

# LISBY PART 3

## STRING TABLE

-- entries:5

offset	index	length	content
0x18	0	11	Incoming...
0x2b	1	1	\n
0x34	2	9	Mangled:
0x45	3	6	Flag:
0x53	4	8	Zippped:

## SYMBOL TABLE

-- entries:16

offset	index	length	content
0x6b	0	7	mangled
0x7a	1	4	flag
0x86	2	6	-first
0x94	3	4	pair
0xa0	4	7	-second
0xaf	5	12	gen-reverser
0xc3	6	7	counter
0xd2	7	4	modu
0xde	8	3	res
0xe9	9	3	zip
0xf4	10	8	what-one
0x104	11	8	what-two
0x114	12	3	map
0x11f	13	4	with
0x12b	14	4	what
0x137	15	6	zippped

Amount of Tapes: 7

-----  
tape number : 0  
length of tape : 963 bytes  
tape start : 0x0000014d  
tape end : 0x00000510  
-----

0x0000014d	0x0	0aaa0000000000000000	PUSHI , 0xaa	; 170	
0x00000156	0x9	0a570000000000000000	PUSHI , 0x57	; 87	'W'
0x0000015f	0x12	0a760000000000000000	PUSHI , 0x76	; 118	'v'
0x00000168	0x1b	0a500000000000000000	PUSHI , 0x50	; 80	'P'
0x00000171	0x24	0a3e0000000000000000	PUSHI , 0x3e	; 62	'>'
0x0000017a	0x2d	0ad40000000000000000	PUSHI , 0xd4	; 212	
0x00000183	0x36	0af30000000000000000	PUSHI , 0xf3	; 243	
0x0000018c	0x3f	0a8a0000000000000000	PUSHI , 0x8a	; 138	
0x00000195	0x48	0ae40000000000000000	PUSHI , 0xe4	; 228	
0x0000019e	0x51	0ad50000000000000000	PUSHI , 0xd5	; 213	
0x000001a7	0x5a	0ac60000000000000000	PUSHI , 0xc6	; 198	
0x000001b0	0x63	0a070000000000000000	PUSHI , 0x7	; 7	
0x000001b9	0x6c	0a120000000000000000	PUSHI , 0x12	; 18	
0x000001c2	0x75	0a0d0000000000000000	PUSHI , 0xd	; 13	
0x000001cb	0x7e	0a820000000000000000	PUSHI , 0x82	; 130	
0x000001d4	0x87	0ac90000000000000000	PUSHI , 0xc9	; 201	
0x000001dd	0x90	0a590000000000000000	PUSHI , 0x59	; 89	'Y'
0x000001e6	0x99	0a520000000000000000	PUSHI , 0x52	; 82	'R'
0x000001ef	0xa2	0aa20000000000000000	PUSHI , 0xa2	; 162	
0x000001f8	0xab	0a170000000000000000	PUSHI , 0x17	; 23	
0x00000201	0xb4	0ac00000000000000000	PUSHI , 0xc0	; 192	
0x0000020a	0xbd	0a7b0000000000000000	PUSHI , 0x7b	; 123	'{'
0x00000213	0xc6	0a5d0000000000000000	PUSHI , 0x5d	; 93	']'
0x0000021c	0xcf	0a5a0000000000000000	PUSHI , 0x5a	; 90	'Z'
0x00000225	0xd8	0a0c0000000000000000	PUSHI , 0xc	; 12	
0x0000022e	0xe1	0a520000000000000000	PUSHI , 0x52	; 82	'R'
0x00000237	0xea	0a180000000000000000	PUSHI , 0x18	; 24	
0x00000240	0xf3	0afa0000000000000000	PUSHI , 0xfa	; 250	
0x00000249	0xfc	0a6c0000000000000000	PUSHI , 0x6c	; 108	'l'
0x00000252	0x105	0ad20000000000000000	PUSHI , 0xd2	; 210	
0x0000025b	0x10e	0a9e0000000000000000	PUSHI , 0x9e	; 158	
0x00000264	0x117	0a360000000000000000	PUSHI , 0x36	; 54	'6'
0x0000026d	0x120	27200000000000000000	LIST , 0x20	; '32'	
0x00000276	0x129	25000000000000000000	DECLARE , 0x0	; [mangled]	
0x0000027f	0x132	1d000000000000000000	STORETOP , 0x0	; [mangled]	
0x00000288	0x13b	11	PUSHUNIT		
0x00000289	0x13c	0ad40000000000000000	PUSHI , 0xd4	; 212	
0x00000292	0x145	0a740000000000000000	PUSHI , 0x74	; 116	't'
0x0000029b	0x14e	0a170000000000000000	PUSHI , 0x17	; 23	
0x000002a4	0x157	0a230000000000000000	PUSHI , 0x23	; 35	'#'
0x000002ad	0x160	0a560000000000000000	PUSHI , 0x56	; 86	'V'
0x000002b6	0x169	0aa90000000000000000	PUSHI , 0xa9	; 169	
0x000002bf	0x172	0ab30000000000000000	PUSHI , 0xb3	; 179	
0x000002c8	0x17b	0afb0000000000000000	PUSHI , 0xfb	; 251	
0x000002d1	0x184	0a970000000000000000	PUSHI , 0x97	; 151	
0x000002da	0x18d	0aa70000000000000000	PUSHI , 0xa7	; 167	
0x000002e3	0x196	0aa60000000000000000	PUSHI , 0xa6	; 166	
0x000002ec	0x19f	0a710000000000000000	PUSHI , 0x71	; 113	'q'
0x000002f5	0x1a8	0a7d0000000000000000	PUSHI , 0x7d	; 125	'}'
0x000002fe	0x1b1	0a580000000000000000	PUSHI , 0x58	; 88	'X'
0x00000307	0x1ba	0a1e0000000000000000	PUSHI , 0x1e	; 30	''
0x00000310	0x1c3	0aa90000000000000000	PUSHI , 0xa9	; 169	

tape number	:	0				
0x00000319	0x1cc	0a2c0000000000000000	PUSHI	, 0x2c	; 44	' , '
0x00000322	0x1d5	0a0f0000000000000000	PUSHI	, 0xf	; 15	
0x0000032b	0x1de	0afe0000000000000000	PUSHI	, 0xfe	; 254	
0x00000334	0x1e7	0a770000000000000000	PUSHI	, 0x77	; 119	' w '
0x0000033d	0x1f0	0ada0000000000000000	PUSHI	, 0xda	; 218	
0x00000346	0x1f9	0a170000000000000000	PUSHI	, 0x17	; 23	
0x0000034f	0x202	0a3b0000000000000000	PUSHI	, 0x3b	; 59	' ; '
0x00000358	0x20b	0a330000000000000000	PUSHI	, 0x33	; 51	' 3 '
0x00000361	0x214	0a670000000000000000	PUSHI	, 0x67	; 103	' g '
0x0000036a	0x21d	0a2b0000000000000000	PUSHI	, 0x2b	; 43	' + '
0x00000373	0x226	0a2d0000000000000000	PUSHI	, 0x2d	; 45	' - '
0x0000037c	0x22f	0ac70000000000000000	PUSHI	, 0xc7	; 199	
0x00000385	0x238	0a320000000000000000	PUSHI	, 0x32	; 50	' 2 '
0x0000038e	0x241	0a940000000000000000	PUSHI	, 0x94	; 148	
0x00000397	0x24a	0ade0000000000000000	PUSHI	, 0xde	; 222	
0x000003a0	0x253	0a600000000000000000	PUSHI	, 0x60	; 96	' \ ' '
0x000003a9	0x25c	27200000000000000000	LIST	, 0x20	; ' 32 '	
0x000003b2	0x265	25010000000000000000	DECLARE	, 0x1	; [flag]	
0x000003bb	0x26e	1d010000000000000000	STORETOP	, 0x1	; [flag]	
0x000003c4	0x277	11	PUSHUNIT			
0x000003c5	0x278	25020000000000000000	DECLARE	, 0x2	; [-first]	
0x000003ce	0x281	12010000000000000000	PUSHCLOSURE	, 0x1	; Tape:1	
0x000003d7	0x28a	1d020000000000000000	STORETOP	, 0x2	; [-first]	
0x000003e0	0x293	11	PUSHUNIT			
0x000003e1	0x294	25040000000000000000	DECLARE	, 0x4	; [-second]	
0x000003ea	0x29d	12020000000000000000	PUSHCLOSURE	, 0x2	; Tape:2	
0x000003f3	0x2a6	1d040000000000000000	STORETOP	, 0x4	; [-second]	
0x000003fc	0x2af	11	PUSHUNIT			
0x000003fd	0x2b0	25050000000000000000	DECLARE	, 0x5	; [gen-reverser]	
0x00000406	0x2b9	12030000000000000000	PUSHCLOSURE	, 0x3	; Tape:3	
0x0000040f	0x2c2	1d050000000000000000	STORETOP	, 0x5	; [gen-reverser]	
0x00000418	0x2cb	11	PUSHUNIT			
0x00000419	0x2cc	25090000000000000000	DECLARE	, 0x9	; [zip]	
0x00000422	0x2d5	12050000000000000000	PUSHCLOSURE	, 0x5	; Tape:5	
0x0000042b	0x2de	1d090000000000000000	STORETOP	, 0x9	; [zip]	
0x00000434	0x2e7	11	PUSHUNIT			
0x00000435	0x2e8	250c0000000000000000	DECLARE	, 0xc	; [map]	
0x0000043e	0x2f1	12060000000000000000	PUSHCLOSURE	, 0x6	; Tape:6	
0x00000447	0x2fa	1d0c0000000000000000	STORETOP	, 0xc	; [map]	
0x00000450	0x303	11	PUSHUNIT			
0x00000451	0x304	0c000000000000000000	PUSHSTR	, 0x0	; "Incoming..."	
0x0000045a	0x30d	26	PRINT			
0x0000045b	0x30e	0c010000000000000000	PUSHSTR	, 0x1	; "\n"	
0x00000464	0x317	26	PRINT			
0x00000465	0x318	11	PUSHUNIT			
0x00000466	0x319	0c020000000000000000	PUSHSTR	, 0x2	; "Mangled: "	
0x0000046f	0x322	26	PRINT			
0x00000470	0x323	0d000000000000000000	PUSHSY	, 0x0	; [mangled]	
0x00000479	0x32c	26	PRINT			
0x0000047a	0x32d	0c010000000000000000	PUSHSTR	, 0x1	; "\n"	
0x00000483	0x336	26	PRINT			
0x00000484	0x337	11	PUSHUNIT			
0x00000485	0x338	0c030000000000000000	PUSHSTR	, 0x3	; "Flag: "	
0x0000048e	0x341	26	PRINT			
0x0000048f	0x342	0d010000000000000000	PUSHSY	, 0x1	; [flag]	
0x00000498	0x34b	26	PRINT			
0x00000499	0x34c	0c010000000000000000	PUSHSTR	, 0x1	; "\n"	
0x000004a2	0x355	26	PRINT			

tape number : 0

0x000004a3	0x356	11
0x000004a4	0x357	0d0100000000000000
0x000004ad	0x360	0d0000000000000000
0x000004b6	0x369	0d0900000000000000
0x000004bf	0x372	16
0x000004c0	0x373	250f00000000000000
0x000004c9	0x37c	1d0f00000000000000
0x000004d2	0x385	11
0x000004d3	0x386	0c0400000000000000
0x000004dc	0x38f	26
0x000004dd	0x390	0d0f00000000000000
0x000004e6	0x399	26
0x000004e7	0x39a	0c0100000000000000
0x000004f0	0x3a3	26
0x000004f1	0x3a4	11
0x000004f2	0x3a5	0d0f00000000000000
0x000004fb	0x3ae	0d0500000000000000
0x00000504	0x3b7	16
0x00000505	0x3b8	0d0c00000000000000
0x0000050e	0x3c1	16
0x0000050f	0x3c2	00

PUSHUNIT	
PUSHSY , 0x1	; [flag]
PUSHSY , 0x0	; [mangled]
PUSHSY , 0x9	; [zip]
CALL	
DECLARE , 0xf	; [zipped]
STORETOP , 0xf	; [zipped]
PUSHUNIT	
PUSHSTR , 0x4	; "Zipped: "
PRINT	
PUSHSY , 0xf	; [zipped]
PRINT	
PUSHSTR , 0x1	; "\n"
PRINT	
PUSHUNIT	
PUSHSY , 0xf	; [zipped]
PUSHSY , 0x5	; [gen-reverser]
CALL	
PUSHSY , 0xc	; [map]
CALL	
HALT	

END OF TAPE

-----  
tape number : 1  
length of tape : 29 bytes  
tape start : 0x00000518  
tape end : 0x00000535  
-----

0x00000518	0x0	25030000000000000000	DECLARE , 0x3	; [pair]
0x00000521	0x9	1c030000000000000000	STORE , 0x3	; [pair]
0x0000052a	0x12	0d030000000000000000	PUSHSY , 0x3	; [pair]
0x00000533	0x1b	28	HEAD	
0x00000534	0x1c	18	RET	

END OF TAPE

-----  
tape number : 2  
length of tape : 30 bytes  
tape start : 0x0000053d  
tape end : 0x0000055b  
-----

0x0000053d	0x0	25030000000000000000	DECLARE , 0x3	; [pair]
0x00000546	0x9	1c030000000000000000	STORE , 0x3	; [pair]
0x0000054f	0x12	0d030000000000000000	PUSHSY , 0x3	; [pair]
0x00000558	0x1b	29	TAIL	
0x00000559	0x1c	28	HEAD	
0x0000055a	0x1d	18	RET	

END OF TAPE

```
-----
tape number      : 3
length of tape  : 39 bytes
tape start       : 0x00000563
tape end         : 0x0000058a
-----
```

0x00000563	0x0	2d	NEWENV		
0x00000564	0x1	25060000000000000000	DECLARE	, 0x6	; [counter]
0x0000056d	0xa	0a000000000000000000	PUSHI	, 0x0	; 0
0x00000576	0x13	1c060000000000000000	STORE	, 0x6	; [counter]
0x0000057f	0x1c	12040000000000000000	PUSHCLOSURE	, 0x4	; Tape:4
0x00000588	0x25	2e	DEPARTENV		
0x00000589	0x26	18	RET		

END OF TAPE

```

-----
tape number      : 4
length of tape  : 184 bytes
tape start       : 0x00000592
tape end         : 0x0000064a
-----

```

0x00000592	0x0	25030000000000000000	DECLARE , 0x3	; [pair]
0x0000059b	0x9	1c030000000000000000	STORE , 0x3	; [pair]
0x000005a4	0x12	2d	NEWENV	
0x000005a5	0x13	25070000000000000000	DECLARE , 0x7	; [modu]
0x000005ae	0x1c	0a080000000000000000	PUSHI , 0x8	; 8
0x000005b7	0x25	0d060000000000000000	PUSHSY , 0x6	; [counter]
0x000005c0	0x2e	06	MOD	
0x000005c1	0x2f	0a080000000000000000	PUSHI , 0x8	; 8
0x000005ca	0x38	02	SUB	
0x000005cb	0x39	0d030000000000000000	PUSHSY , 0x3	; [pair]
0x000005d4	0x42	0d020000000000000000	PUSHSY , 0x2	; [-first]
0x000005dd	0x4b	16	CALL	
0x000005de	0x4c	02	SUB	
0x000005df	0x4d	1c070000000000000000	STORE , 0x7	; [modu]
0x000005e8	0x56	25080000000000000000	DECLARE , 0x8	; [res]
0x000005f1	0x5f	0d030000000000000000	PUSHSY , 0x3	; [pair]
0x000005fa	0x68	0d040000000000000000	PUSHSY , 0x4	; [-second]
0x00000603	0x71	16	CALL	
0x00000604	0x72	0aff0000000000000000	PUSHI , 0xff	; 255
0x0000060d	0x7b	0d070000000000000000	PUSHSY , 0x7	; [modu]
0x00000616	0x84	06	MOD	
0x00000617	0x85	05	XOR	
0x00000618	0x86	1c080000000000000000	STORE , 0x8	; [res]
0x00000621	0x8f	0a010000000000000000	PUSHI , 0x1	; 1
0x0000062a	0x98	0d060000000000000000	PUSHSY , 0x6	; [counter]
0x00000633	0xa1	01	ADD	
0x00000634	0xa2	1c060000000000000000	STORE , 0x6	; [counter]
0x0000063d	0xab	11	PUSHUNIT	
0x0000063e	0xac	15	POP	
0x0000063f	0xad	0d080000000000000000	PUSHSY , 0x8	; [res]
0x00000648	0xb6	2e	DEPARTENV	
0x00000649	0xb7	18	RET	

END OF TAPE



-----  
tape number : 5  
length of tape : 200 bytes  
tape start : 0x00000652  
tape end : 0x0000071a  
-----

0x00000652	0x0	250a0000000000000000	DECLARE , 0xa	; [what-one]
0x0000065b	0x9	1c0a0000000000000000	STORE , 0xa	; [what-one]
0x00000664	0x12	250b0000000000000000	DECLARE , 0xb	; [what-two]
0x0000066d	0x1b	1c0b0000000000000000	STORE , 0xb	; [what-two]
0x00000676	0x24	27000000000000000000	LIST , 0x0	; '0'
0x0000067f	0x2d	0d0a0000000000000000	PUSHSY , 0xa	; [what-one]
0x00000688	0x36	1e	EQ	
0x00000689	0x37	195c0000000000000000	JT , 0x5c	; 0x000006ae
0x00000692	0x40	27000000000000000000	LIST , 0x0	; '0'
0x0000069b	0x49	0d0b0000000000000000	PUSHSY , 0xb	; [what-two]
0x000006a4	0x52	1e	EQ	
0x000006a5	0x53	1a660000000000000000	JF , 0x66	; 0x000006b8
0x000006ae	0x5c	0f	PUSHTRUE <--	
0x000006af	0x5d	1b670000000000000000	JMP , 0x67	; 0x000006b9
0x000006b8	0x66	10	PUSHFALSE <--	
0x000006b9	0x67	1a820000000000000000	JF , 0x82	; 0x000006d4 <--
0x000006c2	0x70	27000000000000000000	LIST , 0x0	; '0'
0x000006cb	0x79	1bc70000000000000000	JMP , 0xc7	; 0x00000719
0x000006d4	0x82	0d0b0000000000000000	PUSHSY , 0xb	; [what-two] <--
0x000006dd	0x8b	28	HEAD	
0x000006de	0x8c	0d0a0000000000000000	PUSHSY , 0xa	; [what-one]
0x000006e7	0x95	28	HEAD	
0x000006e8	0x96	27020000000000000000	LIST , 0x2	; '2'
0x000006f1	0x9f	27010000000000000000	LIST , 0x1	; '1'
0x000006fa	0xa8	0d0b0000000000000000	PUSHSY , 0xb	; [what-two]
0x00000703	0xb1	29	TAIL	
0x00000704	0xb2	0d0a0000000000000000	PUSHSY , 0xa	; [what-one]
0x0000070d	0xbb	29	TAIL	
0x0000070e	0xbc	0d090000000000000000	PUSHSY , 0x9	; [zip]
0x00000717	0xc5	16	CALL	
0x00000718	0xc6	2a	LISTCAT	
0x00000719	0xc7	18	RET <--	

END OF TAPE

```

-----
tape number      : 6
length of tape  : 142 bytes
tape start       : 0x00000722
tape end         : 0x000007b0
-----

```

0x00000722	0x0	250d0000000000000000	DECLARE , 0xd	; [with]
0x0000072b	0x9	1c0d0000000000000000	STORE , 0xd	; [with]
0x00000734	0x12	250e0000000000000000	DECLARE , 0xe	; [what]
0x0000073d	0x1b	1c0e0000000000000000	STORE , 0xe	; [what]
0x00000746	0x24	27000000000000000000	LIST , 0x0	; '0'
0x0000074f	0x2d	0d0e0000000000000000	PUSHSY , 0xe	; [what]
0x00000758	0x36	1e	EQ	
0x00000759	0x37	1a520000000000000000	JF , 0x52	; 0x00000774
0x00000762	0x40	27000000000000000000	LIST , 0x0	; '0'
0x0000076b	0x49	1b8d0000000000000000	JMP , 0x8d	; 0x000007af
0x00000774	0x52	0d0e0000000000000000	PUSHSY , 0xe	; [what] <--
0x0000077d	0x5b	28	HEAD	
0x0000077e	0x5c	0d0d0000000000000000	PUSHSY , 0xd	; [with]
0x00000787	0x65	16	CALL	
0x00000788	0x66	27010000000000000000	LIST , 0x1	; '1'
0x00000791	0x6f	0d0e0000000000000000	PUSHSY , 0xe	; [what]
0x0000079a	0x78	29	TAIL	
0x0000079b	0x79	0d0d0000000000000000	PUSHSY , 0xd	; [with]
0x000007a4	0x82	0d0c0000000000000000	PUSHSY , 0xc	; [map]
0x000007ad	0x8b	16	CALL	
0x000007ae	0x8c	2a	LISTCAT	
0x000007af	0x8d	18	RET <--	

END OF TAPE