000000000000000000000000000000000		
200	В 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
	D 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
205	A 1100000000000000000000000000000000000		
	B 1100000000000000000000000000000000000		
	A 1100000000000000000000000000000000000		
210	B 1100000000000000000000000000000000000		
	==STAGE 1====================================	========	
	Candidate routine: AB 6: AAB		
	10: AAB		
215	16: AAAB 24: AAAB		
	31: AB		
	33: AB		
220	38: AAAB 42: AAB		
0			

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	0: AAACAD 13: AAD		
225	20: AACD		
	35: AAD		
	Candidate routine: AB		
220	0: AAACADAAB 9: CAABAAD		
230	16: AAAB		
	20: AACDAAAB		
	28: AACABABAAD 38: AAAB		
235	42: AAB		
	==THE END===================================		
	=== test 3: ass2 < test8.		
	=== Output: differs from ending ==STAGE		
240	Number of distinct action		
	Length of the input trace	e: 172	
	Trace status: valid		
245	abcdefghijklmnopqrstuv		
	> 000000000000000000000000000000000000		
	L 00000000100000010000		
250	T 0000000000000000000100000000000000000		
250	E 00001000000000000010000		
	W 000010000000000010000		
	A 000010000000000000100000 S 000010000000000		
255	В 0000100000000000011000	1100	
	E 0000100000000000011000		
	I 0000101000000000011000	1100	
260	N 00001010000001000110000 N 00001010000001000110000		
260	I 0000101000000100011000		
	N 0000101000000100011000		
	T 0000101000000100011000		
265	0 0000101100000100011100		
	G 0000101100000100011100		
	T 0000101100000100011100	1100	
270	V 0000101100000100011101		
270	R 0000101100000100011101	1100	
	Y 0000101100000100011101		
	I 0000101100000100011101		
275	R 0000101100000100011101		
	E 0000101100000100011101		
	0 0001101100000100011101		
280	F 0001111100000100011101		
200	I 0001111100000100011101	1000	
	T 0001111100000100011101		
	I 0001111100000100011101		
285	N 0001111100000100011101		
	G 0001111100000100011101		
	Y 0001111100000100011101		
290	H 0001111100000100011101		
	R 0001111100000100011101	1000	
	S 0001111100000100011101		
	s 0001111100000100011101		
295	T 0001111100000100011101		
	LE 0001111100000100011101		

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	R 00011111000001000111011000 O 00011111000001000111011000		
	N 00011111000001000111011000		
300	T 00011111000001000111011000 H 00011111000001000111011000		
	E 00011111000001000111011000		
	В 00011111000001000111011100		
305	A 000111111000001000111011100 N 000111111000001000111011100		
303	K 00011111001001000111011100		
	A 00011111001001000111011000		
	N 000111111001001000111011000 D 00011111001001000111011000		
310	0 00011111001001000111011000		
	F 00011111001001000111011000		
	H 00011111001001000111011000		
	A 000111111001001000111011000 V 00011111001001000111011000		
315	I 00011111001001000111011000		
	N 00011111001001000111011000		
	G 000111111001001000111011000 N 00011111001001000111011000		
	0 00011111001001000111011000		
320	T 000111111001001000111011000 H 000111111001001000111011000		
	I 00011111001001000111011000		
	N 00011111001001000111011000		
325	G 000111111001001000111011000 T 00011111001001000111011000		
323	0 00011111001001000111011000		
	D 00011111001001000111011000		
	O 000111111001001000111011000 O 00011111001001000111011000		
330	N 00011111001001000111011000		
	C 00011111001001000111011000		
	E 000111111001001000111011000 O 00011111001001000111011000		
	R 00011111001001000111011000		
335	T 00011111001001000111011000		
	W 00011111001001000111011000 I 00011111001001000111011000		
	C 00011111001001000111011000		
	E 00011111001001000111011000		
340	S 000111111001001000111011000 H 00011111001001000111011000		
	E 00011111001001000111011000		
	H 00011111001001000111011000		
345	A 000111111001001000111011000 D 00011111001001000111011000		
	P 00011111001001000111011000		
	E 000111111001001000111011000 E 000111111001001000111011000		
	P 00011111001001000111011000		
350	E 00011111001001000111011000		
	D 000111111001001000111011000 I 000111111001001000111011000		
	N 00011111001001000111011000		
	T 00011111001001000111011000		
355	O 000111111001001000111011000 T 000111111001001000111011000		
	H 00011111001001000111011000		
	E 00011111001001000111011000		
360	B 000111111001001000111011100 O 000111111001001000111011100		
300	0 00011111001001000111011100		
	K 00011111001001000111011000		
	H 000111111001001000111011000 E 00011111001001000111011000		
365	R 00011111001001000111011000		
	S 00011111001001000111011000		
	I 000111111001001000111011000 S 00011111001001000111011000		
	T 000111111001001000111011000		
370	E 00011111001001000111011000		

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375	R 00011111001001000111011000 W 00011111001001000111011000 A 00011111001001000111011000 S 00011111001001000111011000 R 00011111001001000111011000 E 00011111001001000111011000		
380	A 00011111001001000111011000 D 00011111001001000111011000 I 00011111001001000111011000 N 00011111001001000111011000 G 00011111001001000111011000		
385	B 00011111001001000111011100 U 0001111110010010001110111010 T 00011111001001000111011000 I 00011111001001000111011000 T 00011111001001000111011000 H 00011111001001000111011000		
390	A 00011111001001000111011000 D 00011111001001000111011000 N 00011111001001000111011000 O 00011111001001000111011000 P 00011111001001000111011000		
395	I 00011111001001000111011000 C 00011111001001000111011000 T 00011111001001000111011000 U 00011111001001000111011000 R 00011111001001000111011000 E 00011111001001000111011000		
400	S 00011111001001000111011000 O 00011111001001000111011000 R 00011111001001000111011000 C 00011111001001000111011000 O 00011111001001000111011000		
405	N 00011111001001000111011000 V 000111110010010001110110100 E 00011111001001000111011000 R 00011111001001000111011000 S 00011111001001000111011000		
410	A 00011111001001000111011000 T 00011111001001000111011000 I 00011111001001000111011000 O 00011111001001000111011000 N 00011111001001000111011000		
415	S 00011111001001000111011000 I 00011111001001000111011000 N 00011111001001000111011000 I 00011111001001000111011000 T 00011111001001000111011000		
420	==STAGE 1====================================	=======	
425	78: TO 107: TO 109: TH 139: TH		
430	Candidate routine: ER 23: ER 28: RE 43: ER 49: ER		
435	99: PE 101: EP 117: ER 123: ER 128: RE		
440	150: RE 154: RC 159: ER		
	Candidate routine: HER 42: HER		

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445	49: ERO		
	84: CEOR		
	94: HEHA		
	116: HER		
	153: ORC		
450	==STAGE 2=======	===========	
	Candidate routine: TO		
	17: TO		
	53: TH		
	72: OT		
455	78: TO		
	107: TO		
	109: TH		
	135: BUTITH		
-	163: TIO		
460			
	Candidate routine: ER	📮	
	0: ALIC		
	23: ER		
_	27: IRE		
465 +	28: RE		
	43: ER		
	49: ER		
	99: PE		
	101: EP		
470	117: ER		
	123: ER		
	128: RE		
-	145: PIC		
-	149: URE		
475 +			
	154: RC		
	159: ER		
	Candidate routine: HER		
480	40: BYHER		
	49: ERO		
	84: CEOR		
	94: HEHA		
195 —	116: HER		
485 —	144: OPIC		
	153: ORC		
_	==THE END===================================		
	== Submission testing en		
	Submission testing en		
+30 -			