xxi. out: 1

xxii. life: 1

1.

```
a. [space], [the], [final], [frontier], [these], [are], [the], [voyages], [of], [the],
    [starship], [enterprise], [its], [five], [year], [mission], [to], [explore], [strange],
    [new], [worlds], [to], [seek], [out], [new], [life], [and], [new], [civilizations], [to],
    [boldly], [go], [where], [no], [man], [has], [gone], and [before]
        i. space: 1
       ii. the: 3
      iii. final: 1
       iv. frontier: 1
       v. these: 1
       vi. are: 1
      vii. voyages: 1
     viii. of: 1
       ix. starship: 1
       x. enterprise: 1
       xi. its: 1
      xii. five: 1
     xiii. year: 1
     xiv. mission: 1
      xv. to: 3
     xvi. explore: 1
     xvii. strange: 1
    xviii. new: 3
     xix. worlds: 1
      xx. seek: 1
```

```
xxiii. and: 1
xxiv. civilizations: 1
xxv. boldly: 1
xxvi. go: 1
xxvii. where: 1
xxviii. no: 1
xxix. man: 1
xxx. has: 1
xxxi. gone: 1
xxxii. before: 1
```

b. [space the], [the final], [final frontier], [frontier these], [these are], [are the], [the voyages], [voyages of], [of the], [the starship], [starship enterprise], [enterprise its], [its five], [five year], [year mission], [mission to], [to explore], [explore strange], [strange new], [new worlds], [worlds to], [to seek], [seek out], [out new], [new life], [life and], [and new], [new civilizations], [civilizations to], [to boldly], [boldly go], [go where], [where no], [no man], [man has], [has gone], and [gone before]

```
ii. the, final: 1

iii. final, frontier: 1

iv. frontier, these: 1

v. these, are: 1

vi. are, the: 1

vii. the, voyages: 1

viii. voyages, of: 1

ix. of, the: 1

x. the, starship: 1

xi. starship, enterprise: 1

xii. enterprise, its: 1

xiii. its, five: 1

xiv. five, year: 1
```

i. space, the: 1

```
xv. year, mission: 1
```

xvi. mission, to: 1

xvii. to, explore: 1

xviii. explore, strange: 1

xix. strange, new: 1

xx. new, worlds: 1

xxi. worlds, to: 1

xxii. to, seek: 1

xxiii. seek, out: 1

xxiv. out, new: 1

xxv. new, life: 1

xxvi. life, and: 1

xxvii. and, new: 1

xxviii. new, civilizations: 1

xxix. civilizations, to: 1

xxx. to, boldly: 1

xxxi. boldly, go: 1

xxxii. go, where: 1

xxxiii. where, no: 1

xxxiv. no, man: 1

xxxv. man, has: 1

xxxvi. has, gone: 1

xxxvii. gone, before: 1

2.

a. space: 2.63157895%

b. the: 7.89473684%

c. final: 2.63157895%

d. frontier: 2.63157895%

e. these: 2.63157895%

f. are: 2.63157895%

g. voyages: 2.63157895%

h. of: 2.63157895%

i. starship: 2.63157895%

j. enterprise: 2.63157895%

k. its: 2.63157895%

1. five: 2.63157895%

m. year: 2.63157895%

n. mission: 2.63157895%

o. to: 7.89473684%

p. explore: 2.63157895%

q. strange: 2.63157895%

r. new: 7.89473684%

s. worlds: 2.63157895%

t. seek: 2.63157895%

u. out: 2.63157895%

v. life: 2.63157895%

w. and: 2.63157895%

x. civilizations: 2.63157895%

y. boldly: 2.63157895%

z. go: 2.63157895%

aa. where: 2.63157895%

bb. no: 2.63157895%

cc. man: 2.63157895%

dd. has: 2.63157895%

ee. gone: 2.63157895%

ff. before: 2.63157895%

3.

a. these: 2.63157895%

b. are: 2.63157895%

c. voyages: 2.63157895%

d. to: 7.89473684%

e. new: 7.89473684%

- f. worlds: 2.63157895%
- g. go: 2.63157895%
 - i. $(1/38)^5*(3/38)^3=6.21005*10^{-12}$

4.

- a. Wood Napkin Box
 - i. im0: {(567, 1342), (1473, 576), X, (1443, 1423)}
 - ii. im1: {(381, 552), (1228, 577), X, X}
- b. Elec. Stuff Box, Folder at Front
 - i. im0: {(638, 548), (1169, 1340), (587, 1670), (1212, 1646)}
 - ii. im1: {(244, 1353), (865, 1343), (246, 1668), (895, 1650)}

5.

- a. 4412.147*144.174/(638 244)=1614.51
- b. 4412.147*144.174/(1169 865)=2092.49
- c. 4412.147*144.174/(587 246)=1865.45
- d. 4412.147*144.174/(1212 895)=2006.68