

2. Word Sense Disambiguation

2.1 Sentence 1

Her right arm lay in the cushioned parapet before her.

Open class words:

right - JJ - 15

arm - NN - 6

lay - base-form - lie - VB - 7

cushioned - JJ - 1

parapet - NN - 2

Sentence 2

She raised her hand, and made a light quick movement toward the right.

Open class words:

raised - base-form-raise - VBD - 27

hand - NN - 14

light - JJ - 25

made - base-form-make - VBD - 49

quick - JJ - 6

movement - NN - 11

sight - NN - 8

Sentence - 3

No one but her lover saw her.

Open class words:

lover - NN - 3

saw - base-form - see - VBD - 24

Sentence - 4

Every eye but his was fixed on the man in the arena.

Open class words.

eye - NN - 5

fixed - base-form - fix - VBD - 12

man - NN - 11

arena - NN - 4

Sentence - 5

He turned and with a firm and rapid step
he walked across the empty space.

Open class words :

turned - base-form-turn - VBD - 26

firm - JJ - 10

rapid - JJ - 2

step - NN - 11

walked - VBD - base-form-walk - 10

empty - JJ - 4

space - NN - 9

2.1 Sentence 1

$$\begin{aligned}\text{Senses} &= 15 \times 6 \times 7 \times 1 \times 2 \\ &= 1260\end{aligned}$$

Sentence 2

$$\begin{aligned}\text{Senses} &= 27 \times 14 \times 25 \times 49 \times 6 \times 11 \times 8 \\ &= 244,490,400\end{aligned}$$

Sentence 3

$$\begin{aligned}\text{Senses} &= 3 \times 24 \\ &= 72\end{aligned}$$

Sentence 4

$$\begin{aligned}\text{Senses} &= 5 \times 12 \times 11 \times 4 \\ &= 2640\end{aligned}$$

Sentence 5

$$\begin{aligned}\text{Senses} &= 26 \times 10 \times 2 \times 11 \times 10 \times 4 \times 9 \\ &= 2059200\end{aligned}$$