

# F5隐写

原创

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F5隐写工具: <https://github.com/matthewgao/F5-steganography>

```
$java Extract F5.jpg
```

```
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
```

```
Huffman decoding starts
```

```
Permutation starts
```

```
309504 indices shuffled
```

```
Extraction starts
```

```
Length of embedded file: 190 bytes
```

```
(1, 31, 5) code used
```

```
$binwalk output.txt
```

```
DECIMAL      HEXADECIMAL  DESCRIPTION
```

```
0            0x0          Zip archive data, at least v2.0 to extract, compressed size: 40, uncompressed size: 38, name: flag.txt
```

```
168         0xA8        End of Zip archive, footer length: 22
```

```
$binwalk -e output.txt
```

```
DECIMAL      HEXADECIMAL  DESCRIPTION
```

```
0            0x0          Zip archive data, at least v2.0 to extract, compressed size: 40, uncompressed size: 38, name: flag.txt
```

```
168         0xA8        End of Zip archive, footer length: 22
```

```
$cat _output.txt.extracted/flag.txt
```

```
flag{96efd0a2037d06f34199e921079778ee}
```