

- **S:** (n) *combatant, battler, belligerent, fighter, scrapper* (someone who fights (or is fighting))
 - **direct hyponym / full hyponym**
 - **direct hypernym / inherited hypernym / sister term**
 - **S:** (n) *person, individual, someone, somebody, mortal, soul* (a human being) "there was too much for one person to do"
 - **derivationally related form**
 - **W:** (adj) *combative* [Related to: *combatant*] (engaging in or ready for combat)
 - **W:** (v) *combat* [Related to: *combatant*] (battle or contend against in or as if in a battle) "The Kurds are combating Iraqi troops in Northern Iraq"; "We must combat the prejudices against other races"; "they battled over the budget"
 - **W:** (v) *battle* [Related to: *battler*] (battle or contend against in or as if in a battle) "The Kurds are combating Iraqi troops in Northern Iraq"; "We must combat the prejudices against other races"; "they battled over the budget"

x_1	x_2	x_3
person(x1)		
lucic(x2)		
thing(x3)		

 \wedge

x_4	x_5	x_6
theme(x4, x2)		
agent(x4, x3)		
s(x4)		
theme(x5, x6)		
agent(x5, x6)		
love(x5)		
x2 = x6		

Maximum Entropy Model

Lexical Features

POS

Logical Model

DRS

Word Embeddings

Synsets

Named Entities

P_{pair6}

P_{pair5}

P_{pair1}

P_{pair2}

P_{pair3}

P_{pair7}

P_{pair8}

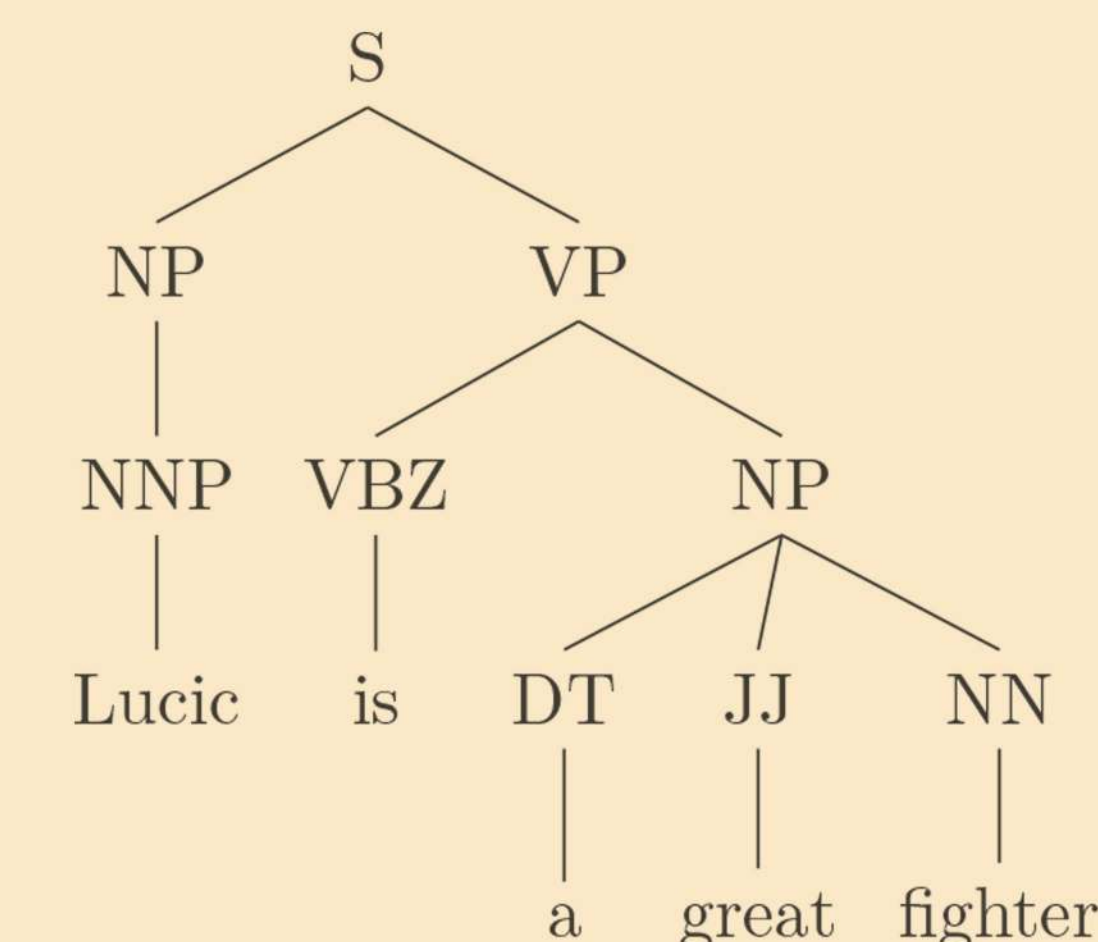
P_{pair4}

Treshold
(0.85)

0.0

1.0

Paraphrase



That/DT
s/VBZ
the/DT
Lucic/NNP
I/NNP
loveeeee/NNP

```

model([d1],
[f(1,a1great[_G4019]),
f(1,n1fighter[_G4019]),
f(1,n1lucic[_G4019]),
f(1,v1be[_G4019]),
f(2,r1agent,[[_G4019,_G4044]),
f(2,r1experencer,[[_G4019,_G4044]),
f(2,r1theme,[[_G4019,_G4044])]).
  
```

Lucic is a great **figter**
Lucic is a great **fighter**



That **s** the Lucic I **love**
That **is** the Lucic I **love**
That **s** the Lucic I **loveeeee**
That **is** the Lucic I **loveeeee**

Lucic
is
a
great
[figter/fighter]

That
[s/is]
the
Lucic
I
[loveeeee/love]

Rob van der Goot @robvanderg · 59s
Lucic is a great fighter

Gertjan van Noord @gj · May 19
That s the Lucic I loveeee

Normalization

1. IV/OOV:
Using aspell dictionary
2. Generation:
Lexical edit distances (lower cost of deletion)
3. Ranking:
Learning to rank(Ngram probs, edit distances)

Results (F-scores)

	Binary	Multi-class
Without normalization	0.58	0.61
With normalization	0.60	0.62