

Lexical Resources

Einführung in die Computerlinguistik – Übung 6.11.2015

Write

1. Open console

2. Login to one machine

```
ssh tbd
```

penzing

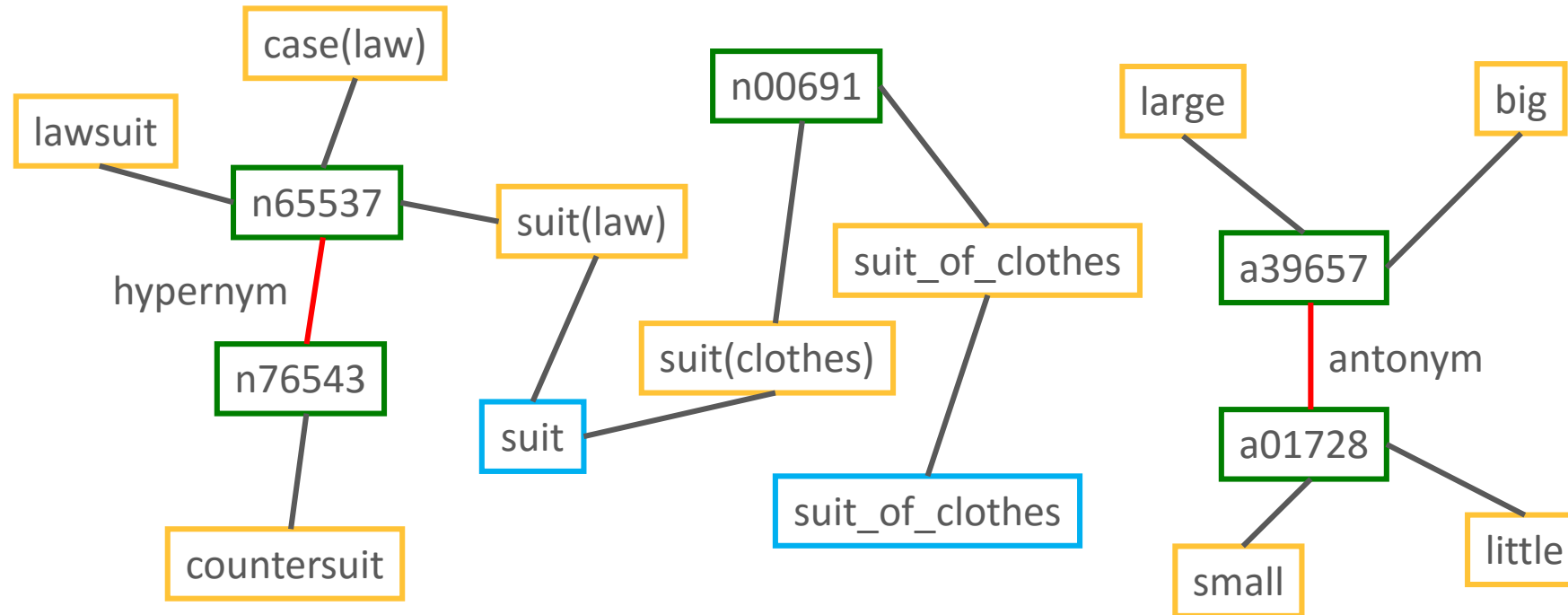
3. Enable chat

```
msg y
```

4. Send answers or questions

```
echo "bla bla" | write rothes
```

WordNet



WordNet

1. Find different meaning for "suit" and explain them

6 Bedeutungen

2. Find a word with the most lexemes

cut → 71

3. Find the direct hypernym of car/auto

motor vehicle

4. Find all hypernyms of car/auto. What is the root of the tree?

entity

WordNet

cohyponym
↓

5. Think about a sister term of car that does not exist in WordNet

6. Think about a hyponym of car that does not exist in WordNet

BMW 5

7. What is the closest common hypernym of car/auto and car/railcar

wheeled vehicle

8. Find different meaning for "bill". Are you missing a meaning?

Bill Gates, Bill Clinton

Freebase

1. Find different meanings for "bill"

Bill Clinton

Bill Gates

2. What is the equivalent of synset in Freebase? How many of them are there?

entity

3. What is the problem with Freebase?

- community created

- will be shut down

Netspeak

Mehrheit hat nicht unbedingt
recht? → aber es ist ein sehr
starker Indikator

1. Use your favorite search engine to find out if you say "fewer time" or "less time"

2. Use Netspeak to find the correct way to say:

1. fewer or less time?

[fewer less] time

2. married to or married with him?

married [to with] him

3. your/you're beautiful

[your you're] beautiful

4. more then/than enough

more [then than] enough

Netspeak

3. What is more popular: dogs or cats?

like [dogs cats]

4. Who is more popular: President Bush or President Obama?

Bush?

5. What's the problem with the data Netspeak uses?

Daten sind nicht aktuell

6. When is this data from?

[2004 2005 2006] → maybe 2005 or 2006

Web IT 5-gram v1.1 was created Jan 2006

Netspeak

7. What is the probability of the word “bayes” being followed by the word “rule”?

$\sim 2.7\%$

8. What is the probability of the word “rule” being *preceded* by the word “bayes”?

$< 0.03\%$