# WordNet (cardinality)

## general

synset having N words (1..28)

```
SELECT MIN(N),MAX(N) FROM ( SELECT COUNT(wordid) AS N FROM synsets LEFT JOIN senses USING(synsetid) GROUP BY synsetid) AS C
```

| MIN(N) | MAX(N) |
|--------|--------|
| 1 | 28 |

word having N synset (1..75)

```
SELECT MIN(N),MAX(N) FROM ( SELECT COUNT(synsetid) AS N FROM words LEFT JOIN senses USING(wordid) GROUP BY wordid) AS C
```

| MIN(N) | MAX(N) |
|--------|--------|
| 1 | 75 |

## morphology

morph having N words (1..3)

```
SELECT MIN(N),MAX(N) FROM ( SELECT COUNT(wordid) AS N FROM morphs LEFT JOIN lexes_morphs USING(morphid) GROUP BY morphid) AS C
```

| MIN(N) | MAX(N) |
|--------|--------|
| 1 | 5 |

word having N morphs (0..7)

```
SELECT MIN(N),MAX(N) FROM ( SELECT COUNT(morphid) AS N FROM words LEFT JOIN lexes_morphs USING(wordid) GROUP BY wordid) AS C
```

| MIN(N) | MAX(N) |
|--------|--------|
| 0 | 9 |

## verb frames

sense having N vframes (0..8)

```
SELECT MIN(N),MAX(N) FROM ( SELECT COUNT(frameid) AS N FROM senses LEFT JOIN senses_vframes USING(wordid,synsetid) GROUP BY synsetid,wordid) AS C
```

| MIN(N) | MAX(N) |
|--------|--------|
| 0 | 8 |

vframe having N senses (1..801)

```
SELECT MIN(N),MAX(N) FROM ( SELECT COUNT(CONCAT(wordid,synsetid)) AS N FROM vframes LEFT JOIN senses_vframes USING(frameid) GROUP BY frameid) AS C
```

| MIN(N) | MAX(N) |
|--------|--------|
| 1 | 13233 |

verbframe sentences

sense having N vtemplates (0..8)

SELECT MIN(N),MAX(N) FROM ( SELECT COUNT(templateid) AS N FROM senses LEFT JOIN senses_vtemplates USING(wordid,synsetid) GROUP BY synsetid,wordid) AS C

| MIN(N) | MAX(N) |
|--------|--------|
| 0 | 4 |

vtemplates having N senses (1..801)

SELECT MIN(N),MAX(N) FROM ( SELECT COUNT(CONCAT(wordid,synsetid)) AS N FROM vtemplates LEFT JOIN senses_vtemplates USING(templateid) GROUP BY templateid) AS C

| MIN(N) | MAX(N) |
|--------|--------|
| 0 | 295 |