

Tests

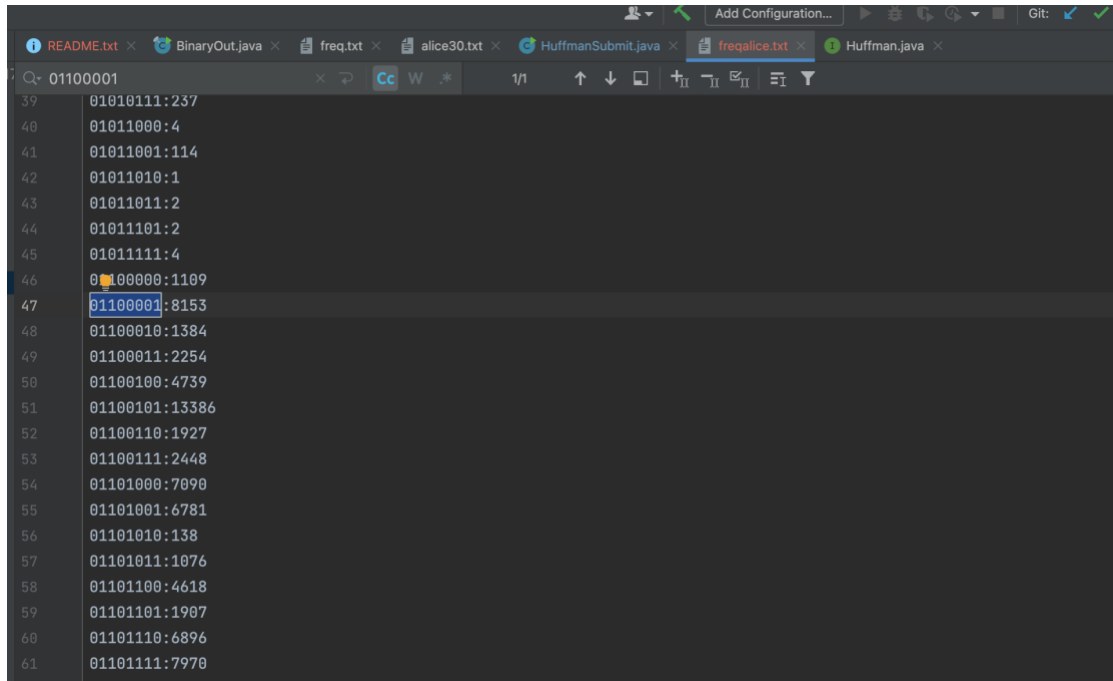
(1) Test using the ur.jpg

ur.jpg and ur_dec.jpg

we see that we get the same image after decoding the Huffman encoded code.

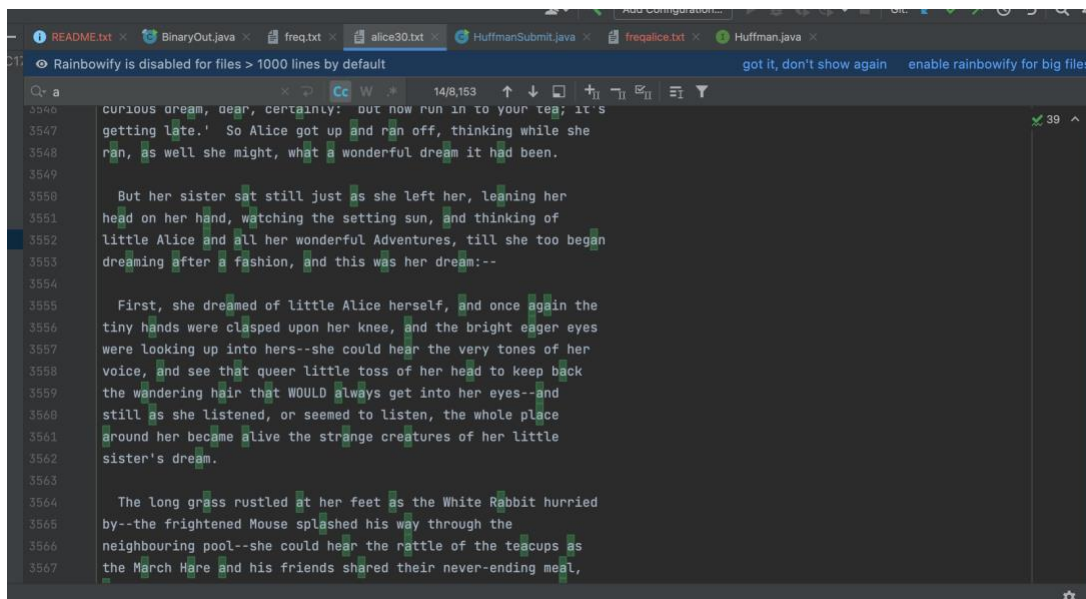
(2) Test using the alice.txt file

Checked for the letter a (whose binary representation is 01100001). It occurs 8153 times.



```
01100001
39 01010111:237
40 01011000:4
41 01011001:114
42 01011010:1
43 01011011:2
44 01011101:2
45 01011111:4
46 01000000:1109
47 01100001:8153
48 01100010:1384
49 01100011:2254
50 01100100:4739
51 01100101:13386
52 01100110:1927
53 01100111:2448
54 01101000:7090
55 01101001:6781
56 01101010:138
57 01101011:1076
58 01101100:4618
59 01101101:1907
60 01101110:6896
61 01101111:7970
```

This is what we see when use the built in character counter in IntelliJ IDEA. Attached is the screenshot:



```
curious dream, dear, certainly: but now run in to your tea; it's
getting late.' So Alice got up and ran off, thinking while she
ran, as well she might, what a wonderful dream it had been.

But her sister sat still just as she left her, leaning her
head on her hand, watching the setting sun, and thinking of
little Alice and all her wonderful Adventures, till she too began
dreaming after a fashion, and this was her dream:--

First, she dreamed of little Alice herself, and once again the
tiny hands were clasped upon her knee, and the bright eager eyes
were looking up into hers--she could hear the very tones of her
voice, and see that queen little toss of her head to keep back
the wandering hair that WOULD always get into her eyes--and
still as she listened, or seemed to listen, the whole place
around her became alive the strange creatures of her little
sister's dream.

The long grass rustled at her feet as the White Rabbit hurried
by--the frightened Mouse splashed his way through the
neighbouring pool--she could hear the rattle of the teacups as
the March Hare and his friends shared their never-ending meal,
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