

Wordcount screenshot

The screenshot shows the Eclipse IDE interface. The 'Console' view is active, displaying the output of a Java application. The application has read the content of 'input_assign1.txt' and calculated the word and letter counts. The word count is 288. The letter counts for each letter from 'a' to 'z' are listed below.

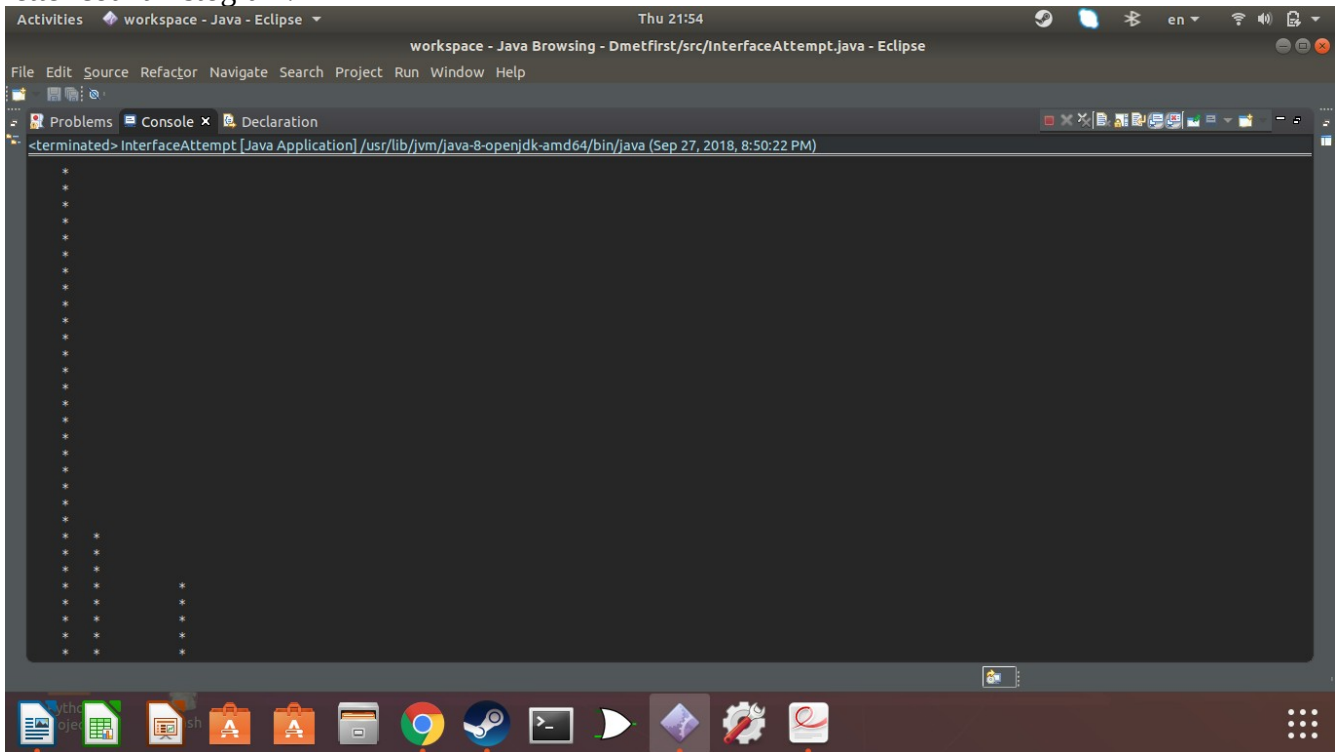
```
<terminated> InterfaceAttempt [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Sep 27, 2018, 8:50:22 PM)
what is multimedia?
people who use the term multimedia may have quite different, even opposing, viewpoints. a consumer entertainment vendor, say a phone com
a computer science or engineering student reading this book likely has a more application-oriented view of what multimedia consists of: ap
the popular notion of convergence is one that inhabits the college campus as it does the culture at large. in this scenario, computers,
word count: 288
letters count
a: 140
b: 13
c: 59
d: 70
e: 177
f: 23
g: 33
h: 65
i: 154
j: 1
k: 11
l: 62
m: 59
n: 123
o: 108
p: 48
q: 1
```

Letter count

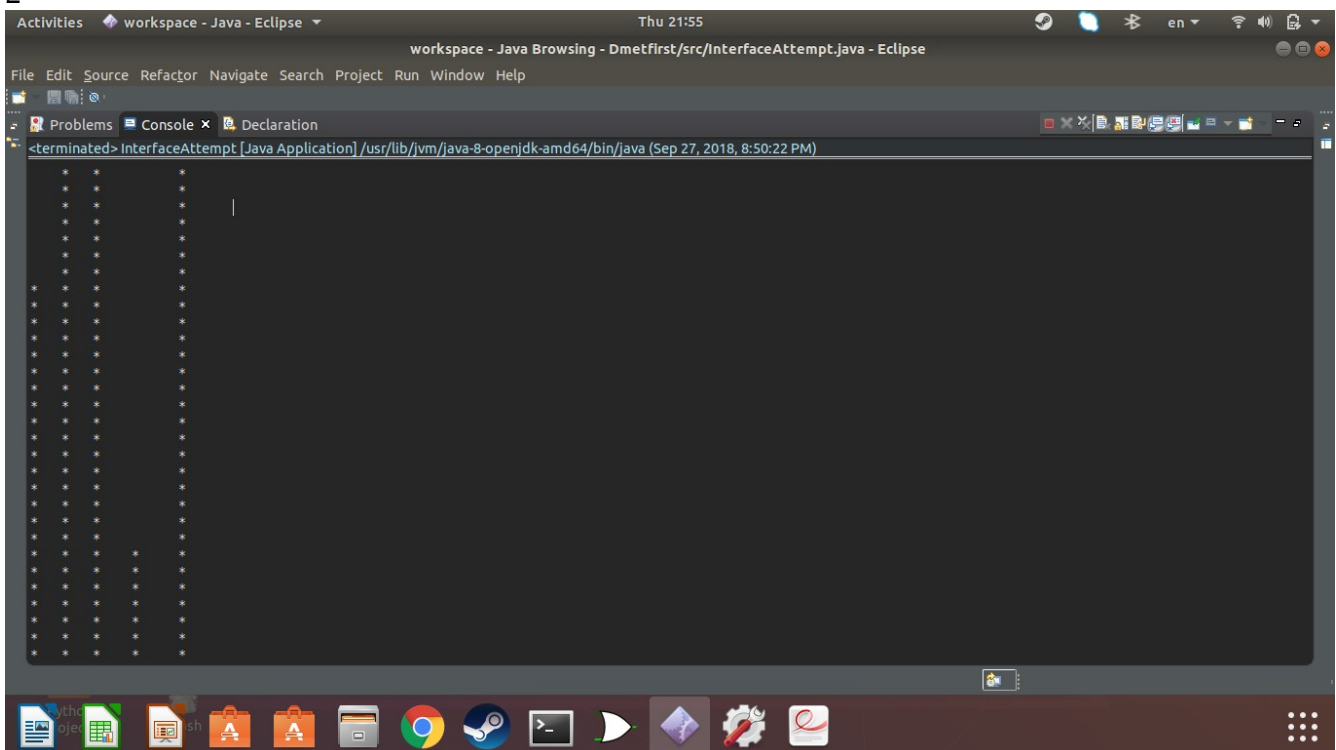
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g: 33
h: 65
i: 154
j: 1
k: 11
l: 62
m: 59
n: 123
o: 108
p: 48
q: 1
r: 91
s: 93
t: 151
u: 53
v: 28
w: 16
x: 3
y: 23
z: 1
*
*
```

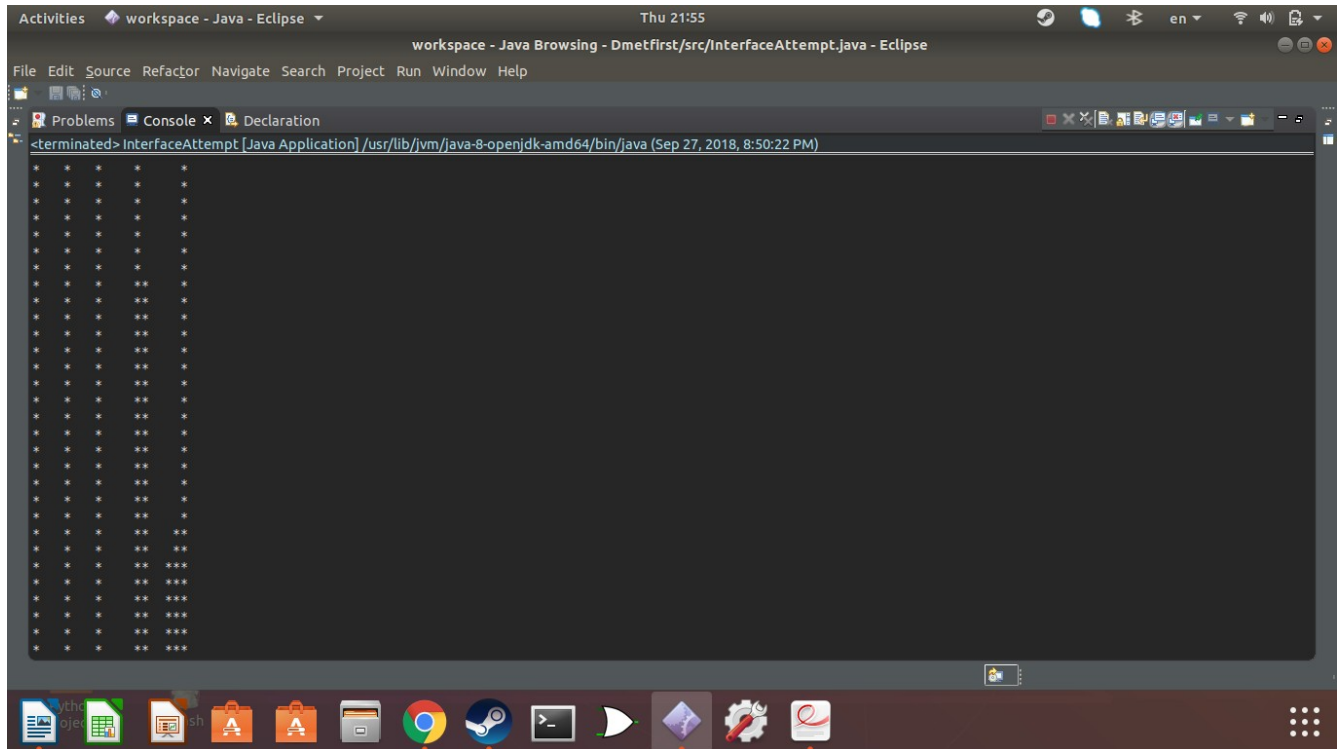
letter count histogram:1



2

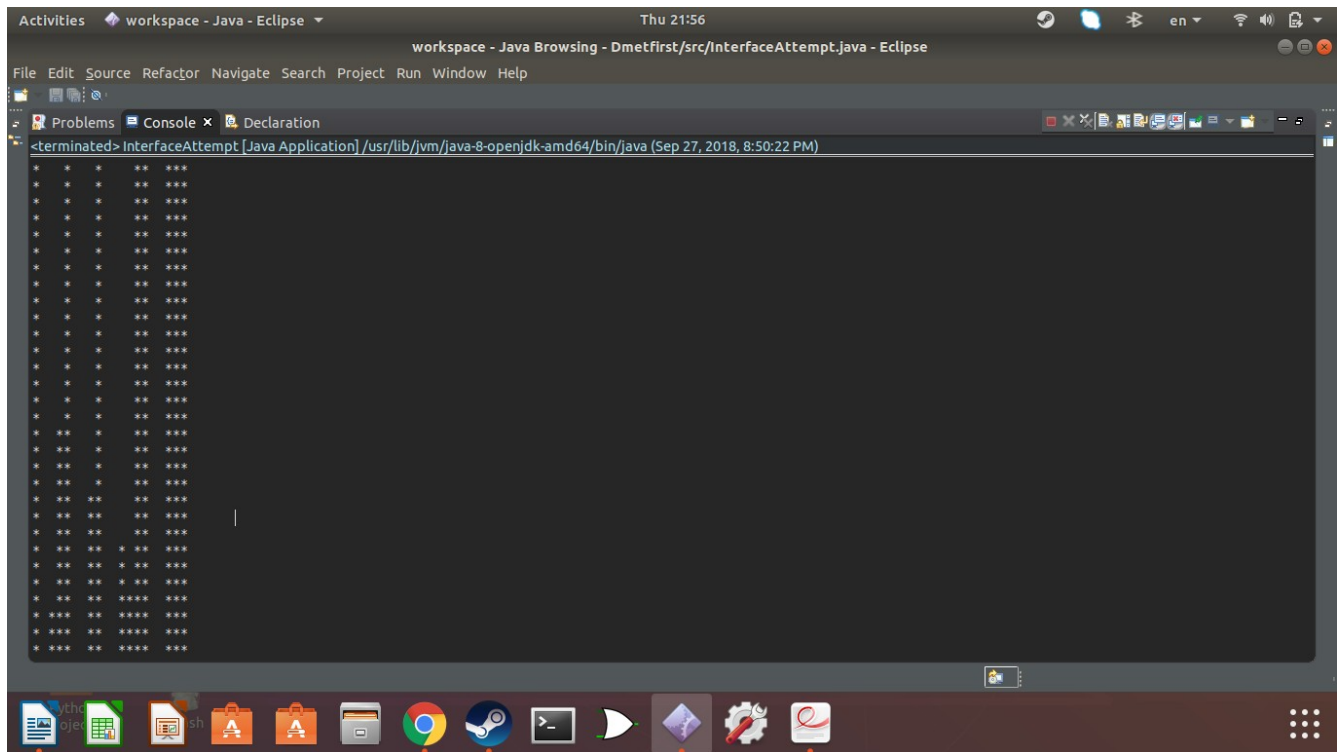


3

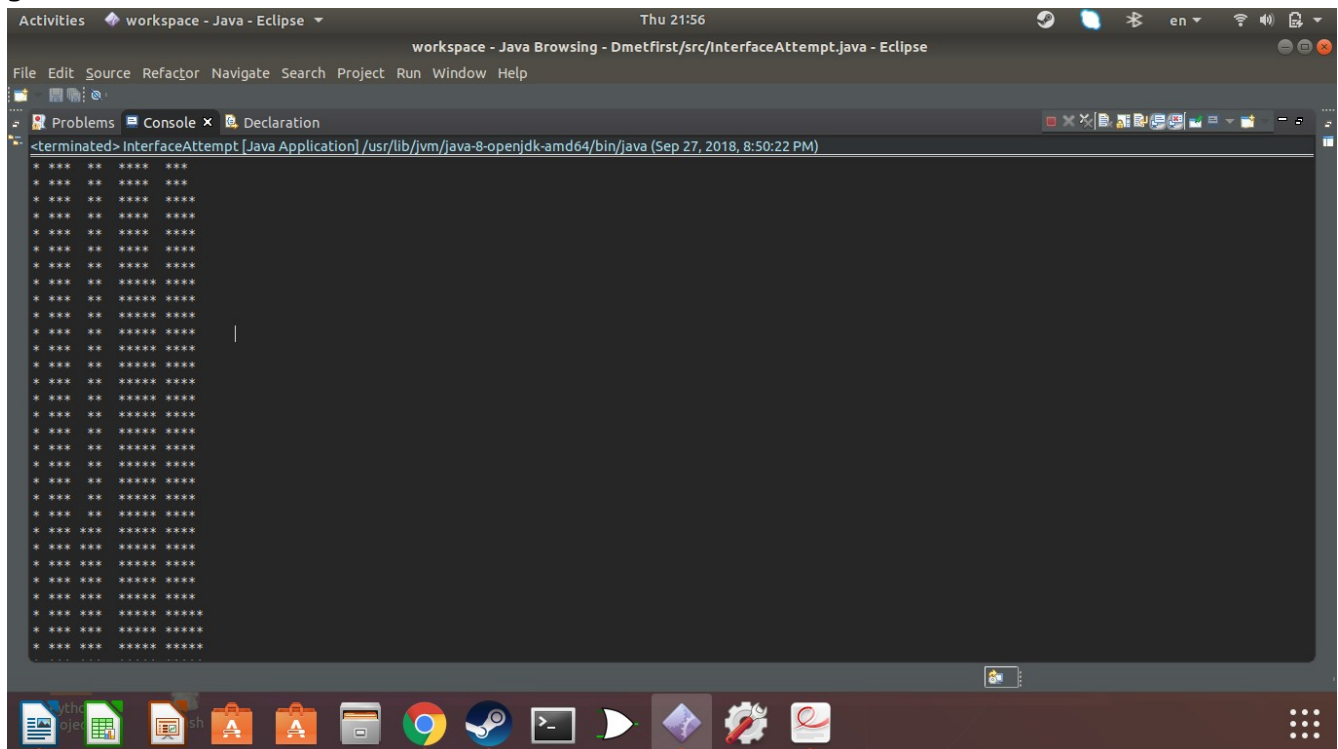


The screenshot shows the Eclipse IDE interface. The top bar indicates the workspace is 'workspace - Java - Eclipse' and the time is 'Thu 21:55'. The main menu includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The 'Console' tab is active, displaying the output of a Java application. The output starts with '<terminated> InterfaceAttempt [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Sep 27, 2018, 8:50:22 PM)'. Below this, there is a large block of asterisks (*) arranged in a grid-like pattern, likely representing a visual output or a test result. The bottom of the screen shows the Ubuntu desktop environment with various application icons in the dock.

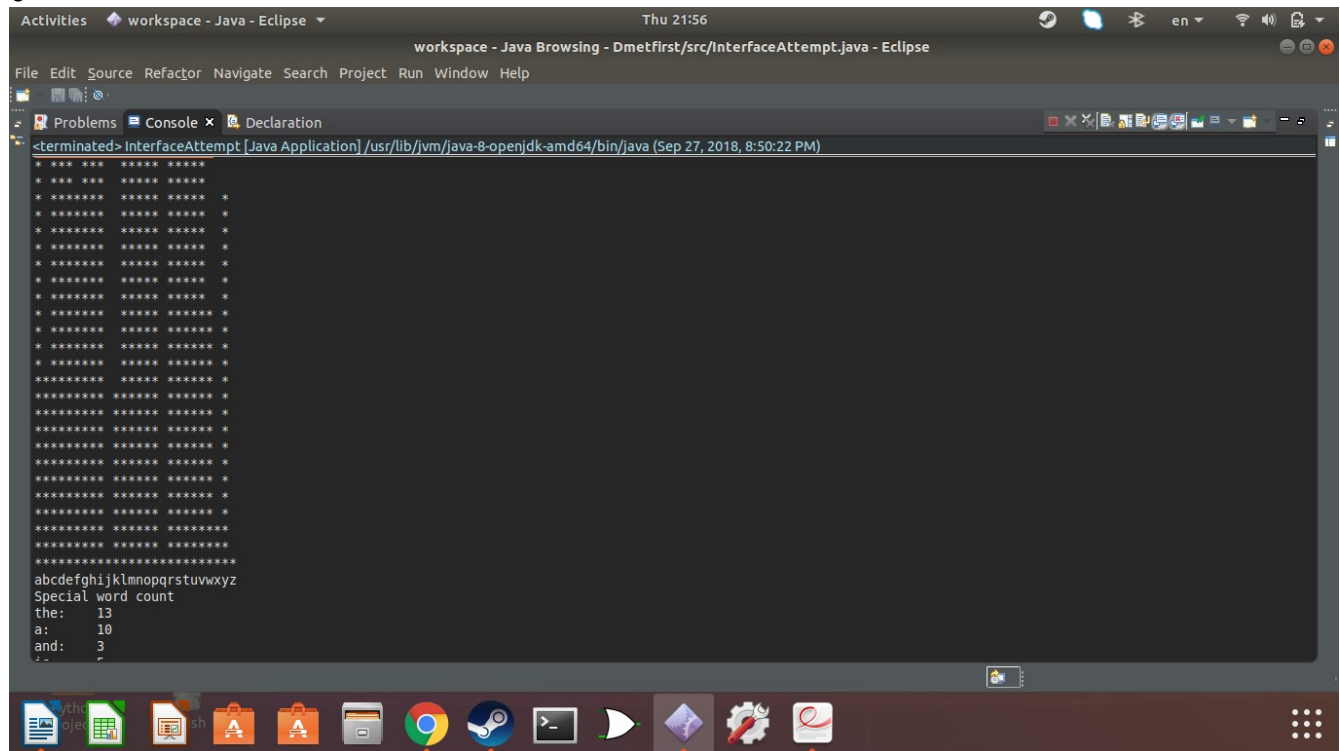
4



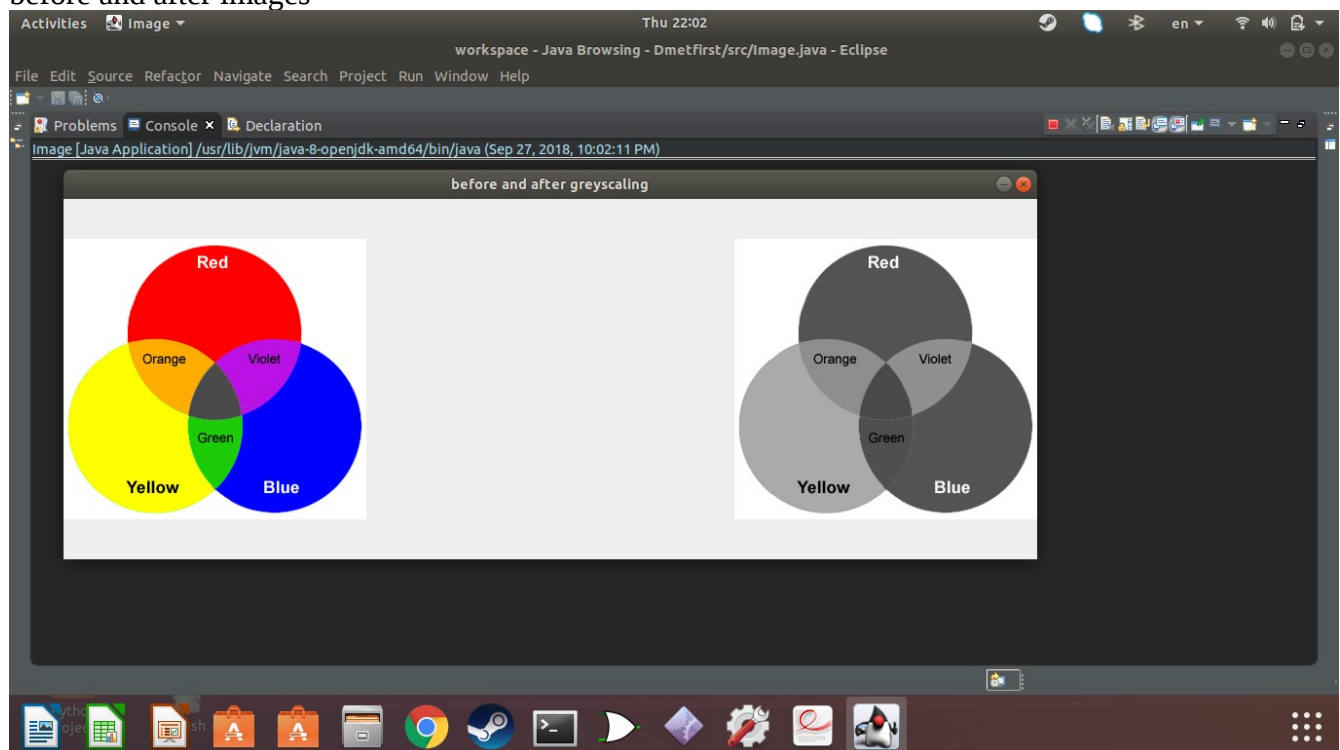
5



6



before and after images



Explanation of the codes:

codes are documented using comments

points to make clear in interfaceAttempt class

- this is the text manipulation class
- Histogram works vertically by calculating the maximum value to print an asterisk and keeps decrementing the value for each asterisk until it reaches 0 indicating that all asterisks have been drawn. This is an alternative to using 2D arrays
- reading arrays is done within the main method and not in an external method in order to avoid confusion as they weren't necessarily specified or mentioned in the interface or task

points to make clear about image class

- this class is for image manipulation
- window cannot be resized to avoid overlapping images

Results copy+pasted from console:

288words

1606letters

a: 140

b: 13

c: 59

d: 70

e: 177

f: 23

g: 33

h: 65

i: 154

j: 1

k: 11

l: 62

m: 59

n: 123

o: 108

p: 48

q: 1

r: 91

s: 93

t: 151

u: 53

v: 28

w: 16

x: 3

y: 23

z: 1

*

*

*

[illegible]

[illegible]

[illegible]

the a and is are this other