Matryoshka doll

```
-[~/.../picoctf/matroyska/_dolls.jpg.extracted/base_images]
DECIMAL
                          HEXADECIMAL
                                                         DESCRIPTION
                                                         PNG image, 526 x 1106, 8-bit/color RGBA, non-interlaced
TIFF image data, big-endian, offset of first image directory: 8
Zip archive data, at least v2.0 to extract, compressed size: 196043, uncompressed size: 201445, name: base_images/3_c.jpg
End of Zip archive, footer length: 22
End of Zip archive, footer length: 22
3226
187707
                           0×C9A
0×2DD3B
383805
383916
                           0×5DB3D
(kali© kali)-[~/_/picoctf/matroyska/_dolls.jpg.extracted/base_images]
$ binwalk -e 2_c.jpg
DECIMAL
                         HEXADECIMAL
                                                        DESCRIPTION
                                                         PNG image, 526 x 1106, 8-bit/color RGBA, non-interlaced
TIFF image data, big-endian, offset of first image directory: 8
Zip archive data, at least v2.0 to extract, compressed size: 196043, uncompressed size: 201445, name: base_images/3_c.jpg
End of Zip archive, footer length: 22
End of Zip archive, footer length: 22
3226
187707
383805
                           0×2DD3B
```

We can scan for embedded files with the binwalk command.

If there are embedded files, they can be extracted with binwalk -e.

At the fifth level in, there was a flag.txt file.

This could also be done in one command, using the binwalk -M -e flags.

-M specifies binwalk to be recursive, so it would go all the way to the lowest level automatically.