# LISTING 1

```
10 **************
20 *              *
30 *   CUBULUX    *
40 *              *
50 *     PAR      *
60 *  DOMINIQUE   *
70 *  LIARD 1991. *
80 *              *
90 **************
100  MEMORY  &4FFF:LOAD"CUBULUX1":LOAD"CU
BULUX2":LOAD"CUBULUX.HIG":CALL &5850
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# LISTING 2

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5020:32 88 60 C8 60 40 C8 00 C8 00 48 08 0C 48 40 C0:C3
5030:32 00 60 88 60 48 C8 48 C8 48 48 48 0C 40 40 80:95
5040:32 88 60 C8 60 40 8C 00 C8 80 48 08 0C 48 40 C0:43
5050:32 88 60 C8 60 40 8C 00 C8 80 48 00 48 00 40 00:01
5060:32 88 60 C8 60 40 8C 08 C8 48 48 48 0C 48 40 C0:74
5070:22 88 60 C8 60 48 8C 48 C8 48 48 48 48 48 40 40:AD
5080:32 88 10 C0 04 80 04 80 04 80 04 80 0C 08 40 C0:B6
5090:32 88 60 C8 40 48 00 48 08 48 48 48 04 40 00 80:F6
50A0:22 00 60 88 60 48 8C 40 C8 08 48 48 48 48 40 40:08
50B0:22 00 60 00 60 00 C8 00 C8 00 48 08 0C 48 40 C0:8E
50C0:22 88 30 C8 24 48 8C 48 C8 48 48 48 48 48 40 40:40
50D0:22 88 60 C8 24 48 8C 48 8C 48 48 48 48 48 40 40:C2
50E0:32 88 60 C8 60 48 C8 48 C8 48 48 48 0C 48 40 C0:CC
50F0:32 88 60 C8 60 48 8C 48 C8 C0 48 00 48 00 40 00:97
5100:32 88 60 C8 60 48 C8 48 C8 48 48 48 0C 48 40 84:28
5110:32 88 60 C8 60 48 8C 48 8C C0 48 08 48 48 40 40:F1
5120:32 88 60 C8 60 40 8C 08 40 48 08 48 0C 48 40 C0:A5
5130:32 88 10 C0 04 80 04 80 04 80 04 80 04 80 00 80:CD
5140:22 88 60 C8 60 48 C8 48 C8 48 48 48 0C 48 40 C0:1C
5150:22 88 60 C8 60 48 C8 48 04 40 04 80 04 80 00 80:88
5160:22 88 60 C8 60 48 8C 48 8C 48 0C 48 48 48 40 40:E9
5170:22 88 60 C8 60 48 04 40 88 08 48 48 48 48 40 40:ED
5180:22 88 60 C8 60 48 8C 48 40 48 08 48 0C 48 40 C0:27
5190:32 88 60 C8 40 48 04 40 88 80 48 08 0C 48 40 C0:27
51A0:00 00 00 00 00 00 00 00 44 00 04 80 00 80 00 00:91
51B0:03 A8 16 BC 16 BC BC BC BC BC BC BC FC BC 14 3C:88
51C0:01 00 56 28 54 28 54 28 54 28 54 28 FC A8 14 3C:E9
51D0:01 00 02 A8 14 BC 54 14 A8 28 BC A8 FC BC 14 3C:2A
51E0:03 00 14 A8 00 BC 54 14 00 A8 00 BC FC 14 14 28:80
51F0:54 00 54 28 54 28 54 28 A8 28 BC A8 FC FC 14 BC:85
5200:03 A8 16 BC 16 14 54 00 00 A8 A8 BC 54 14 00 28:A3
5210:03 A8 16 3C 16 00 FC A8 BC BC BC BC FC BC 14 3C:9B
5220:03 A8 14 BC 00 BC 54 14 54 28 54 28 54 28 00 28:58
5230:03 A8 16 BC 16 BC FC BC BC BC BC BC FC BC 14 3C:CA
5240:03 A8 16 BC 16 BC FC BC 14 BC 00 BC FC BC 14 3C:D0
5250:00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00:A2
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5270:00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00:C2
5280:00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00:D2
5290:64 48 64 48 64 48 64 48 80 00 00 10 80 00 00 10:9B
52A0:08 00 00 44 08 00 00 44 88 00 00 04 88 00 00 04:82
52B0:20 00 00 40 20 00 00 40 80 00 00 10 80 00 00 10:93
52C0:08 00 00 44 08 00 00 44 98 84 98 84 98 84 98 84:FD
52D0:90 8C 90 8C 90 8C 90 8C 08 00 00 40 08 00 00 40:DE
52E0:88 00 00 10 88 00 00 10 20 00 00 44 20 00 00 44:61
52F0:80 00 00 04 80 00 00 04 08 00 00 40 08 00 00 40:2E
5300:88 00 00 10 88 00 00 10 60 4C 60 4C 60 4C 60 4C:D8
5310:48 64 48 64 48 64 48 64 88 00 00 04 88 00 00 04:EB
5320:20 00 00 40 20 00 00 40 80 00 00 10 80 00 00 10:03
5330:08 00 00 44 08 00 00 44 88 00 00 04 88 00 00 04:13
5340:20 00 00 40 20 00 00 40 84 98 84 98 84 98 84 98:2E
5350:8C 90 8C 90 8C 90 8C 90 20 00 00 44 20 00 00 44:F1
5360:80 00 00 04 80 00 00 04 08 00 00 40 08 00 00 40:9E
5370:88 00 00 10 88 00 00 10 20 00 00 44 20 00 00 44:F1
5380:80 00 00 04 80 00 00 04 4C 60 4C 60 4C 60 4C 60:E8
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53B0:8C 0C 0C 48 8C 0C 0C 48 8C 0C 0C 48 8C 0C 0C 48:E1
53C0:8C 0C 0C 48 8C 0C 0C 48 8C 0C 0C C8 C0 C0 C0 C0:A6
53D0:03 03 03 16 03 FC FC BC 56 FC FC BC 56 FC FC BC:D5
53E0:56 FC FC BC 56 FC FC BC 56 FC FC BC 56 FC FC BC:55
53F0:56 FC FC BC 56 FC FC BC 56 FC FC BC 56 FC FC BC:65
5400:3C 16 3C 3C FC 56 BC FC 56 BC FC 56 BC FC 56 BC:4F
5410:33 33 33 27 33 CF CF 8F 67 CF CF 8F 67 CF CF 8F:6B
5420:67 CF CF 8F 67 CF CF 8F 67 CF CF 8F 67 CF CF 8F:65
5430:67 CF CF 8F 67 CF CF 8F 67 CF CF 8F 67 CF CF 8F:75
5440:67 CF CF 8F 67 CF CF 8F 67 CF CF 0F 27 0F 0F 0F:5E
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5460:BF 3F 3F 7B BF 3F 3F 7B BF 3F 3F 7B BF 3F 3F 7B:C5
5470:BF 3F 3F 7B BF 3F 3F 7B BF 3F 3F 7B BF 3F 3F 7B:D5
5480:BF 3F 3F 7B BF 3F 3F 7B BF 3F 3F FB F3 F3 F3 F3:9A
5490:0C CC 30 33 0C CC 30 33 0C CC 30 33 0C CC 30 33:96
54A0:0C CC 30 33 0C CC 30 33 0C CC 30 33 0C CC 30 33:A6
54B0:0C CC 30 33 0C CC 30 33 0C CC 30 33 0C CC 30 33:B6
54C0:0C CC 30 33 0C CC 30 33 0C CC 30 33 0C CC 30 33:C6
54D0:0C 0C 0C 0C 0C 0C 0C 0C 0C 0C 0C 0C 0C 0C 0C 0C:8B
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54F0:30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30:DE
5500:33 33 33 33 33 33 33 33 33 33 33 33 33 33 33 33:88
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5520:F3 3F FF CF F3 3F FF CF F3 3F FF CF F3 3F FF CF:84
5530:F3 3F FF CF F3 3F FF CF F3 3F FF CF F3 3F FF CF:94
5540:F3 3F FF CF F3 3F FF CF F3 3F FF CF F3 3F FF CF:A4
5550:F3 F3 F3 F3 F3 F3 F3 F3 F3 F3 F3 F3 F3 F3 F3 F3:BE
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5570:FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF:45
5580:CF CF CF CF CF CF CF CF CF CF CF CF CF CF CF CF:3B
5590:3C FC C3 0F 3C FC C3 0F 3C FC C3 0F 3C FC C3 0F:FD
55A0:3C FC C3 0F 3C FC C3 0F 3C FC C3 0F 3C FC C3 0F:0D
55B0:3C FC C3 0F 3C FC C3 0F 3C FC C3 0F 3C FC C3 0F:1D
55C0:3C FC C3 0F 3C FC C3 0F 3C FC C3 0F 3C FC C3 0F:2D
55D0:3C 3C 3C 3C 3C 3C 3C 3C 3C 3C 3C 3C 3C 3C 3C 3C:26
55E0:FC FC FC FC FC FC FC FC FC FC FC FC FC FC FC FC:1C
55F0:C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3:45
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5610:00 00 04 0C 00 00 0C 0C 00 44 04 0C 00 CC 04 0C:EE
5620:00 CC 04 0C 44 CC 04 0C 44 CC 88 0C 44 CC 88 0C:2A
5630:00 CC 88 0C 00 44 88 0C 30 00 CC 04 30 20 44 04:C2
5640:30 30 00 04 30 30 20 04 30 30 30 00 30 30 30 20:D9
5650:0C 08 00 00 0C 0C 00 00 00 0C 08 88 00 00 0C 08 CC 00:EE
5660:0C 08 CC 00 0C 08 CC 88 0C 44 CC 88 0C 44 CC 88:AE
5670:0C 44 CC 00 0C 44 88 00 08 CC 00 30 08 88 10 30:B1
5680:08 00 30 00 08 10 30 30 00 30 30 30 10 30 30 30:0A
5690:30 30 30 20 30 30 30 00 30 30 20 04 30 30 00 04:66
56A0:30 20 44 04 30 00 CC 04 00 44 88 0C 00 CC 88 0C:FB
56B0:44 CC 88 0C 44 CC 88 0C 44 CC 04 0C 00 CC 04 0C:40
56C0:00 CC 04 0C 00 44 04 0C 00 00 0C 0C 00 00 04 0C:15
56D0:10 30 30 30 00 30 30 30 08 10 30 30 08 00 30 30:58
56E0:08 88 10 30 08 CC 00 30 0C 44 88 00 0C 44 CC 00:04
56F0:0C 44 CC 88 0C 44 CC 88 0C 08 CC 88 0C 08 CC 00:14
5700:0C 08 CC 00 0C 08 88 00 0C 0C 00 00 0C 08 00 00:F3
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5720:00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00:77
5730:00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00:87
5740:00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00:97

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5770:8C 0C 0C 48 8C 0C 0C 48 8C 0C 0C 48 8C 0C 0C 48:A5
5780:8C 0C 0C 48 8C 0C 0C 48 8C 0C 0C C0 C8 C0 C0 C0:6A
5790:03 03 03 16 03 FC FC BC 56 FC FC BC 56 FC FC BC:99
57A0:56 FC FC BC 56 FC FC BC 56 FC FC BC 56 FC FC BC:19
57B0:56 FC FC BC 56 FC FC BC 56 FC FC BC 56 FC FC BC:29
57C0:56 FC FC BC 56 FC FC BC 56 FC FC 3C 16 3C 3C 3C:12
57D0:33 33 33 27 33 CF CF 8F 67 CF CF 8F 67 CF CF 8F:2E
57E0:67 CF CF 8F 67 CF CF 8F 67 CF CF 8F 67 CF CF 8F:28
57F0:67 CF CF 8F 67 CF CF 8F 67 CF CF 8F 67 CF CF 8F:38
5800:67 CF CF 8F 67 CF CF 8F 67 CF CF 0F 27 0F 0F 0F:21
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5820:BF 3F 3F 7B BF 3F 3F 7B BF 3F 3F 7B BF 3F 3F 7B:89
5830:BF 3F 3F 7B BF 3F 3F 7B BF 3F 3F 7B BF 3F 3F 7B:99
5840:BF 3F 3F 7B BF 3F 3F 7B BF 3F 3F F3 FB F3 F3 F3:5E
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5860:56 EB 7E FE A0 20 02 AF 77 C5 AF 47 ED 42 C1 7C:75
5870:FE C0 30 03 21 FF FF 7E B7 20 03 3E A0 77 EB 2B:78
5880:73 23 72 23 0D 20 02 0E 03 10 D3 C9 EA C2 9A C4:31
5890:2D FE 04 CA 6E EE 1E C8 79 C4 A0 C6 E6 C8 FB C8:57
58A0:F5 DE ED FD 10 D2 A6 D8 EC CA 0A CF 12 C8 3C DB:9C
58B0:9E FD 77 DA BC F9 C1 F9 89 CD CE DE 28 D6 63 C4:3A
58C0:0D D5 5C E3 88 C8 1D FF F3 0E 00 FE 08 38 05 D6:E9
58D0:08 0C 18 F7 F5 C5 11 1D 59 01 0E F4 ED 49 01 C0:B8
58E0:F6 ED 49 0E 00 ED 49 04 3E 92 ED 79 C5 CB F1 06:67
58F0:F6 ED 49 06 F4 ED 78 12 0C 13 79 FE 4A 20 F0 C1:61
5900:3E 82 ED 79 05 ED 49 C1 21 1D 59 06 00 09 F1 47:94
5910:B7 3E 01 28 03 07 10 FD 47 7E A0 B7 C9 FF FF FF:0F
5920:FF FF FF FF FF FF FF 21 B0 BF 11 50 00 19 10 FD:E5

5930:3D CB 27 85 30 01 24 6F C9 1A 13 B7 C8 FE 2E 28:40
5940:0C FE 20 28 0C FE 41 30 0C D6 14 18 0A 3E 1B 18:F5
5950:06 3E 26 18 02 D6 40 D5 E5 21 F0 4F 47 11 10 00:73
5960:19 10 FD EB E1 E5 E5 01 02 00 EB ED B0 EB E1 01:42
5970:00 08 09 30 F1 E1 23 23 D1 18 BE C5 7E 23 46 23:3B
5980:E5 CD 27 59 D1 CD 39 59 EB C1 10 EF C9 C5 E5 4F:C7
5990:06 00 EB ED B0 EB E1 01 00 08 09 30 04 01 50 C0:94
59A0:09 C1 10 E9 C9 00 01 02 0B 17 0A 03 06 10 0F 18:D5
59B0:19 1A 09 12 13 0C 01 2E 20 43 20 55 20 42 20 55:76
59C0:20 4C 20 55 20 58 20 2E 20 00 0D 05 30 20 2E 2E:46
59D0:2E 2E 2E 2E 20 4A 4F 55 45 52 20 2E 00 0D 06 31:82
59E0:20 2E 2E 2E 2E 20 43 4C 41 56 49 45 52 20 2E 00:8F
59F0:0D 07 32 20 2E 2E 2E 20 4A 4F 59 53 54 49 43 4B:20
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5A30:0B 0E 2E 20 44 4F 4D 49 4E 49 51 55 45 20 4C 49:C4
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5A70:20 4E 45 57 53 20 2E 00 0B 16 2E 20 54 4C 43 20:7E
5A80:37 34 20 20 20 20 20 31 39 39 31 20 2E 00 2E 20:13
5A90:52 45 44 45 46 49 4E 49 54 49 4F 4E 20 20 44 45:CE
5AA0:53 20 20 54 4F 55 43 48 45 53 20 2E 00 48 41 55:3E
5AB0:54 20 2E 2E 2E 2E 2E 00 42 41 53 20 2E 2E 2E 2E:8F
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5AD0:4F 49 54 45 20 2E 2E 2E 00 54 49 52 45 20 2E 2E:B4
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5B40:00 43 20 55 20 42 20 55 20 4C 20 55 20 58 20 20:69
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5B90:20 20 20 20 20 20 20 30 36 30 30 30 30 00 43 20:74
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5C00:20 55 20 4C 20 55 20 58 20 20 20 20 20 20 20 20:89
5C10:20 20 20 30 32 30 30 30 30 00 AF CD 0E BC AF 21:26
5C20:A5 59 F5 46 23 E5 48 CD 32 BC E1 F1 3C FE 10 38:EF
5C30:F1 01 00 00 CD 38 BC 06 0A 21 B5 59 CD 7B 59 CD:21
5C40:C7 5C 06 F5 ED 78 1F 30 FB CD 58 58 3E 40 CD C8:F8
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5C60:58 28 2C 3E 20 CD C8 58 20 D8 3E 03 32 BD 5D 21:78
5C70:AB 5D 11 B2 5D 01 06 00 ED B0 CD 6C BB 3E 01 32:87
5C80:BC 5D 3E 03 32 BD 5D 3E 30 32 98 67 C3 D9 5D CD:47
5C90:6C BB 21 B5 59 06 01 CD 7B 59 11 E4 5A 06 05 C5:41
5CA0:D5 3E 06 CD 27 59 D1 CD 39 59 C1 04 04 78 FE 19:F0
5CB0:38 ED 06 F5 ED 78 1F 30 FB CD 58 58 3A AA 5D CD:54
5CC0:C8 58 20 EE C3 1A 5C 21 DD 59 06 02 CD 7B 59 3A:6A
5CD0:BE 5D 47 3E 0D CD 27 59 E5 01 30 20 7E A9 77 23:FE
5CE0:10 FA E1 01 00 08 09 30 EF C9 3E 07 32 BE 5D CD:80
5CF0:C7 5C 3E 48 32 A6 5D 3C 32 A7 5D 3C 32 A8 5D 3C:23
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5D20:39 59 06 07 21 A6 5D C5 E5 D5 3E 10 CD 27 59 D1:AE
5D30:CD 39 59 D5 22 A3 5D 3A A5 5D CD C8 58 28 1E 3A:E0
5D40:A5 5D 3C 32 A5 5D FE 50 38 ED AF 32 A5 5D 06 F5:CD
5D50:ED 78 1F 30 FB CD 58 58 CD 77 5D 18 DA 01 00 80:D4
5D60:0B 78 B1 20 FB 3A A5 5D D1 E1 77 23 C1 04 04 78:D8
5D70:FE 11 20 B3 C3 1A 5C 3A 98 5D 3C FE 06 38 02 3E:D6
5D80:01 32 98 5D 21 99 5D 47 5E 23 56 23 10 FA 2A A3:D2
5D90:5D 3E 02 06 08 C3 8D 59 01 12 45 22 45 32 45 22:13
5DA0:45 12 45 00 00 00 43 45 22 1B 2F 30 30 30 30 30:AE
5DB0:30 00 00 00 00 00 00 00 00 00 00 00 00 00 06 2E:7B
5DC0:20 4E 49 56 45 41 55 20 30 20 2E 00 2E 20 56 49:F4
5DD0:45 53 20 20 20 30 20 2E 00 01 00 80 0B 78 B1 20:B0
5DE0:FB 3A BD 5D C6 30 32 D5 5D 3A BC 5D C6 30 32 C8:B1
5DF0:5D 3E 0E 06 0D CD 27 59 11 BF 5D CD 39 59 3E 0E:6C
5E00:47 CD 27 59 11 CC 5D CD 39 59 06 F5 ED 78 1F 30:05
5E10:FB CD 58 58 3A AA 5D CD C8 58 20 EE C3 CF 61 21:BB
5E20:B2 5D 11 13 5C CD 29 60 B7 CA 1A 5C CD 6C BB 3E:49
5E30:01 32 A3 5F 21 1F C0 11 60 32 3E 0F 06 1E CD 8D:20
5E40:59 3E 0A 47 CD 27 59 11 41 60 CD 39 59 21 7B 5F:BA
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5E50:06 1E 3E 20 77 23 10 FC CD 03 BB 3E 0A 32 EE 5E:29
5E60:3E 10 32 EF 5E CD 6B 5E C3 F0 5E 21 7B 5F 06 22:E0
5E70:3E 20 77 23 10 FC 3E 01 32 A3 5F 3A EF 5E 47 3A:5F
5E80:EE 5E CD 27 59 11 7B 5F CD 39 59 CD 06 BB FE 0D:5A
5E90:C8 FE 20 28 22 FE 7F 28 3D FE 2E 28 1A FE 30 38:AF
5EA0:DA FE 3A 38 12 FE 41 38 D2 FE 5B 38 0A FE 61 38:E1
5EB0:CA FE 7B 30 C6 D6 20 F5 3A A3 5F FE 17 30 0F 4F:A9
5EC0:06 00 21 7A 5F 09 F1 77 21 A3 5F 34 18 AD F1 3E:C2
5ED0:07 CD 5A BB 18 A5 3A A3 5F FE 01 28 F2 3D 32 A3:F6
5EE0:5F 4F 3E 20 06 00 21 7A 5F 09 77 C3 7B 5E 00 00:C4
5EF0:11 93 5F 21 B2 5D 01 06 00 ED B0 21 7B 5F 11 FB:BB
5F00:5B 01 1E 00 ED B0 06 09 21 DC 5B C5 E5 01 18 00:74
5F10:09 EB 21 B2 5D CD 29 60 B7 28 23 E1 E5 D1 01 1F:8E
5F20:00 09 EB 01 1E 00 E5 ED B0 E1 E5 EB 21 7B 5F 01:B7
5F30:1E 00 ED B0 E1 01 1F 00 AF ED 42 C1 10 CD E1 C1:54
5F40:3E 01 06 12 CD 27 59 11 A4 5F CD 39 59 3E 42 CD:DD
5F50:C8 58 CA 8F 5C 3E 2F CD C8 58 20 F1 06 0C 21 1D:B8
5F60:60 11 00 50 CD 8C BC 3E 02 21 E4 5A 11 36 01 01:52
5F70:00 00 CD 98 BC CD 8F BC C3 8F 5C 00 00 00 00 00:66
5F80:00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00:DF
5F90:00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00:EF
5FA0:00 00 00 01 2E 20 41 54 54 45 4E 54 49 4F 4E 20:BB
5FB0:2E 20 53 41 55 56 45 47 41 52 44 45 20 44 45 53:9F
5FC0:20 48 49 2E 53 43 4F 52 45 53 20 2E 20 20 20 20:DA
5FD0:56 45 55 49 4C 4C 45 5A 20 49 4E 54 52 4F 44 55:5E
5FE0:49 52 45 20 4C 41 20 44 49 53 51 55 45 54 54 45:40
5FF0:20 20 20 20 20 20 20 43 55 42 55 4C 55 58 20 50:D3
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6030:B8 28 04 30 07 38 07 79 FE 06 38 EF AF C9 3E FF:4F
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6050:4D 20 53 2E 56 2E 50 2E 00 06 0C 21 00 C0 C5 E5:26
6060:06 14 C5 E5 11 E0 58 3E 04 06 10 CD 8D 59 E1 01:E4
6070:04 00 09 C1 10 EC E1 01 A0 00 09 C1 10 E0 C9 21:29
6080:00 C0 11 00 90 06 0A C5 E5 D5 06 14 C5 E5 D5 E5:26
6090:1A 21 10 52 11 40 00 47 19 10 FD EB E1 3E 04 06:CF
60A0:10 CD 8D 59 D1 E1 13 01 04 00 09 C1 10 DE E1 01:96
60B0:14 00 09 EB E1 01 A0 00 09 C1 10 CB C9 01 00 C8:BE
60C0:11 00 90 1A FE 14 28 08 FE 0A 30 05 FE 06 38 01:65
60D0:0C 13 10 EF 79 32 A9 61 C9 3A A7 61 3C FE 3A 30:1E
60E0:04 32 A7 61 C9 3E 30 32 A7 61 3A A6 61 3C FE 3A:44
60F0:28 04 32 A6 61 C9 3E 30 32 A6 61 21 A4 61 7E 3C:69
6100:FE 3A 30 02 77 C9 3E 30 77 2B 18 F2 0C 15 2E 20:7C
6110:43 20 55 20 42 20 55 20 4C 20 55 20 58 20 2E 00:E6
6120:01 16 53 43 4F 52 45 20 20 20 2E 20 20 30 30 30:0F
6130:30 30 30 20 20 20 54 49 4D 45 20 20 20 20 2E 20:96
6140:20 30 30 30 2E 30 30 00 01 17 48 49 53 43 4F 52:FA
6150:45 20 2E 20 20 30 30 30 30 30 30 20 20 20 56 49:04
6160:45 53 20 20 20 20 2E 20 20 20 20 20 20 30 30 00:90
6170:01 19 2E 20 50 52 45 53 53 45 5A 20 2E 20 45 53:73
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6190:55 49 43 49 44 45 52 20 2E 2E 00 30 30 30 2E 30:7B
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6210:00 ED B0 3E 01 32 AA 61 32 AB 61 32 C2 61 32 C3:A7
6220:61 AF 32 BC 61 32 C4 61 3E 42 CD C8 58 CA 4A 67:B9
6230:CD D9 60 3A AA 61 32 AC 61 3A AB 61 32 AD 61 3A:88
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6260:54 3A A8 5D CD C8 58 28 5B 3A A9 5D CD C8 58 28:A5
6270:62 3A AA 5D CD C8 58 28 69 C3 4B 64 3A C2 61 32:43
6280:AE 61 3A C3 61 32 AF 61 3A A6 5D CD C8 58 CA 38:A2
6290:63 3A AA 5D CD C8 58 CA 5C 63 3A A7 5D CD C8 58:80
62A0:CA 54 63 C3 4B 64 3A AB 61 FE 01 CA 4B 64 3D 32:70
62B0:AB 61 C3 4B 64 3A AB 61 FE 0A CA 4B 64 3C 32 AB:B3
62C0:61 C3 4B 64 3A AA 61 FE 01 CA 4B 64 3D 32 AA 61:1A
62D0:C3 4B 64 3A AA 61 FE 14 CA 4B 64 3C 32 AA 61 C3:E2
62E0:4B 64 3A CE 61 B7 C2 4B 64 26 90 3A AA 61 3D 6F:A5
62F0:3A AB 61 3D 28 07 47 11 14 00 19 10 FD 7E FE 06:17
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6360:C2 4B 64 3E 01 32 C4 61 32 CE 61 C3 4B 64 26 90:AB
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63C0:10 FD 3A BD 61 FE 01 28 0B FE 02 28 0F FE 03 28:B5
63D0:0E 2B 18 0F 11 14 00 AF ED 52 18 07 23 18 04 11:C1
63E0:14 00 19 7E FE 06 38 08 FE 0A 38 18 FE 14 28 14:14
63F0:3A BD 61 3C FE 05 30 05 32 BD 61 18 B1 3E 01 32:CE
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6410:03 28 2A 3A AA 61 3D 32 C2 61 3A AB 61 32 C3 61:7D
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6430:AB 61 3D 32 C3 61 3A AA 61 32 C2 61 C9 3A AB 61:70
6440:3C 32 C3 61 3A AA 61 32 C2 61 C9 3A C4 61 B7 28:18
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6480:EB 70 12 3A AA 61 3D 07 07 6F 26 C0 3A AB 61 3D:7A
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64B0:46 21 10 52 11 40 00 19 10 FD 22 B2 61 26 C0 3A:01
64C0:AC 61 3D 07 07 6F 3A AD 61 3D 28 07 47 11 A0 00:02
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64F0:90 3A AE 61 3D 6F 3A AF 61 3D 28 07 47 11 14 00:69
6500:19 10 FD 46 21 10 52 11 40 00 19 10 FD 22 BA 61:62
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6580:28 47 ED 5B BA 61 2A B8 61 3E 04 06 10 CD 8D 59:F0
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65C0:30 04 01 50 C0 09 C1 10 E5 06 F5 ED 78 1F 30 FB:D7
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6670:ED 52 CD 77 66 79 C9 7E B8 C0 0C C9 CD 3F 66 79:82
6680:B7 C8 19 E5 3A 2C 66 47 3A 2A 66 CD 2F 66 11 50:07

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66F0:67 C1 F1 CD 2F 66 11 50 52 3E 04 06 10 C3 8D 59:C9
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6710:21 02 67 47 23 10 FD 3A A2 61 D6 30 28 06 47 AF:4D
6720:C6 64 10 FC 4F 3A A3 61 D6 30 28 06 47 79 C6 0A:A4
6730:10 FC 4F 3A A4 61 D6 30 81 47 7E B8 38 0C 21 BC:07
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6750:CA CA 69 32 BD 5D CD B2 69 18 03 CD 97 69 CD 6C:F0
6760:BB C3 D9 5D 7E 3C FE 3A 30 03 77 18 06 3E 30 77:CD
6770:2B 18 F1 3A 98 67 47 3A B2 5D B8 C8 32 98 67 3A:FC
6780:BD 5D 3C 32 BD 5D C6 30 32 99 67 3E 25 06 17 CD:42
6790:27 59 11 99 67 C3 39 59 00 00 00 03 0A 46 45 4C:B4
67A0:49 43 49 54 41 54 49 4F 4E 53 20 2E 20 20 56 4F:B5
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67E0:20 54 20 49 4C 20 44 55 00 03 0E 20 20 20 20 20:DE
67F0:20 20 20 20 20 20 50 52 4F 43 48 41 49 4E 20:8E
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6810:03 0A 20 56 4F 55 53 20 4E 20 45 54 45 53 20 50:07
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6830:4F 55 44 52 45 20 00 03 0C 43 45 20 43 55 42 55:B0
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6850:55 53 20 59 20 50 52 45 44 4E 52 45 5A 00 03 0E:40
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68D0:54 45 00 03 0E 4D 41 49 53 20 51 55 20 45 4E 20:FE
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68F0:45 53 4F 52 4D 41 49 53 20 00 03 10 20 20 44 45:DC
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6920:00 03 0A 44 45 53 4F 4C 41 49 53 20 4D 41 49 53:D7
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6940:20 50 41 52 56 45 4E 55 00 03 0C 41 20 52 45 53:AD
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6970:03 0E 20 20 20 20 20 20 20 20 46 41 55 54 20:19
6980:50 45 52 53 45 56 45 52 45 52 20 2E 20 2E 20 2E:FF
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69A0:F5 ED 78 1F 30 FB CD 58 58 3A AA 5D CD C8 58 C8:3C
69B0:18 ED 21 10 68 06 03 CD 7B 59 18 E3 21 85 68 06:6A
69C0:04 CD 7B 59 CD 9F 69 C3 1F 5E 21 21 69 06 03 18:83
69D0:F0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00:2B

## LISTING 3

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7080:07 08 09 00 00 0C 0C 00 00 08 07 08 09 00 00 0C:F3
7090:0C 00 00 08 00 00 07 00 00 00 0C 0C 00 00 09 00 00:D9
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7180:0A 00 08 00 00 00 00 00 00 00 00 00 00 00 00:14
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73F0:0B 0B 13 00 00 00 00 00 00 12 0B 0B 0B 01 06 00:69
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7560:00 09 06 14 07 08 09 00 00 06 07 08 09 07 06 00:F8
7570:00 17 18 00 00 07 08 09 14 06 07 00 00 00 00 00:45

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5B14:20 20 20 20 20 20 20 31 30 30 30 30 30 00 43 20:C9
5B24:55 20 42 20 55 20 4C 20 55 20 58 20 20 20 20:B4
5B34:20 20 20 20 20 20 20 39 30 30 30 30 00 43 20 55:1A
5B44:20 42 20 55 20 4C 20 55 20 58 20 20 20 20 20:AE
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5BC4:20 4C 20 55 20 58 20 20 20 20 20 20 20 20 20:AF
5BD4:20 20 34 30 30 30 30 00 43 20 55 20 42 20 55 20:5D
5BE4:4C 20 55 20 58 20 20 20 20 20 20 20 20 20 20:36
5BF4:30 33 30 30 30 30 00 43 20 55 20 42 20 55 20 4C:4A
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## LISTING 4

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75C0:0B 0B 0B 0B 0B 0B 0B 0B 0B 0B 0A 06 08 07:53
75D0:09 07 06 17 07 17 16 09 06 08 14 08 06 16 09 0A:CB
75E0:0A 07 18 06 08 14 09 14 08 15 18 14 07 06 09 07:0C
75F0:14 08 14 0A 0A 09 14 08 09 06 14 06 09 16 17 08:5C
7600:06 09 06 08 07 06 07 0A 0A 06 07 09 07 14 07 08:38
7610:14 18 15 09 07 08 16 15 14 09 08 0A 0A 08 09 14:60
7620:06 09 06 14 09 17 16 14 06 14 08 09 06 14 07 0A:39
7630:0A 09 14 09 08 07 09 06 07 15 18 09 08 07 06 14:D2
7640:08 09 14 0A 0A 17 06 07 18 14 08 14 06 18 17 07:A9
7650:14 15 09 06 14 07 06 0A 0A 07 09 08 14 06 07 09:F8
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7770:0E 09 07 06 09 08 07 06 09 08 09 08 06 07 09 08:12
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