

```
0000: 54 68 65 20 62 69 6E 61 72 79 20 6B 61 72 75 74 The bina ry karut
0010: 61 20 69 73 20 61 20 63 6F 6D 70 65 74 69 74 69 a is a competiti
0020: 6F 6E 74 74 6F 20 62 72 69 6E 67 20 75 70 20 63 on to bring up c
0030: 6F 6D 70 72 65 68 65 6E 73 69 6F 6E 20 6F 66 20 omprehen sion of
0040: 74 68 65 20 62 69 6E 61 72 79 20 66 69 6C 65 2E the bina ry file.
0050: 0A 54 68 65 20 77 61 79 20 69 73 20 73 69 6D 70 .The way is simp
0060: 6C 65 20 61 6E 64 20 65 61 73 79 2E 0A 50 75 74 le and eas y.Put
0070: 20 74 68 65 20 63 61 72 64 73 20 74 68 61 74 20 the car ds that
0080: 74 68 65 20 68 69 6E 64 20 6F 66 20 74 68 65 20 the kind of the
0090: 66 6C 65 20 20 77 61 73 20 77 72 69 74 74 65 6E file was writte
00A0: 20 6F 6E 20 74 68 65 20 64 65 73 68 2E 0A 50 72 on the desk. Pr
00B0: 6F 6A 65 63 74 20 74 68 65 20 64 75 6D 70 20 6F oject the dump o
00C0: 66 20 74 68 65 20 66 69 65 20 66 69 6E 20 61 20 f the fi le in a
00D0: 70 72 6F 6A 65 63 74 6F 72 2E 0A 54 61 68 65 20 projecto r..Take
00E0: 74 68 65 20 63 61 72 64 72 65 73 70 the card corresp
00F0: 6F 6E 64 69 6E 67 20 74 6F 20 74 68 65 20 64 75 onding t o the du
0100: 6D 70 2E 0A
0110:
0120:
0130:
0140:
0150:
0160:
0170:
0180:
0190:
01A0:
01B0:
01C0:
01D0:
01E0:
01F0:
```



```
0000: 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F .....
0010: 10 11 12 13 14 15 16 17 18 19 1A 1B 1C 1D 1E 1F .....
0020: 20 21 22 23 24 25 26 27 28 29 2A 2B 2C 2D 2E 2F .....
0030: 30 31 32 33 34 35 36 37 38 39 3A 3B 3C 3D 3E 3F .....
0040: 40 41 42 43 44 45 46 47 48 49 4A 4B 4C 4D 4E 4F .....
0050: 50 51 52 53 54 55 56 57 58 59 5A 5B 5C 5D 5E 5F .....
0060: 60 61 62 63 64 65 66 67 68 69 6A 6B 6C 6D 6E 6F .....
0070: 70 71 72 73 74 75 76 77 78 79 7A 7B 7C 7D 7E 7F .....
0080: 80 81 82 83 84 85 86 87 88 89 8A 8B 8C 8D 8E 8F .....
0090: 90 91 92 93 94 95 96 97 98 99 9A 9B 9C 9D 9E 9F .....
00A0: A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 AA AB AC AD AE AF .....
00B0: B0 B1 B2 B3 B4 B5 B6 B7 B8 B9 BA BB BC BD BE BF .....
00C0: C0 C1 C2 C3 C4 C5 C6 C7 C8 C9 CA CB CC CD CE CF .....
00D0: D0 D1 D2 D3 D4 D5 D6 D7 D8 D9 DA DB DC DD DE DF .....
00E0: E0 E1 E2 E3 E4 E5 E6 E7 E8 E9 EA EB EC ED EE EF .....
00F0: F0 F1 F2 F3 F4 F5 F6 F7 F8 F9 FA FB FC FD FE FF .....
```

←ビットマップ画像

↑バイナリダンブ

↑対応する文字

■ バイナリかるたの遊びかた

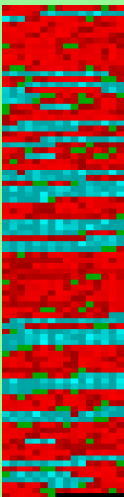
- 「JPEG」「ZIP」「ペイント画像」のような札を机に並べます
- それらのファイルの中身(バイナリダンブ)をプロジェクトで投影します
- スパーン!!と札を取りまよう

■ まずはビットマップ画像を見てみよう!

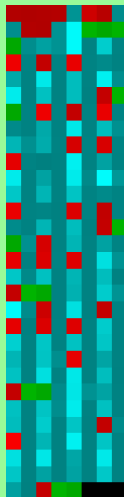
- ファイルの中身の全体を画像化したもので、ファイルごとに特徴があります
- 英数字や記号の部分は赤、改行は緑、漢字は水色に見えます
- 圧縮されているデータは、ノイズっぽくなります(いろんな色が乱雑に出ます)
- 様々な種類のデータがあると、地層のようになります

■ 対応する文字の部分を見てみよう!

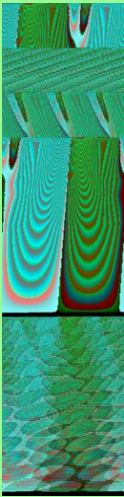
- 読める文字列が入っているかもしれない



```
0000: 3C 68 74 6D 6C 3E 0A 3C 68 65 61 64 3E 0A 3C 74 <html>.< head>.<t
0010: 69 74 6C 65 3E A5 D0 A5 A4 A5 CA A5 EA A4 AB A4 itle>.<
0020: E8 A4 BF 3C 2F 74 69 74 6C 65 3E 0A 3C 6D 65 74 </tit le>.<met
0030: 61 20 68 74 74 70 2D 65 71 75 69 76 3D 22 43 6F a http-e quiv="Co
0040: 6E 74 65 6E 74 2D 65 78 74 2F 68 74 6D 6C 3B 20 ntent-Ty pe cont
0050: 65 6E 74 3D 22 74 65 78 74 2F 68 74 6D 6C 3B 20 ent="tex t/html;
0060: 63 68 61 72 73 65 74 4D 45 55 43 2D 4A 50 22 3E charset= EUC-JP">
0070: 0A 3C 2F 68 65 61 64 3E 0A 0A 3C 6D 6F 64 79 20 </head>..<body
0080: 62 67 63 6F 6C 6F 72 3D 67 72 65 65 6E 20 74 65 bgcolor= green te
0090: 78 74 3D 77 68 69 74 65 20 6C 69 6E 68 3D 79 65 xt=white link=ye
00A0: 6C 6C 6F 77 20 76 6C 69 6E 68 3D 62 6C 61 63 6B llow vli nk=black
00B0: 3E 0A 0A 3C 63 65 6E 74 65 72 3E 0A 3C 68 31 3E >..<cent er>.<h1>
00C0: A5 D0 A5 A4 A5 CA A5 EA A4 AB A4 EB A4 BF 3C 2F </>..</h1>
00D0: 68 31 3E 0A 3C 2F 63 6E 6E 74 65 72 3E 0A 3C 2F hi>.</ce nter>.<
00E0: 70 3E 0A 5E CF A5 C3 A5 E5 E5 A5 BF A5 B0 A4 p>..#bink aruta..
00F0: CF A1 D6 23 62 69 6E 68 61 72 75 74 61 A1 D7 A4 <..<p>.<h2>
0100: C7 A4 B9 A1 A5 0A 0A 3C 70 3E 0A 3C 68 32 3E 0A <..<h 2>.<ul>
0110: CC 8C A1 0A 3C 2F 68 32 3E 0A 0A 3C 3C 75 6C 3E <..<li>..< a href="
0120: 0A 3C 6C 69 3E 6C 69 3E 3C D7 0A 20 20 3C 75 6D 3E <..<li>< a href="
0130: 0A 20 20 3C 6C 69 3E 3C D7 0A 20 20 3C 75 6D 3E <..<li>< a href="
0140: 23 77 68 61 74 69 73 62 69 6E 68 61 72 75 74 61 #whatisb inkaruta
0150: 22 3E A5 D0 A5 A4 A5 CA A5 EA A4 AB A4 EB A4 BF >..</a>..
0160: A4 C8 A4 CF B2 BF A4 AB A1 A9 3C 2F 61 3E 0A 20 <..<li><a href="#r
0170: 20 3C 6C 69 3E 3C 61 20 68 72 65 66 3D 22 23 72 <..<ul>
0180: 75 6C 65 22 3E A4 C9 A4 CA A4 EB A4 A6 A4 CA B6 ule">..</a>..</
0190: A5 B5 BB A4 AB A1 A9 3C 2F 61 3E 0A 20 20 3C 2F <..<p>..</
01A0: 75 6C 3E 0A 3C 2F 75 6C 3E 0A 0A 3C 70 3E 0A 3C <..<p>..</
01B0: 68 32 6C 3E 83 B5 CD D7 3C 2F 68 32 3E 0A 0A 3C 70 h2>..</h2>..<p
01C0: 3E 0A 3C 61 20 D6 61 6D 65 3D 22 77 68 61 74 69 >..<a nam e="what
01D0: 73 62 69 6E 68 61 72 75 74 61 22 3E 3C 68 33 3E sbinkaru ta"><h3>
01E0: A2 A3 20 A5 D0 A5 A4 A5 CA A5 EA A4 AB A4 EB A4 <..</h3>
01F0: BF A4 C8 A4 CF B2 BF A4 AB A1 A9 3C 2F 68 33 3E .....
```



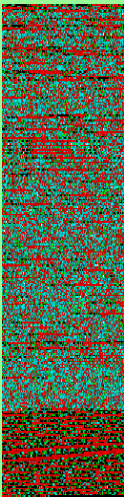
```
0000: 32 30 32 34 94 4E 38 8C 8E 33 31 93 FA 0D 0A 0D 2024.N8. .31....
0010: 0A 8D A1 93 FA 82 CD 83 6F 83 43 83 69 83 8A 82 ..... o.C.i.....
0020: A9 82 E9 82 BD 82 F0 8D C2 82 C1 82 BD 81 44 0D ..... D.....
0030: 0A 63 6F 83 43 83 69 83 8A 82 A9 82 E9 82 BD 0D ..... o.C.i.....
0040: 8D A0 83 56 83 58 83 65 82 8D 82 F0 82 A2 82 ..... V.X.e.....
0050: EB 82 A2 82 EB 89 F0 97 C7 82 B5 82 C4 83 8A 83 ..... V.A.....
0060: 6A 83 85 81 58 83 41 83 88 82 B5 82 BD 81 44 0D ..... f.....
0070: 0A 00 56 82 B5 82 A2 83 66 81 58 83 5E 82 E0 92 ..... f.....
0080: C7 89 C1 82 B5 82 BD 81 44 0A 82 81 82 CC 83 ..... f.....
0090: FA 88 4C 82 E0 81 43 66 81 58 83 5E 82 CC 92 ..... L.L.C.f.....
00A0: D0 C2 C6 82 C2 82 C6 82 B5 82 C4 8E 67 82 A2 82 ..... g.....
00B0: C2 82 E0 82 E8 82 BE 81 44 0A 8A 66 92 A3 82 ..... D.....
00C0: C1 82 C4 8D EC 82 C1 82 BD 82 CC C2 C5 81 43 8A ..... C.....
00D0: 79 82 B5 82 F1 82 C5 82 E0 82 E7 82 C6 82 E9 82 ..... y.....
00E0: C6 82 A2 82 A2 82 C8 82 A0 81 44 0D 0A ..... D.....
00F0:
0100:
0110:
0120:
0130:
0140:
0150:
0160:
0170:
0180:
0190:
01A0:
01B0:
01C0:
01D0:
01E0:
01F0:
```



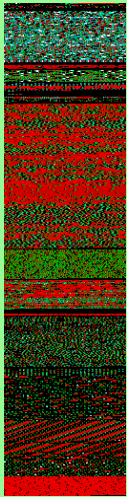
```
0000: 52 49 46 46 10 67 07 00 57 41 56 45 66 6D 74 20 RIFF.g... WAVEfmt
0010: 10 00 00 00 01 00 01 00 44 AC 00 00 88 58 01 00 ..... D...X...
0020: 02 00 10 00 64 61 74 61 EC 66 07 00 00 00 00 00 ..... data f...
0030: 0F 03 DB 07 0E 0E F9 14 26 1C 8A 22 F2 26 46 29 ..... &...&f
0040: 5A 2A D6 2A F2 2A B8 2A C3 2A 8F 29 82 28 A9 27 Z*.*.*.(.
0050: 42 26 FF 24 92 23 25 22 97 20 D1 1E 41 1D 9D 10 B&$.$.#%".A...
0060: F5 19 45 18 9C 16 F9 14 5E 13 C0 11 47 10 C8 0E ..E...G...
0070: 81 0D 08 F7 0A 21 09 0F 09 4D 08 D0 07 72 07 ..... M...f...
0080: 50 07 2A 07 4C 07 21 07 80 07 60 07 92 07 54 07 P.*.L.L...T...
0090: 49 07 D6 06 F1 06 70 06 5F 06 31 06 28 06 07 06 I...p...l.+...
00A0: 27 06 14 06 08 06 D6 05 94 05 1E 05 86 04 DA 03 ..... J...
00B0: CD 02 F6 01 A7 0A BA FF 82 FE A8 FD C0 FC 9C FB ..... b...
00C0: 70 FA FE F9 EC F8 D0 F8 FB F7 62 F8 C0 F7 D2 F8 p...b...
00D0: 83 F8 70 FA 49 FA D7 06 8F 00 03 04 s.p.I.L.r...S...
00E0: 73 03 1E 07 B8 04 78 08 85 04 78 08 1B 03 C3 07 ..... l...l...S...
00F0: E9 00 A1 06 46 FE 12 05 3C F8 B8 03 64 F8 53 02 ..... F...<...d.S...
0100: E9 05 07 01 D6 F3 DE FF 95 F2 F9 FE 19 F2 5D FE ..... F...J...
0110: 50 F2 F2 FD E7 F2 4D FD E7 FE AA F4 2F F3 42 F2 P...M...L...B...
0120: C3 F4 84 FA 53 F5 7D F9 E7 F5 BE F8 6E 6C 2C F8 ..... S...L...
0130: B1 F6 96 F7 5E F6 7F F6 0D EA 23 E9 98 E7 EF E5 ..... q...#...g...
0140: C9 F0 F1 EF E7 ED 5F EC D0 EA 23 E9 98 E7 EF E5 ..... q...#...g...
0150: 58 E4 C8 E2 39 E1 B9 DF F6 DD AA DC 9A DB 67 DA X...9...g...
0160: 5F D9 73 D8 B4 D7 1D D7 B7 D6 88 D6 9D 64 D6 ..... s...
0170: 9A D7 9A D8 F9 D9 C2 D8 FE DD 21 E1 84 E4 5E E8 ..... l...J...
0180: A2 EC 48 F1 28 F6 36 F8 83 00 16 06 E8 08 5D 12 ..... H.(.6...
0190: 72 19 BA 20 58 26 CA 28 07 29 A3 28 EA 27 1B 27 ..... X&(.)(.)(.
01A0: 21 26 FE 24 CF 23 76 22 0F 21 A1 1F 11 1E 8C 1C !&.$.#v".!...
01B0: E0 1A 34 19 AA 17 07 16 6F 14 DC FF 10 C9 0F ..... o...
01C0: 48 0E 08 0D D1 08 C8 0A B7 09 FD 08 46 08 CA 07 H...<...f...
01D0: 71 07 45 07 24 07 3F 07 23 07 53 07 60 07 3D 07 q.E.$.?..#.$..#...
01E0: 54 07 18 07 01 07 99 06 50 06 3F 06 57 06 F7 05 ..... ?..W...
01F0: 38 06 E0 05 24 06 B2 05 DA 05 3F 05 20 05 F9 03 8...$...?..
```



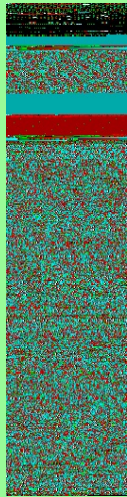
```
0000: 42 4D 8A 00 01 00 00 00 00 00 8A 00 00 00 7C 00 BM.....|.
0010: 00 00 80 00 00 00 80 00 00 00 01 00 20 00 03 00 .....
0020: 00 00 00 00 01 00 12 0B 00 00 12 0B 00 00 00 00 .....
0030: 00 00 00 00 00 00 00 00 FF 00 00 FF 00 00 FF 00 .....
0040: 00 00 00 00 00 FF 01 00 00 00 00 00 00 00 00 00 .....
0050: 00 00 54 88 1E FC 00 00 00 00 00 00 00 69 66 ..... f...T...if
0060: 66 FC 00 00 00 00 00 00 00 00 C4 F5 28 FF 00 00 f.....(.....
0070: 00 00 00 00 00 00 00 00 00 00 04 00 00 00 00 ..... f...?.....
0080: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ..... E.....
0090: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0100: Skipped same lines ...
0110: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0120: 00 FF 00 00 00 FF 00 00 00 FF 00 00 00 FF 00 00 .....
0130: 00 FF 00 00 00 FF 00 00 00 FF 00 00 00 FF 00 00 .....
0140: Skipped same lines ...
0150: 00 FF 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0160: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0170: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0180: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0190: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0200: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0210: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0220: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0230: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0240: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0250: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0260: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0270: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0280: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0290: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0300: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0310: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0320: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0330: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0340: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0350: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0360: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0370: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0380: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0390: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0400: Skipped same lines ...
0410: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0420: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0430: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0440: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0450: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0460: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0470: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0480: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0490: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0500: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0510: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0520: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0530: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0540: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0550: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0560: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0570: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0580: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0590: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0600: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0610: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0620: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0630: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0640: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0650: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0660: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0670: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0680: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0690: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0700: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0710: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0720: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0730: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0740: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0750: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0760: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0770: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0780: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0790: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
```



```
0000: 50 48 03 04 0A 00 00 00 00 00 00 AE A1 1A 43 00 00 PK.....C...
0010: 00 00 00 00 00 00 00 00 00 00 00 00 00 63 72 ..... cr
0020: 6F 73 73 2F 55 54 99 03 57 38 1B 52 54 AF 67 ..... oss/UT...WB.RT.g
0030: 52 75 78 0F 00 01 04 E9 03 00 00 04 E9 03 00 00 Rux.....
0040: 50 48 03 04 0A 00 00 00 00 00 00 CB A4 1A 43 00 00 PK.....C...
0050: 00 00 00 00 00 00 00 00 00 00 00 00 00 63 72 ..... cr
0060: 6F 73 73 2F 62 75 69 6C 64 2F 55 54 09 00 03 2E ..... oss/build/UT...
0070: 3E 1B 52 54 AF 67 52 75 78 0B 00 01 04 E9 03 00 00 >..RT.gRux
0080: 00 04 E9 03 00 00 50 48 63 04 0A 00 00 00 00 00 ..... C...PK
0090: CB A4 1A 43 00 00 00 00 00 00 00 00 00 00 00 ..... C...X
00A0: 15 00 1C 00 63 72 6F 73 73 2F 62 75 69 6C 64 2F ..... cross/buidl/
00B0: 62 69 6E 75 74 69 6C 73 2F 55 54 99 03 02 3E ..... binutils/UT...>
00C0: 1B 52 54 AF 67 52 75 78 0B 00 01 04 E9 03 00 00 ..... RT.gRux
00D0: 04 E9 03 00 00 50 48 03 04 1A 00 00 00 00 00 00 ..... PK...
00E0: A4 1A 43 C5 0C 89 F1 4A 00 00 00 5A 00 00 00 1F ..... C...J...Z...
00F0: 00 1C 00 63 72 6F 73 73 2F 
```



```
0000: 4D 5A 90 00 03 00 00 00 04 00 00 00 FF FF 00 00 MZ.....
0010: B8 00 00 00 00 00 00 00 40 00 00 00 00 00 00 00 @.....
0020: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0030: 00 00 00 00 00 00 00 00 00 00 00 00 80 00 00 00 .....
0040: 0E 1F BA 0E 00 B4 09 CD 21 B8 01 4C CD 21 54 68 ..... !.L!Th
0050: 69 73 20 70 72 6F 67 72 61 6D 20 63 61 6E 6E 6F is progr am canno
0060: 74 20 62 65 20 72 75 6E 20 69 6E 20 44 4F 53 20 t be run in DOS
0070: 6D 6F 64 65 2E 0D 0D 0A 24 00 00 00 00 00 00 00 mode... $.
0080: 50 45 00 00 4C 01 11 00 73 6A D0 66 00 20 01 00 PE..L. sj. f. .
0090: 4D 04 00 00 E0 00 05 01 08 01 02 28 00 28 00 00 M..... (.
00A0: 00 44 00 00 00 02 00 00 70 15 00 00 00 10 00 00 .D..... p.
00B0: 00 40 00 00 00 00 40 00 00 10 00 00 00 02 00 00 .@.....@.
00C0: 04 00 00 00 01 00 00 00 04 00 00 00 00 00 00 00 .....
00D0: 00 E0 01 00 00 06 00 00 8B EA 01 00 03 00 40 01 .....@.
00E0: 00 00 20 00 00 10 00 00 00 00 10 00 00 10 00 00 .....
00F0: 00 00 00 00 10 00 00 00 00 00 00 00 00 00 00 00 .....
0100: 00 80 00 00 48 05 00 00 00 00 00 00 00 00 00 00 .....H.
0110: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0120: 00 B0 00 00 98 01 00 00 00 00 00 00 00 00 00 00 .....
0130: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0140: 04 A0 00 00 18 00 00 00 00 00 00 00 00 00 00 00 .....
0150: 00 00 00 00 00 00 00 00 18 81 00 00 C8 00 00 00 .....
0160: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0170: 00 00 00 00 00 00 00 00 2E 74 65 78 74 00 00 00 .....text...
0180: C4 27 00 00 00 10 00 00 00 28 00 00 00 06 00 00 ..... (.
0190: 00 00 00 00 00 00 00 00 00 00 00 00 60 00 00 60 .....
01A0: 2E 64 61 74 61 00 00 00 10 00 00 00 00 40 00 00 .data.....@..
01B0: 00 02 00 00 00 2E 00 00 00 00 00 00 00 00 00 00 .....
01C0: 00 00 00 00 40 00 00 C0 2E 72 64 61 74 61 00 00 .....@.....rdata..
01D0: C0 02 00 00 00 50 00 00 00 04 00 00 00 30 00 00 .....P.....0..
01E0: 00 00 00 00 00 00 00 00 00 00 00 00 40 00 00 40 .....@..@
01F0: 2F 34 00 00 00 00 00 00 B8 08 00 00 00 60 00 00 /4.....
```



```
0000: FF D8 FF E1 33 FE 45 78 69 66 00 00 49 49 2A 00 ....3.Ex if..II*.
0010: 08 00 00 00 0A 00 0E 01 02 00 20 00 00 00 86 00 .....
0020: 00 00 0F 01 02 00 06 00 00 00 A6 00 00 00 10 01 .....
0030: 02 00 19 00 00 00 AC 00 00 00 12 01 03 00 01 00 .....
0040: 00 00 01 00 00 00 1A 01 05 00 01 00 00 00 CC 00 .....
0050: 00 00 1B 01 05 00 01 00 00 00 D4 00 00 00 28 01 ..... (.
0060: 03 00 01 00 00 00 02 00 00 00 32 01 02 00 14 00 .....2....
0070: 00 00 DC 00 00 00 13 02 03 00 01 00 00 00 02 00 .....
0080: 00 00 69 87 04 00 01 00 00 00 F0 00 00 00 00 0F .....
0090: 00 00 20 20 20 20 20 20 20 20 20 20 20 20 20 20 ..
00A0: 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 ..
00B0: 20 00 43 61 6E 6F 6E 00 43 61 6E 6F 6E 20 50 6F ..Canon. Canon Po
00C0: 77 65 72 53 68 6F 74 20 53 58 31 33 30 20 49 53 werShot SX130 IS
00D0: 00 FF FF FF FF FF FF FF B4 00 00 00 01 00 00 00 .....
00E0: B4 00 00 00 01 00 00 00 32 30 31 33 3A 31 30 3A .....
00F0: 32 30 20 31 35 3A 32 30 3A 33 30 00 21 00 9A 82 20 15:20 :30.!...
0100: 05 00 01 00 00 00 82 02 00 00 9D 82 05 00 01 00 .....
0110: 00 00 8A 02 00 00 27 88 03 00 01 00 00 00 C8 00 .....
0120: 00 00 30 88 03 00 01 00 00 00 04 00 00 00 00 90 .....0....
0130: 07 00 04 00 00 00 30 32 33 30 03 90 02 00 14 00 .....02 30....
0140: 00 00 92 02 00 00 04 90 02 00 14 00 00 00 A6 02 .....
0150: 00 00 01 91 07 00 04 00 00 00 01 02 03 00 02 91 .....
0160: 05 00 01 00 00 00 BA 02 00 00 01 92 0A 00 01 00 .....
0170: 00 00 C2 02 00 00 02 92 05 00 01 00 00 00 CA 02 .....
0180: 00 00 04 92 0A 00 01 00 00 00 D2 02 00 00 05 92 .....
0190: 05 00 01 00 00 00 DA 02 00 00 07 92 03 00 01 00 .....
01A0: 00 00 05 00 00 00 09 92 03 00 01 00 00 00 10 00 .....
01B0: 00 00 0A 92 05 00 01 00 00 00 E2 02 00 00 7C 92 .....|.
01C0: 07 00 C0 0A 00 00 EA 02 00 00 86 92 07 00 08 01 .....
01D0: 00 00 AA 0D 00 00 00 A0 07 00 04 00 00 00 30 31 .....01
01E0: 30 30 01 A0 03 00 01 00 00 00 01 00 00 00 02 A0 00.....
01F0: 03 00 01 00 00 00 80 02 00 00 03 A0 03 00 01 00 .....
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