

2) Word Sense Disambiguation

2.1) No of sense for open class words

- 1) In – 7
- 2) Cold – 16
- 3) Weather – 6
- 4) Started– (Base form: Start) – 22
- 5) City – 3
- 6) Were– (Base form: be) – 14
- 7) Least– (Base form: less) – 14
- 8) Worried– (Base form: worry) – 8
- 9) Protecting– (Base form: protect) – 2
- 10) Common – 10
- 11) After – 3
- 12) Signed– (Base form: sign) – 20
- 13) Agreement – 6
- 14) Chill – 7
- 15) Crept– (Base form: creep) – 8
- 16) Up – 14
- 17) Spine – 5
- 18) Its – 1
- 19) Not – 1
- 20) Serious – 6
- 21) Husband – 2
- 22) Assured– (Base form: assure) – 6
- 23) Left– (Base form: leave) – 17
- 24) Deposit – 12
- 25) Cash – 4
- 26) Bank – 18
- 27) At – 2

2.2) Distinct Combination of sentences:

Sentence 1: In the cold weather, they started to the city.

Combinations: $7 * 16 * 6 * 22 * 3 = 44352$

Sentence 2: They were least worried protecting themselves against the common cold.

Combinations: $14 * 14 * 8 * 2 * 10 * 16 = 501760$

Sentence 3: After she signed the agreement, a cold chill crept up her spine.

Combinations: $3 * 20 * 6 * 16 * 7 * 8 * 14 * 5 = 22579200$

Sentence 4: “Chill, its not that serious,” her husband assured and left to deposit cash at the bank.

Combinations: $7 * 1 * 1 * 6 * 2 * 6 * 17 * 12 * 4 * 2 * 18 = 14805504$