

Semantic maps, for synchronic and diachronic typology

2017

ULg – First ‘Diasema Talk’

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Grammar and Pragmatics
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vdAJ & Vladimir Plungian (1998) “Modality’s semantic map”, *Linguistic Typology* 2: 79-124.

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Modality

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Modality

General, methodological considerations

Mood (imperatives, hortatives)

Adjectives

Scalar additive markers

Impersonals

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Modality

General, methodological considerations

Mood (imperatives, hortatives)

Adjectives

Scalar additive markers

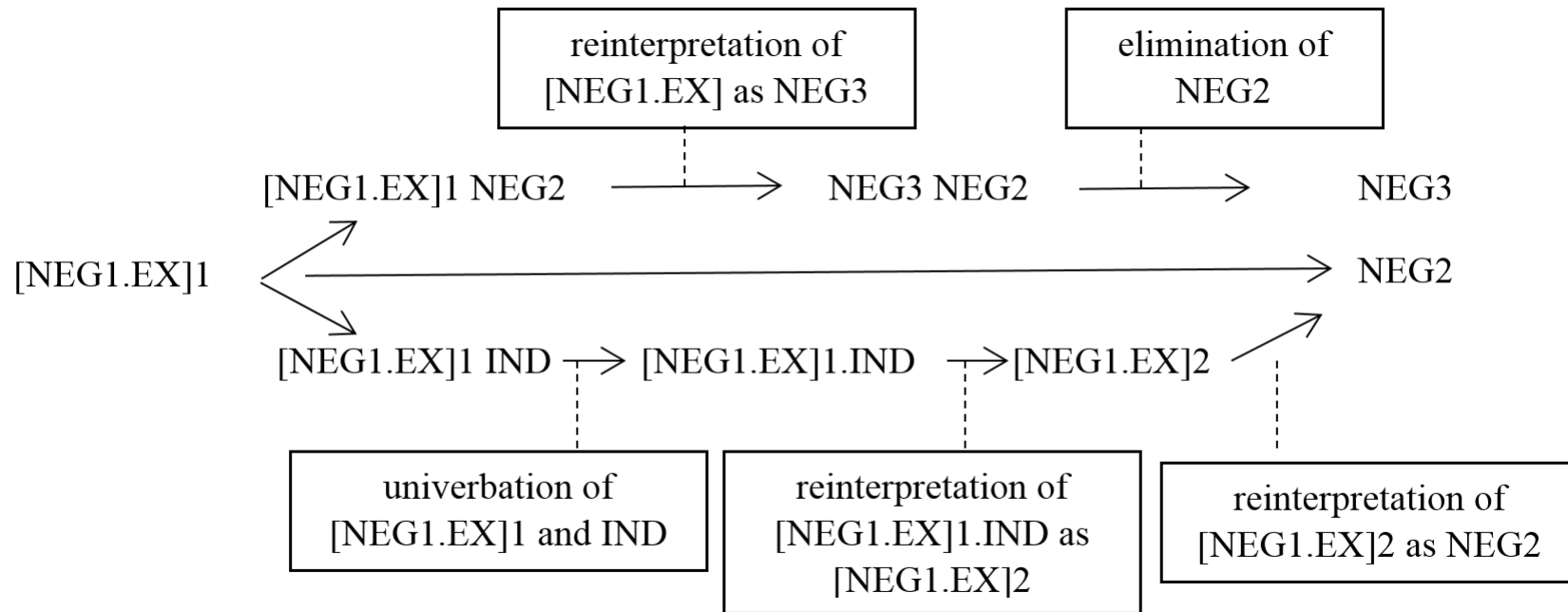
Impersonals

But negation

[NEG1.EX]



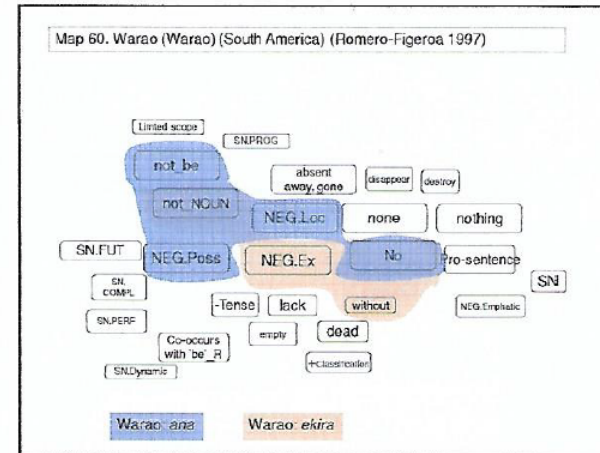
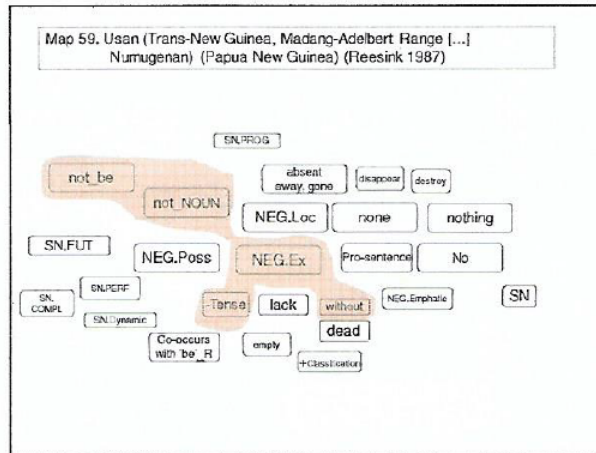
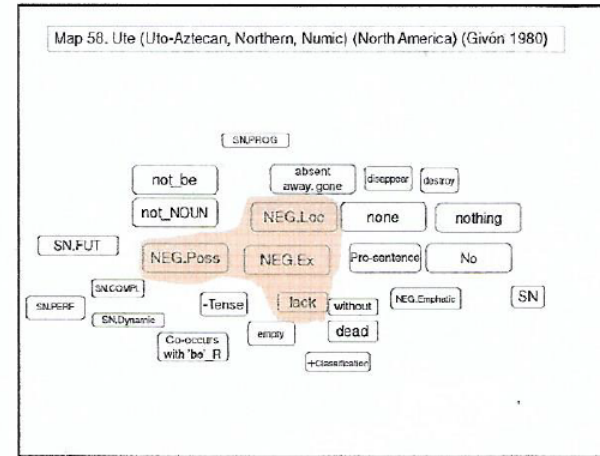
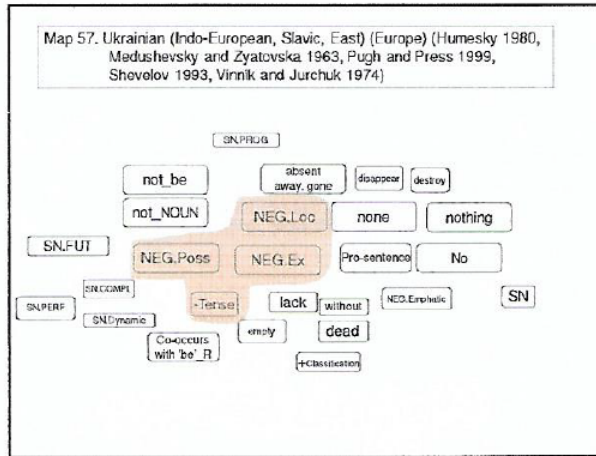
NEG2



[NEG1.EX]



NEG2



Veselinova, Ljuba (2013) 'Negative existentials: A cross-linguistic study', *Rivista di Linguistica* 25: 107-145.

1. What are semantic maps?

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2. Synchronic typology

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2. Synchronic typology

3. Diachronic typology

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2. Synchronic typology

3. Diachronic typology

4. These semantic maps can be quite complicated

1. What are semantic maps?

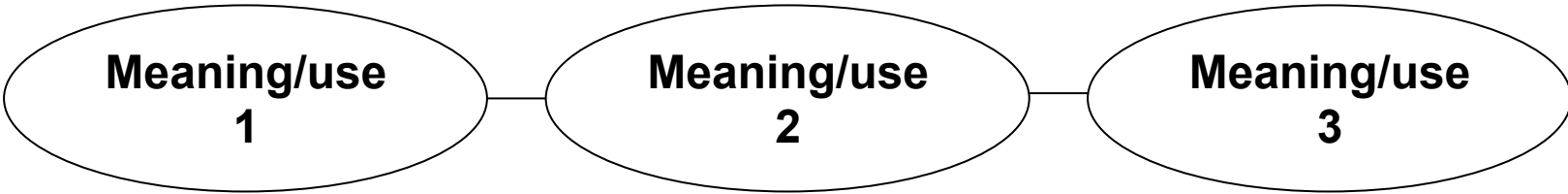
2. Synchronic typology

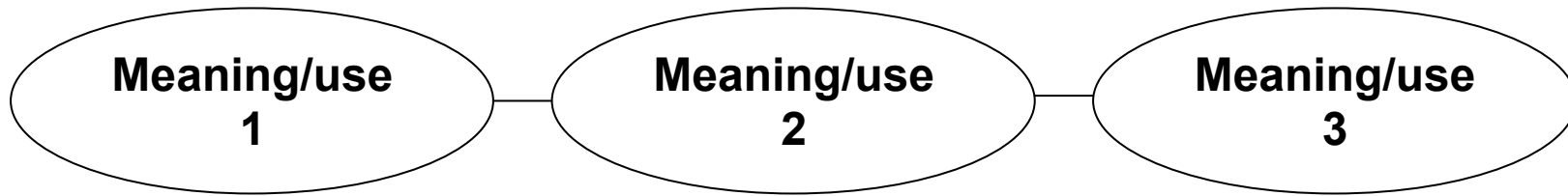
3. Diachronic typology

4. These semantic maps can be quite complicated

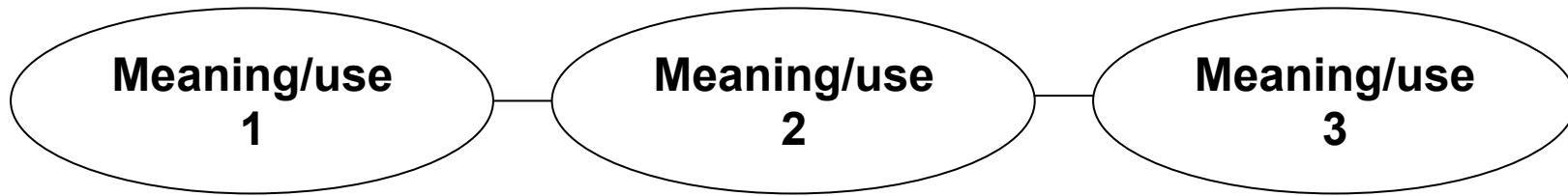
5. The many shapes of adjacency/contiguity

1. What are semantic maps?



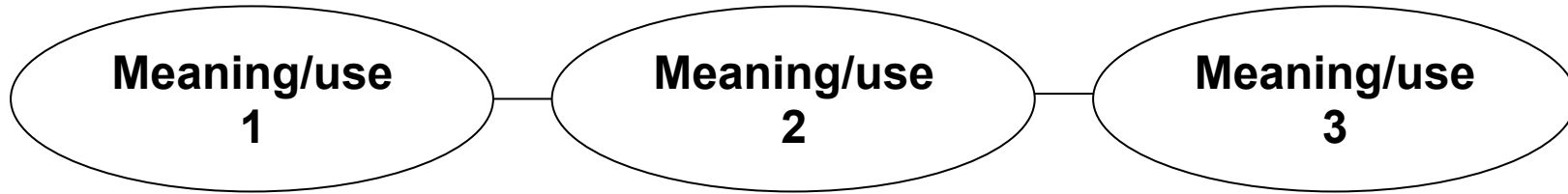


bla



bla

bla



**Meaning/use
1**

**Meaning/use
2**

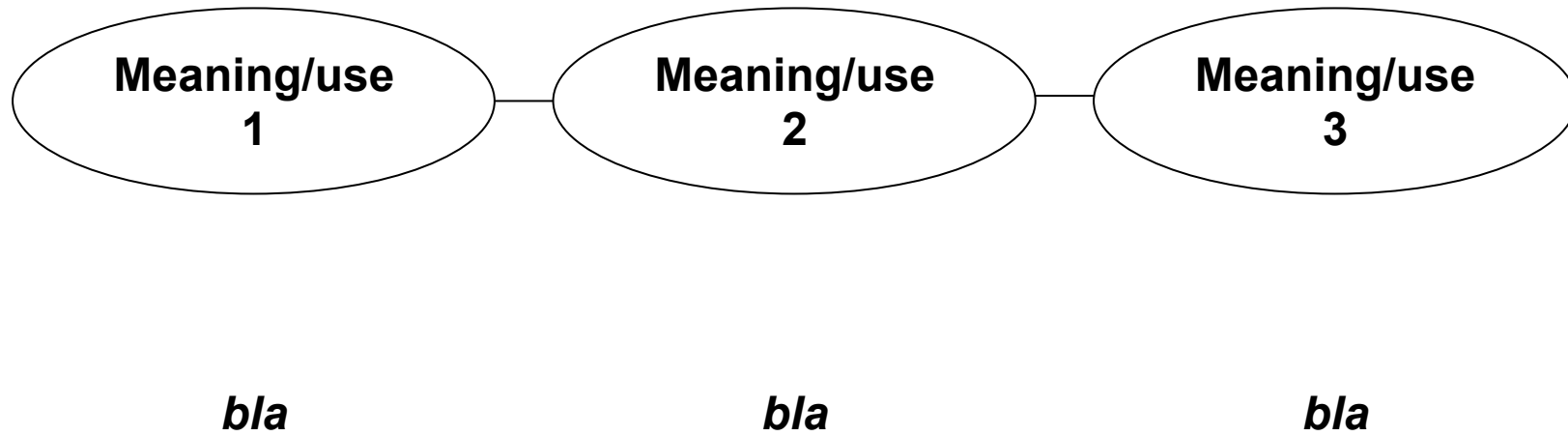
**Meaning/use
3**

bla

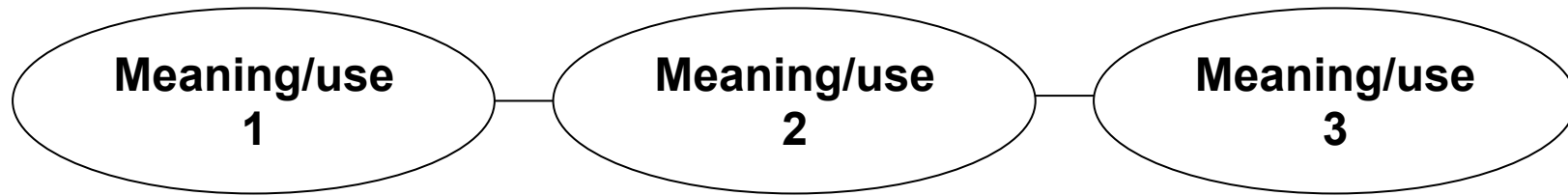
bla

bla

Form reflects meaning

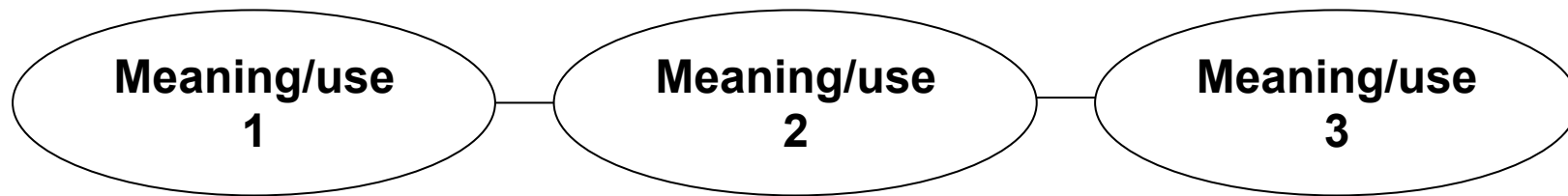


Form reflects meaning



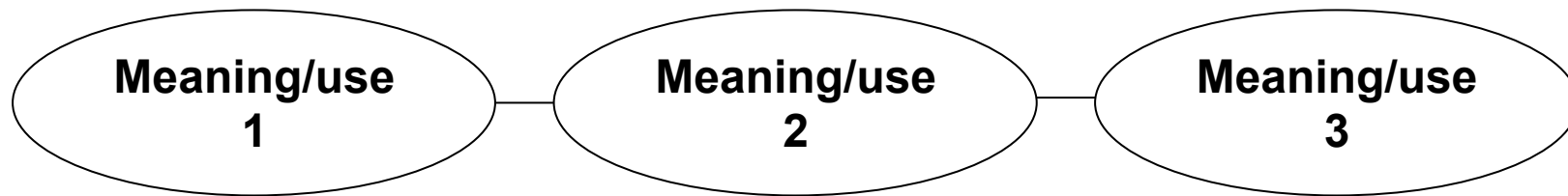
bla *ble* *bla*

Form reflects meaning



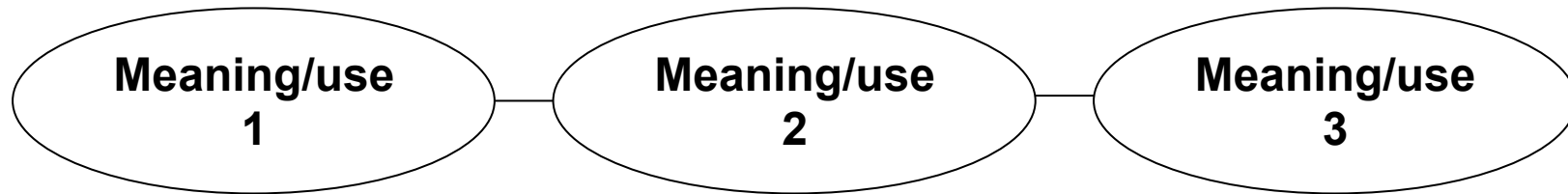
<i>bla</i>	<i>ble</i>	<i>bla</i>
<i>bla</i>	<i>bla</i>	<i>ble</i>
<i>ble</i>	<i>bla</i>	<i>bla</i>

Form reflects meaning



<i>bla</i>	<i>ble</i>	<i>bla</i>
<i>bla</i>	<i>bla</i>	<i>ble</i>
<i>ble</i>	<i>bla</i>	<i>bla</i>
<i>ble</i>	<i>bla</i>	<i>bli</i>

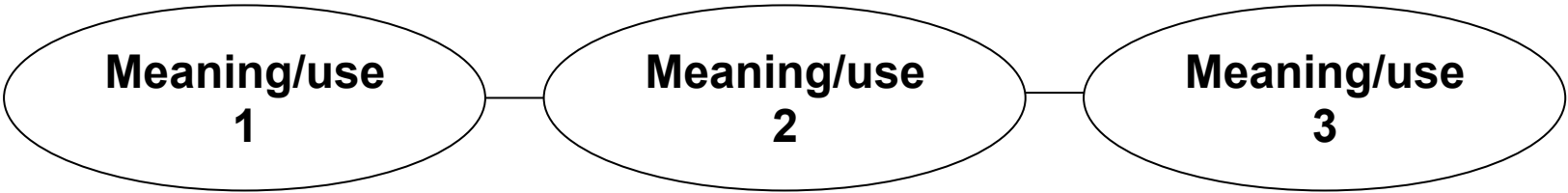
Form reflects meaning

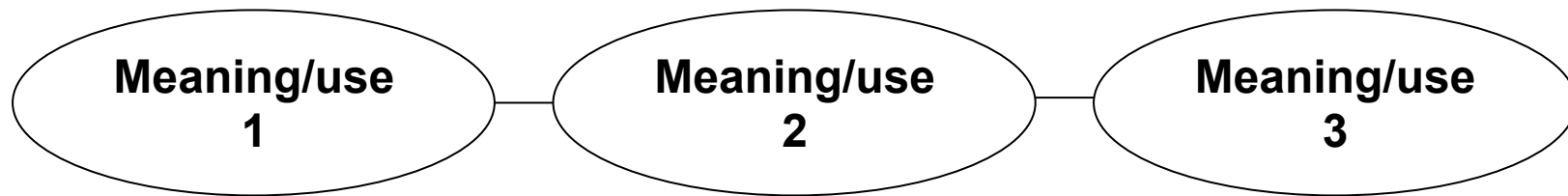


bla
bla
ble
ble
bla

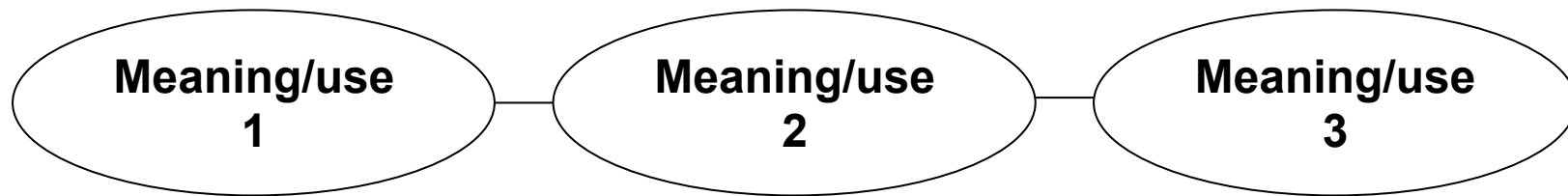
ble
bla
bla
bla
bla

bla
ble
bla
bli
bla



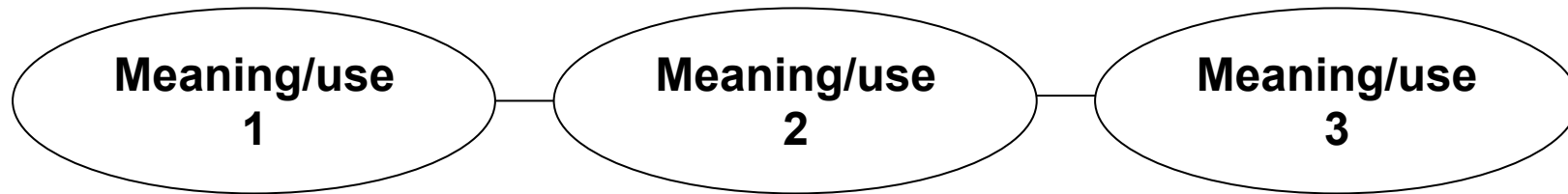


When he was young, he could speak Chinese.



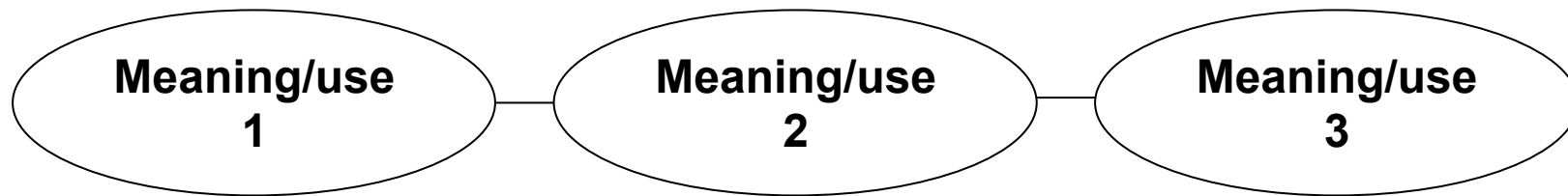
When he was young, he **could** speak Chinese.

Ability



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Ability

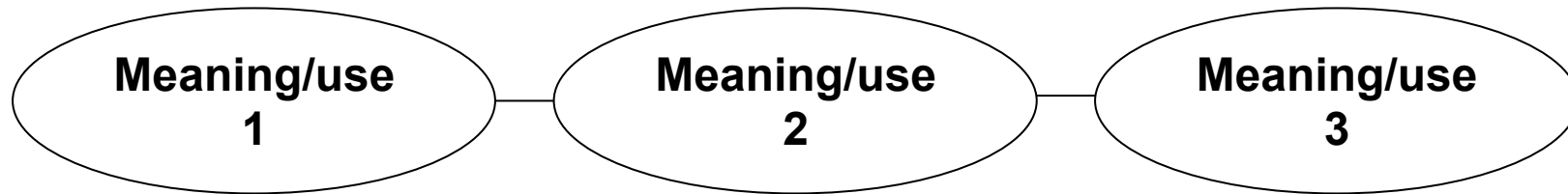


When he was young, he **could** speak Chinese.

He **could** leave any time he wanted.

Ability

Permission

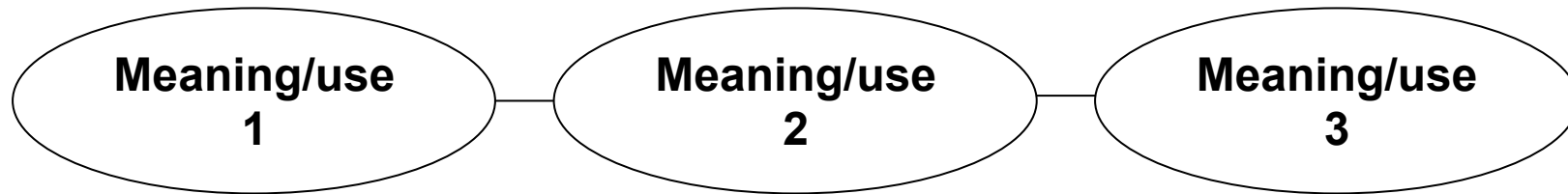


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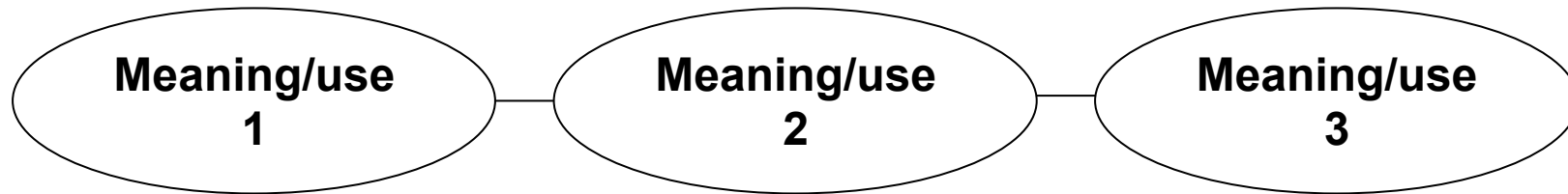
He **could** leave any time he wanted.

He **could** be home now.

Ability

Permission

Uncertainty



When he was young, he **could** speak Chinese.

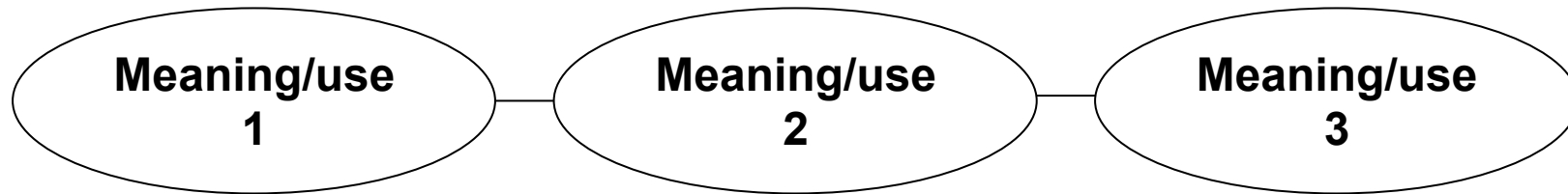
He **could** leave any time he wanted.

He **could** be home now.

Ability

Permission

Uncertainty



I **can** speak Chinese.

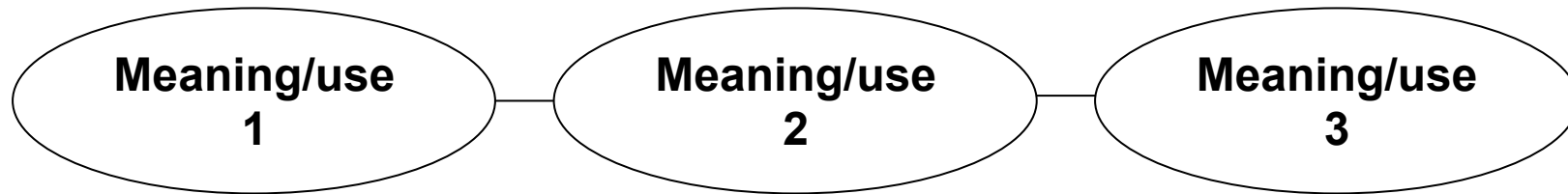
You **can** speak Chinese here.

*He **can** speak Chinese.

Ability

Permission

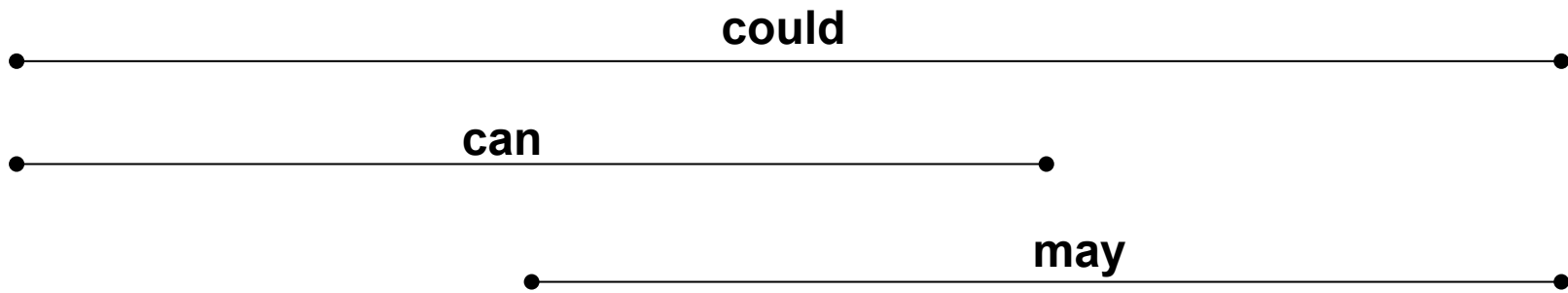
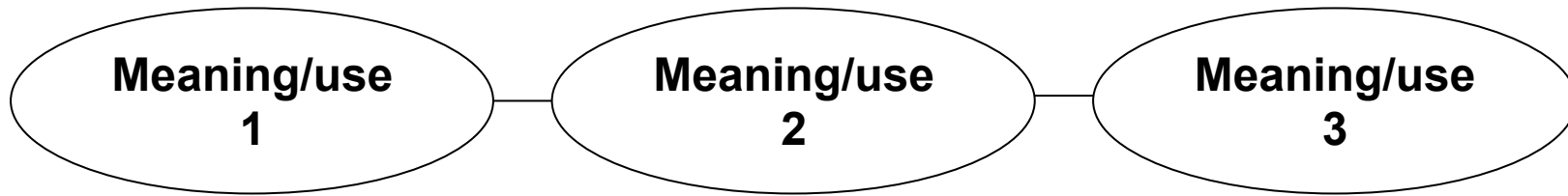
Uncertainty



*I **may** speak Chinese.

You **may** speak Chinese here.

He **may** speak Chinese.



Is the idea new?

Is the idea new?

**No ... various ancestors
Fries, Hjelmslew, Cognitive Grammar**

Is the idea new?

**No ... various ancestors
Fries, Hjelmslew, Cognitive Grammar**

**Still, recent prominence in
linguistic typology**

Anderson, L. B. (1982). 'The 'perfect' as a universal and as a language-particular category' In Hopper P. J. (ed.) *Tense-aspect: Between semantics & pragmatics*. Amsterdam: Benjamins. 227-264.

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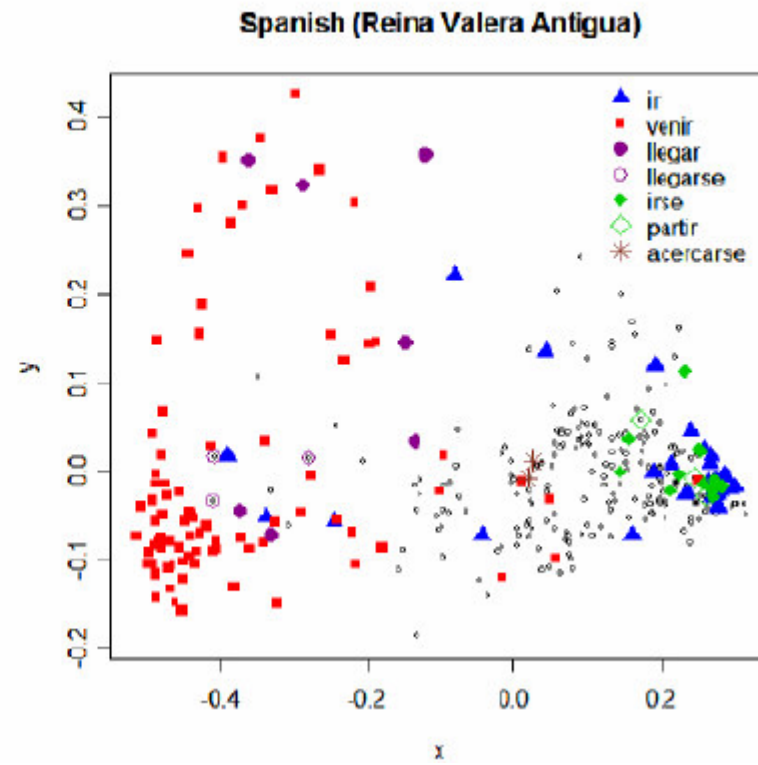
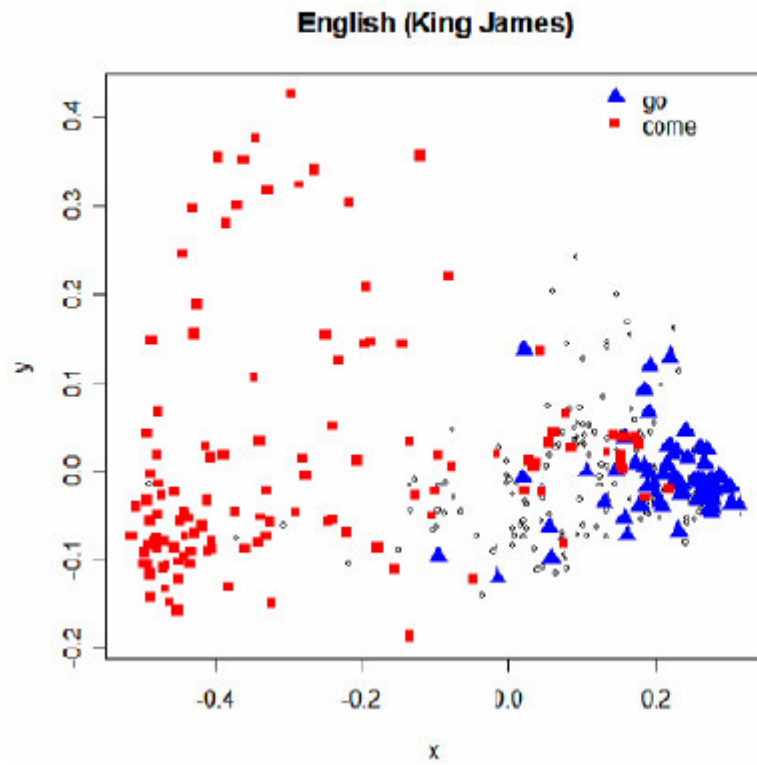
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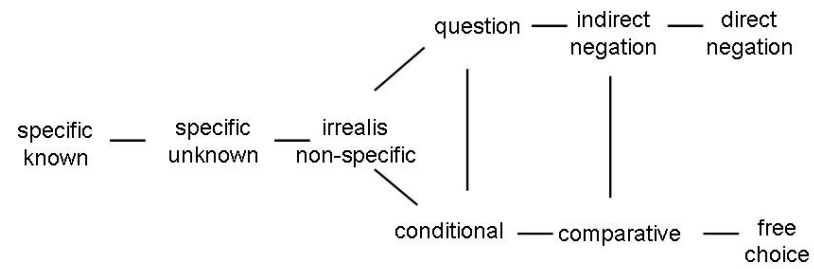
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Wälchli & Cysouw 2000: Verbs of movement

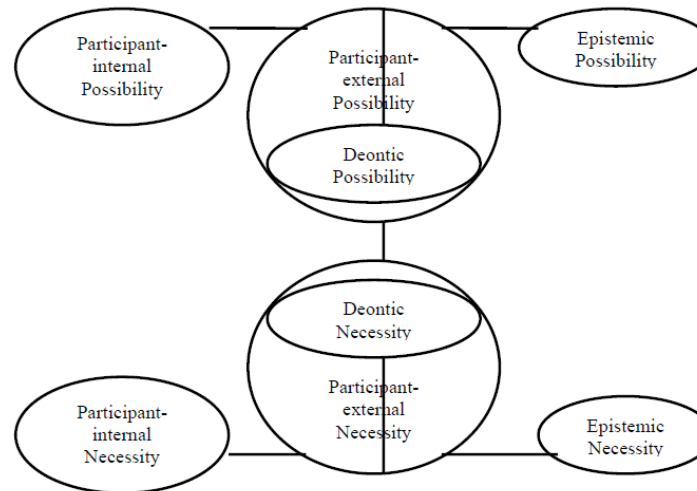




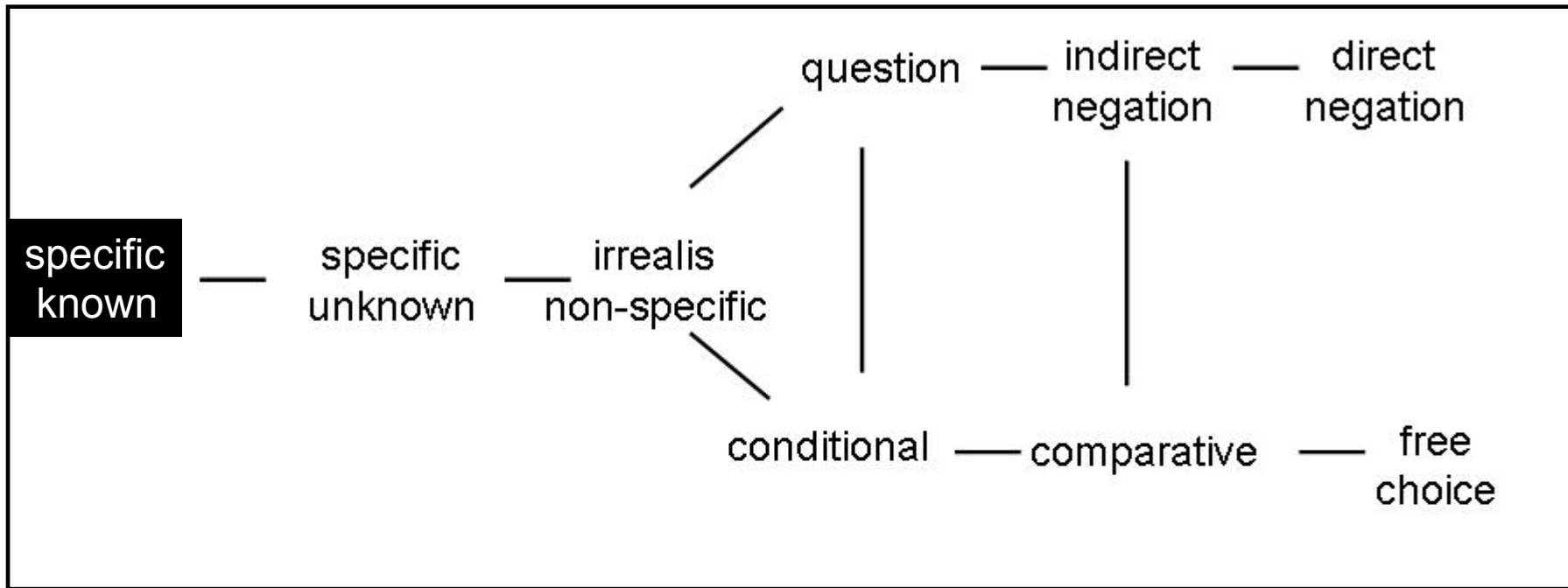
The semantic map for indefinites

Haspelmath, M. (1997)

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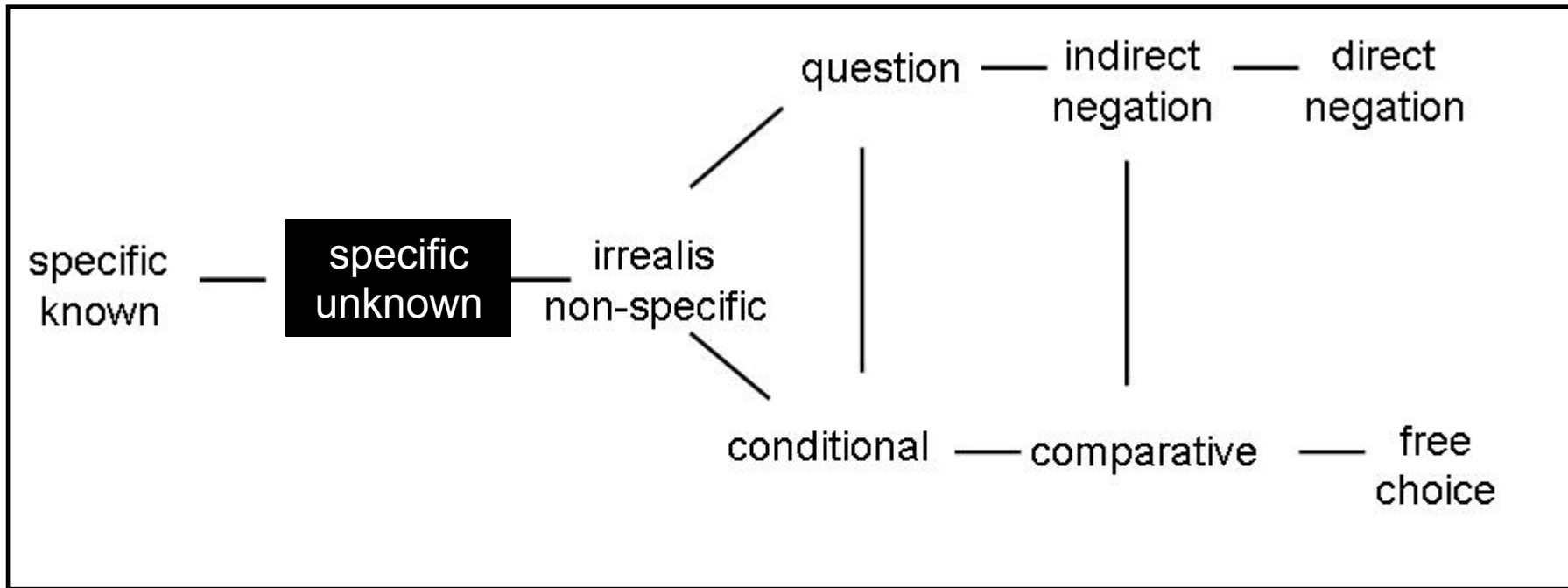


2. Synchronic typology



The semantic map for indefinites

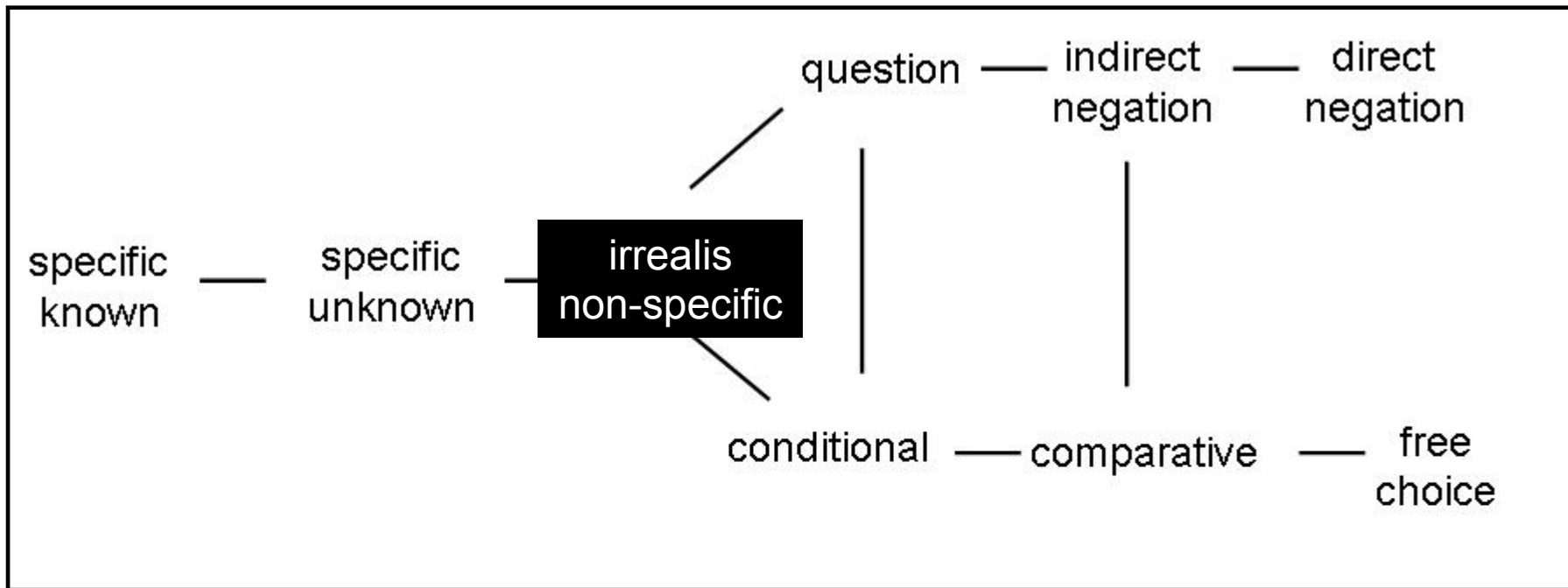
Somebody called you, guess who?



The semantic map for indefinites

Somebody called you, guess who?

Somebody called you, but I don't know who.

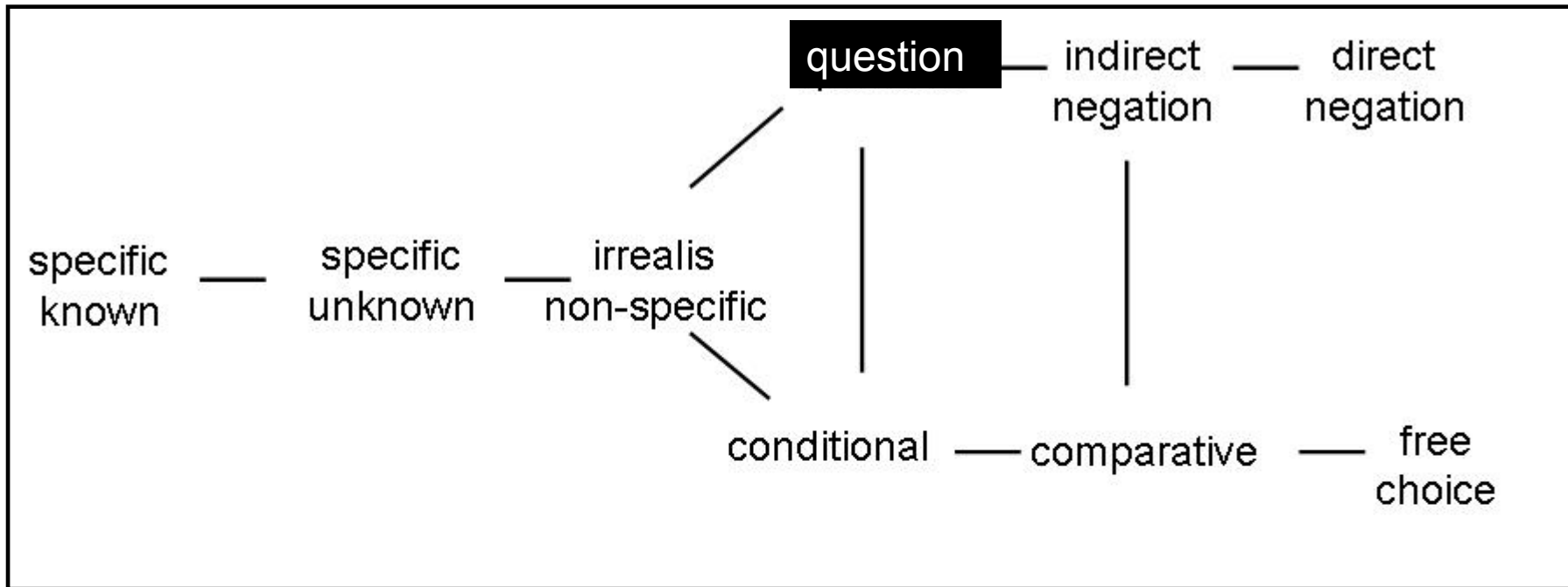


The semantic map for indefinites

Somebody called you, guess who?

Somebody called you, but I don't know who.

Just give it to somebody!



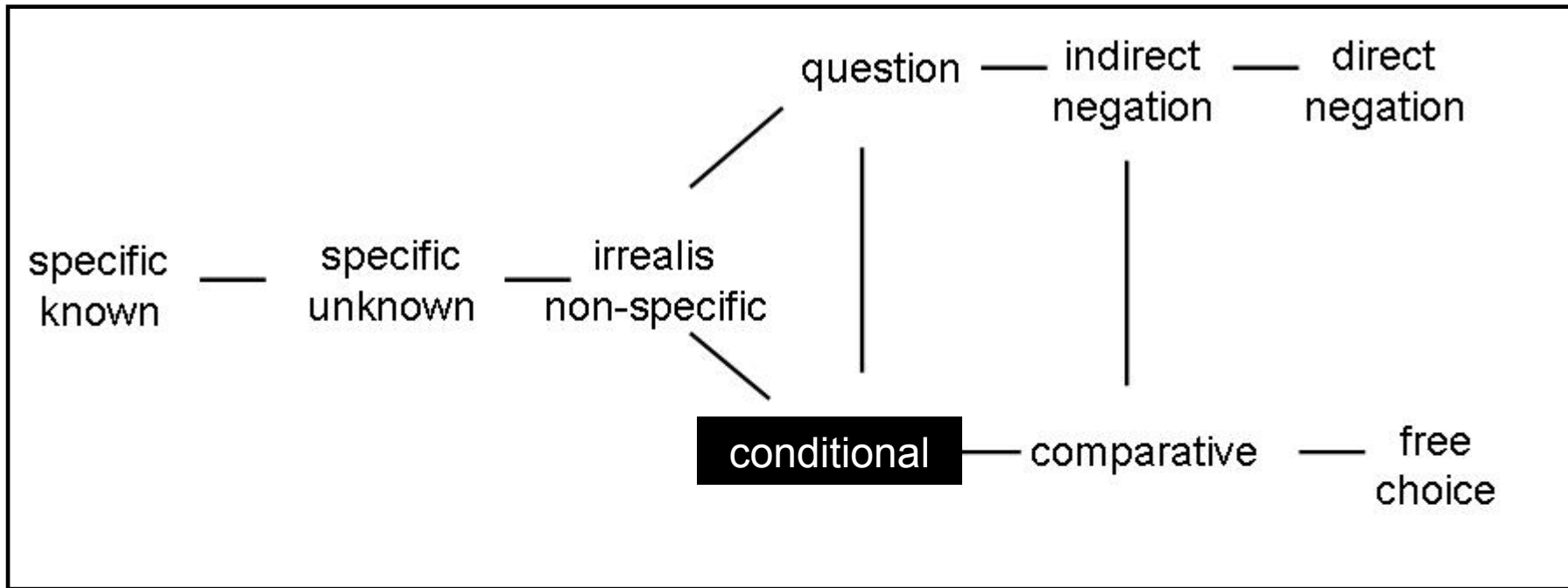
The semantic map for indefinites

Did somebody call?

Somebody called you, guess who?

Somebody called you, but I don't know who.

Just give it to somebody!



The semantic map for indefinites

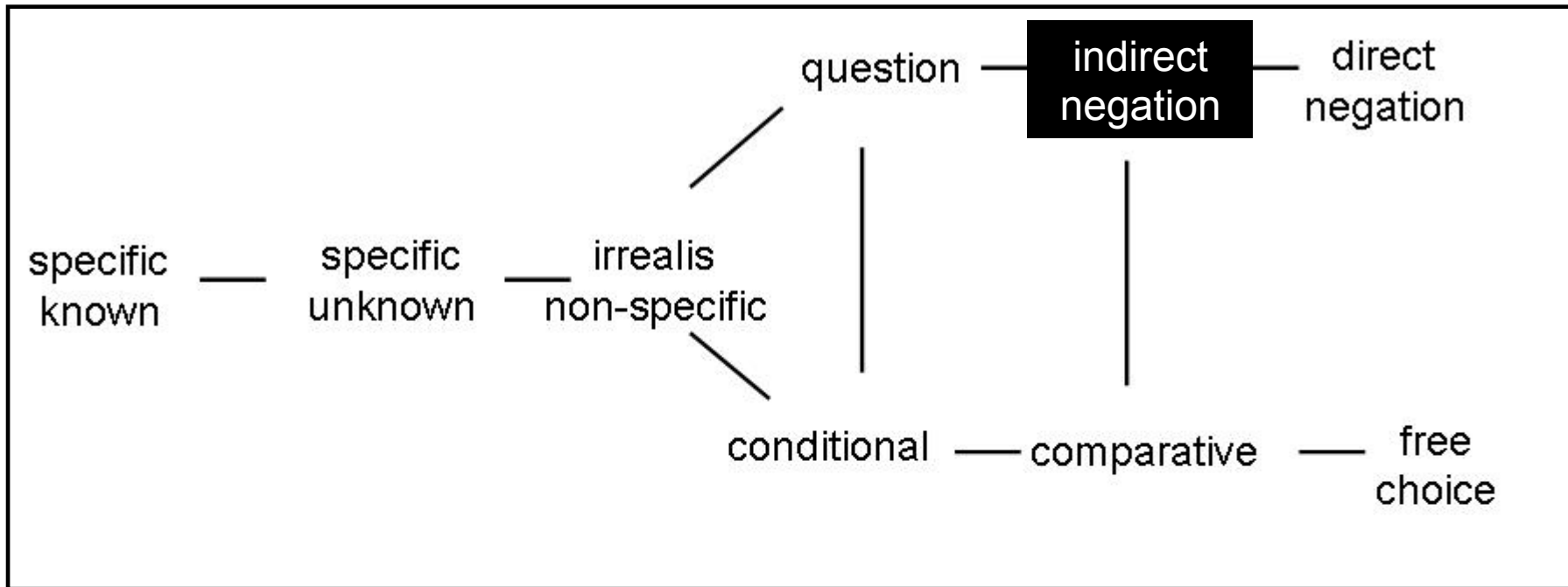
Did somebody call?

Somebody called you, guess who?

Somebody called you, but I don't know who.

Just give it to somebody!

If somebody calls, then tell him this.



The semantic map for indefinites

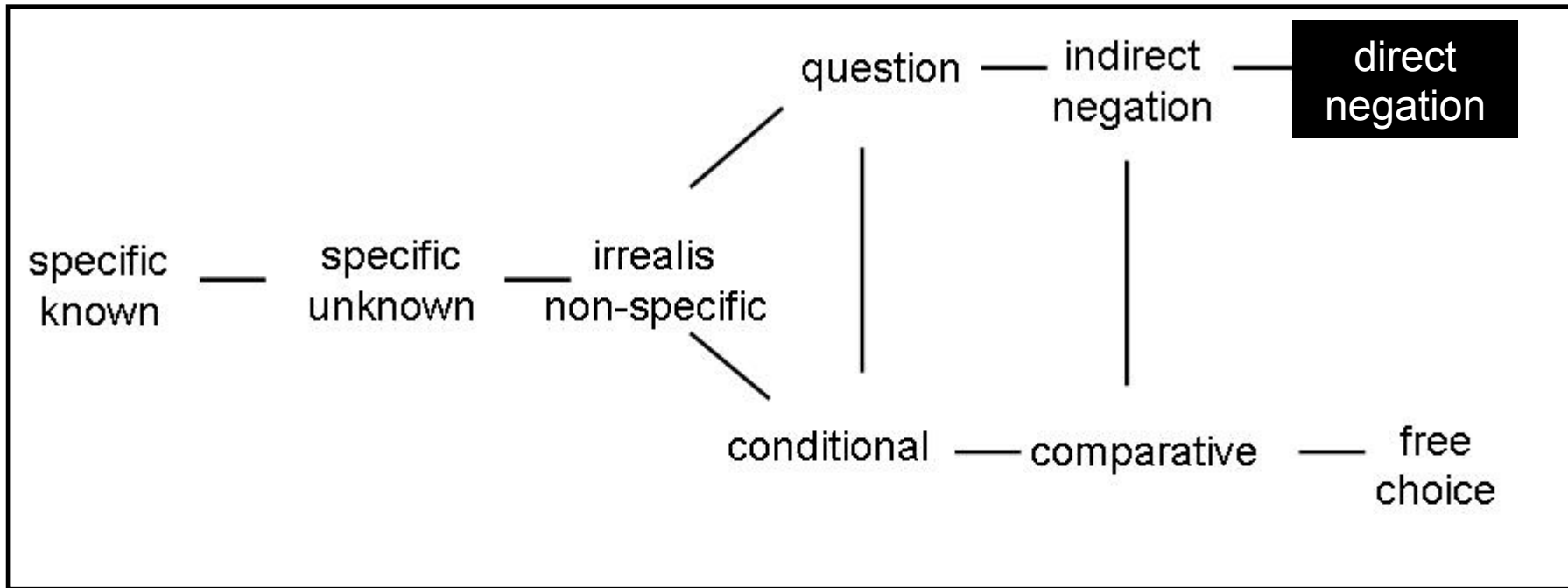
Did somebody call?

Somebody called you, guess who?

I don't think that anybody called.

Somebody called you, but I don't know who.

Just give it to somebody! *If somebody calls, then tell him this.*



The semantic map for indefinites

Did somebody call?

Nobody called.

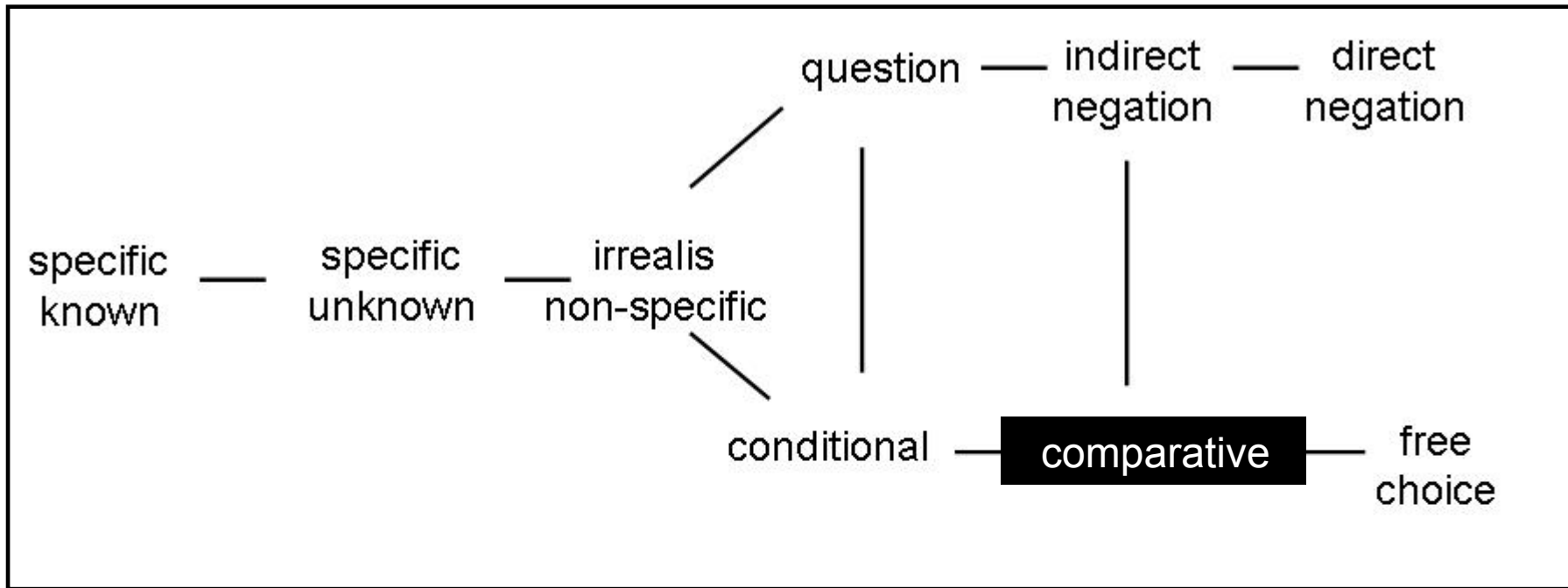
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The semantic map for indefinites

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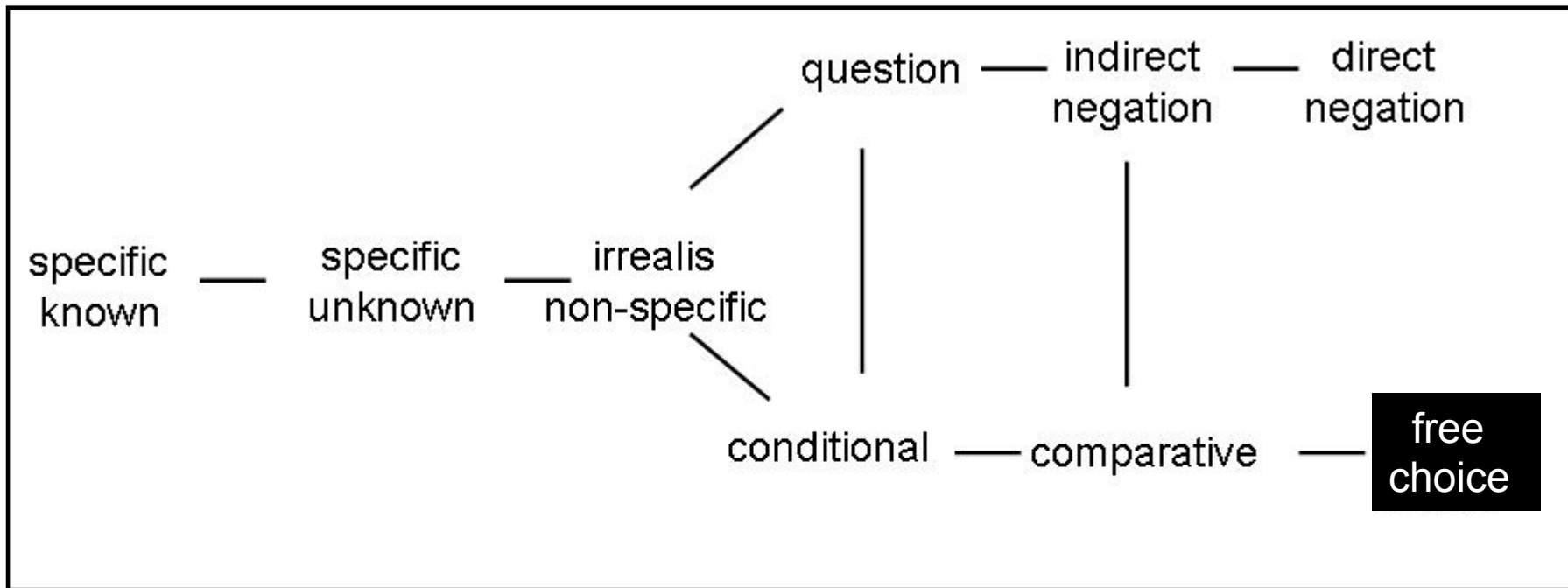
I don't think that anybody called.

Somebody called you, but I don't know who.

He calls more often than anybody I know.

Just give it to somebody!

If somebody calls, then tell him this.



The semantic map for indefinites

Did somebody call?

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Somebody called you, guess who?

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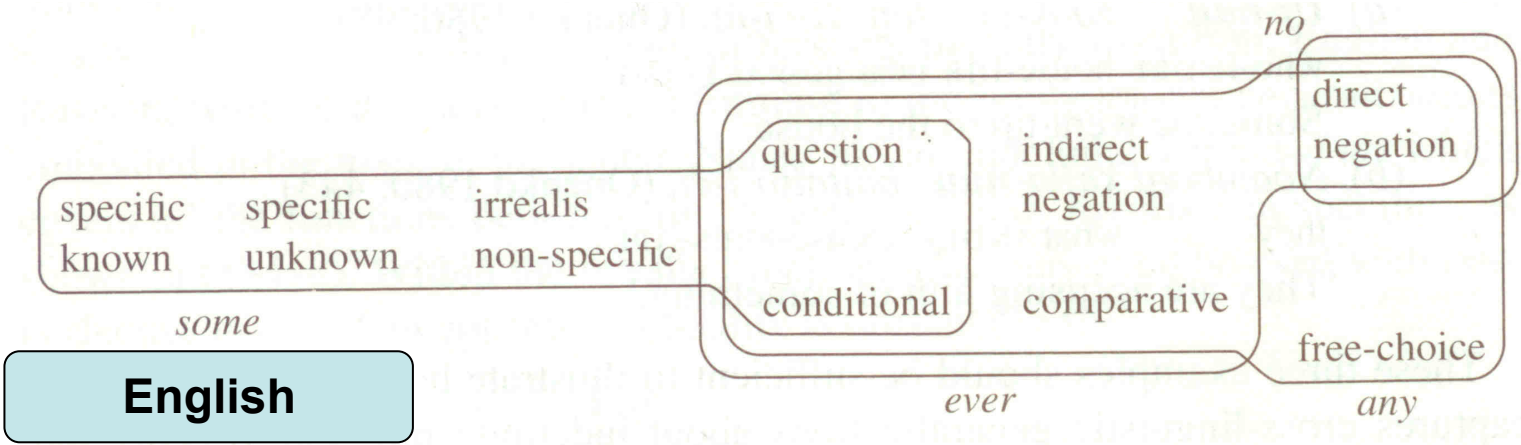
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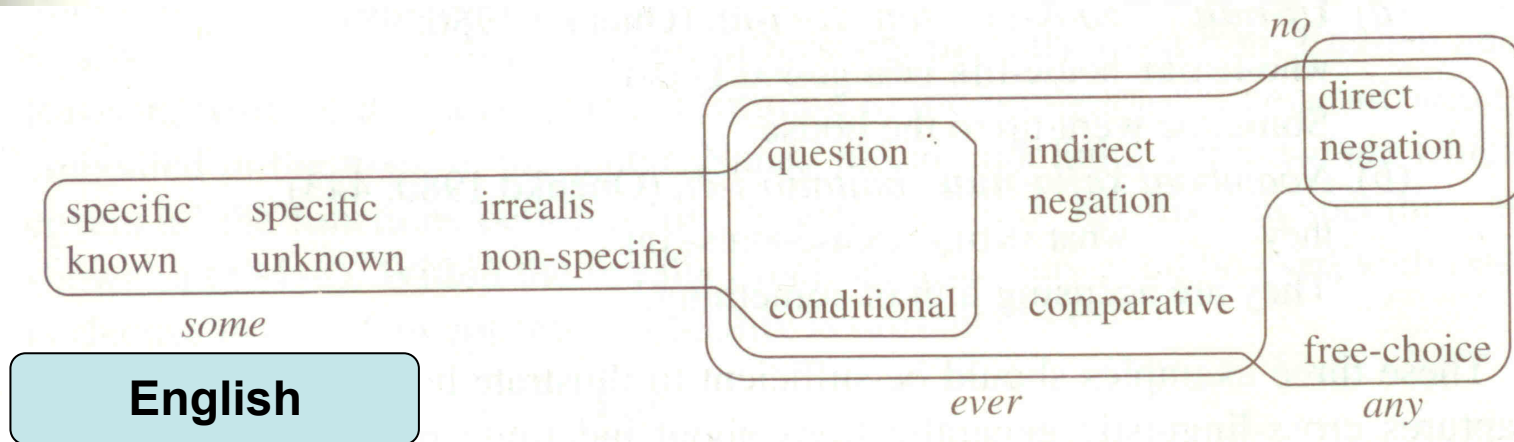
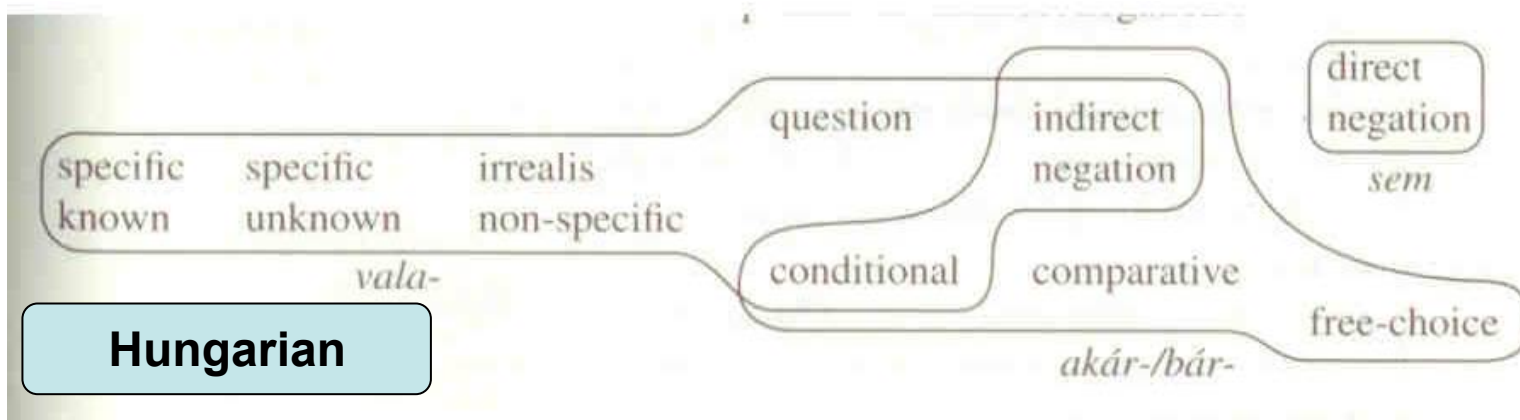
Just give it to somebody!

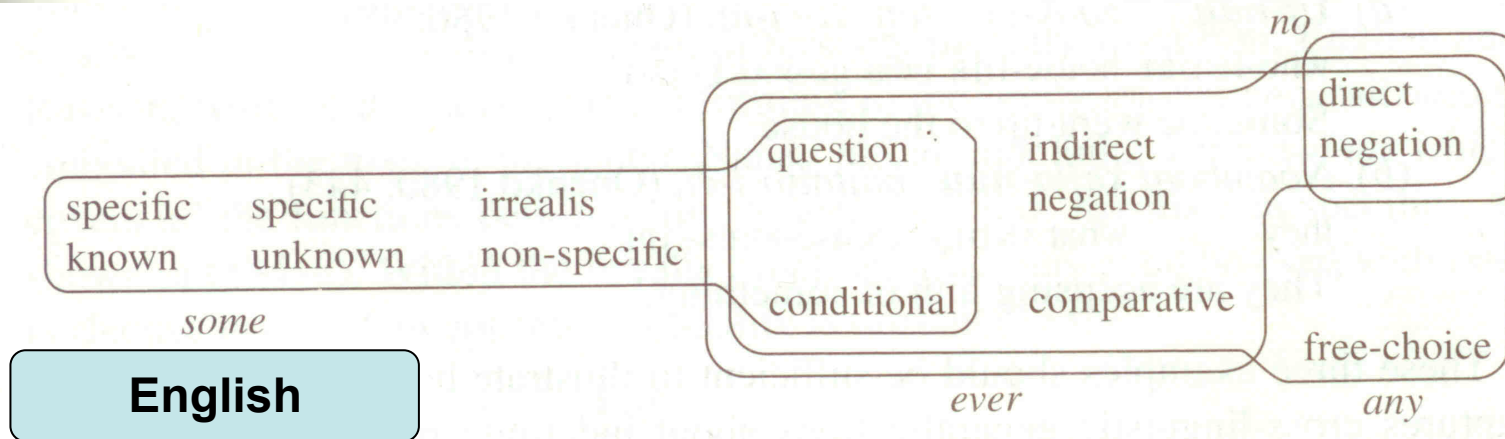
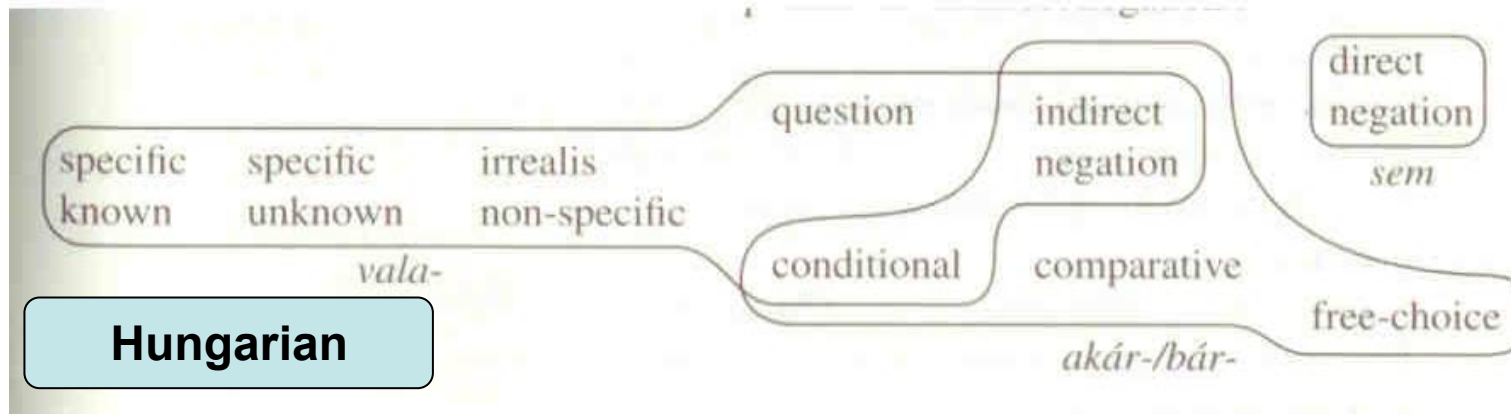
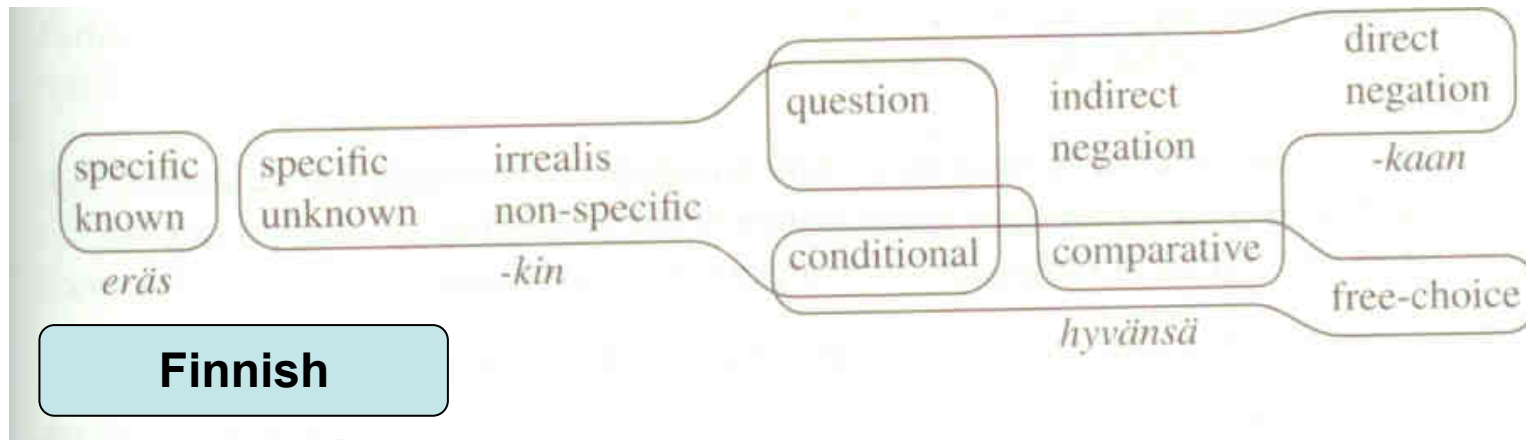
If somebody calls, then tell him this.

Anybody could call.

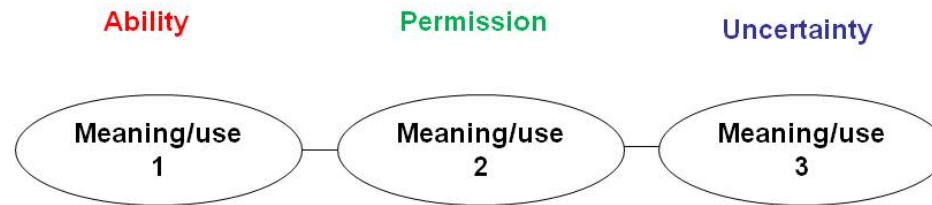


English





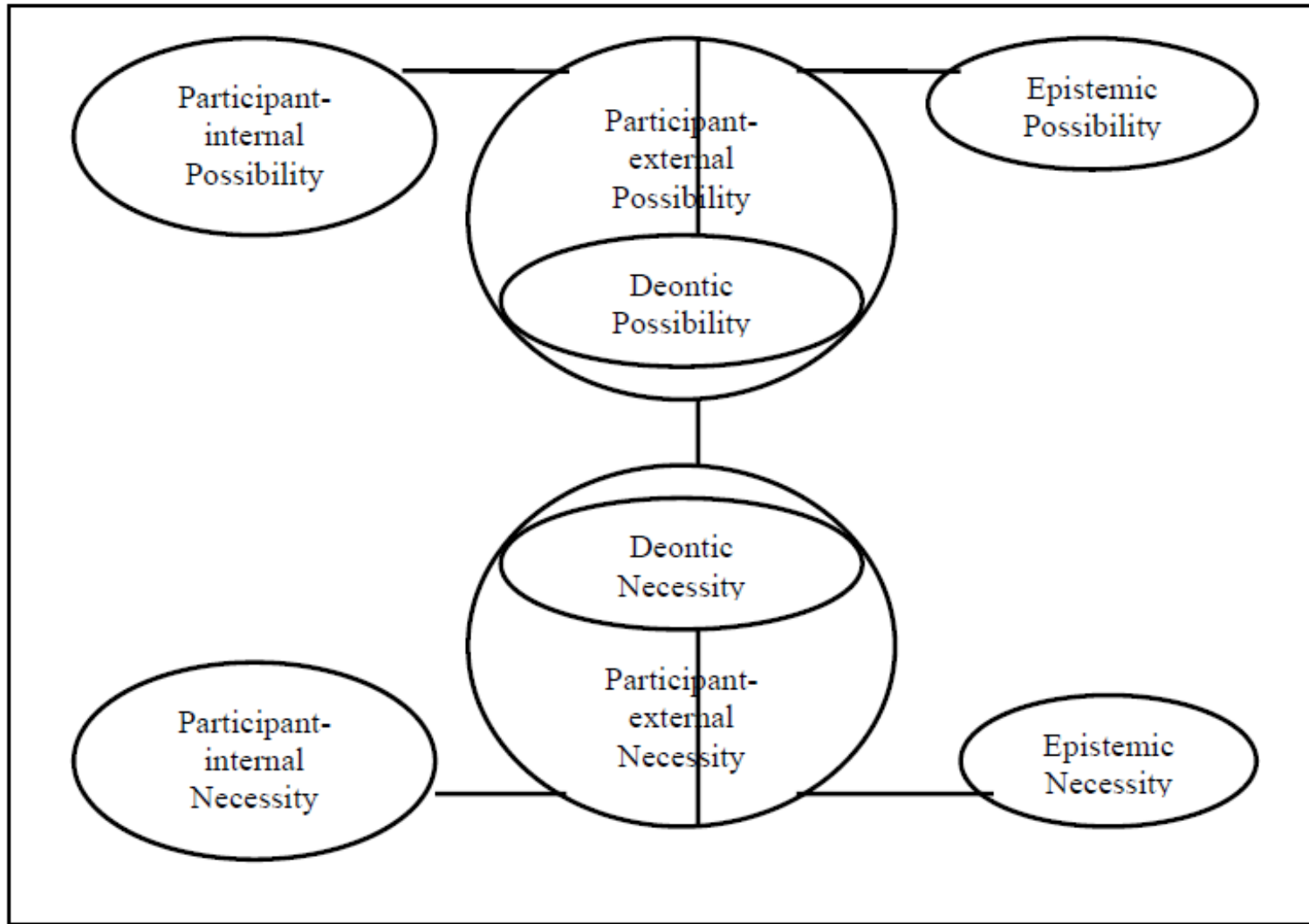
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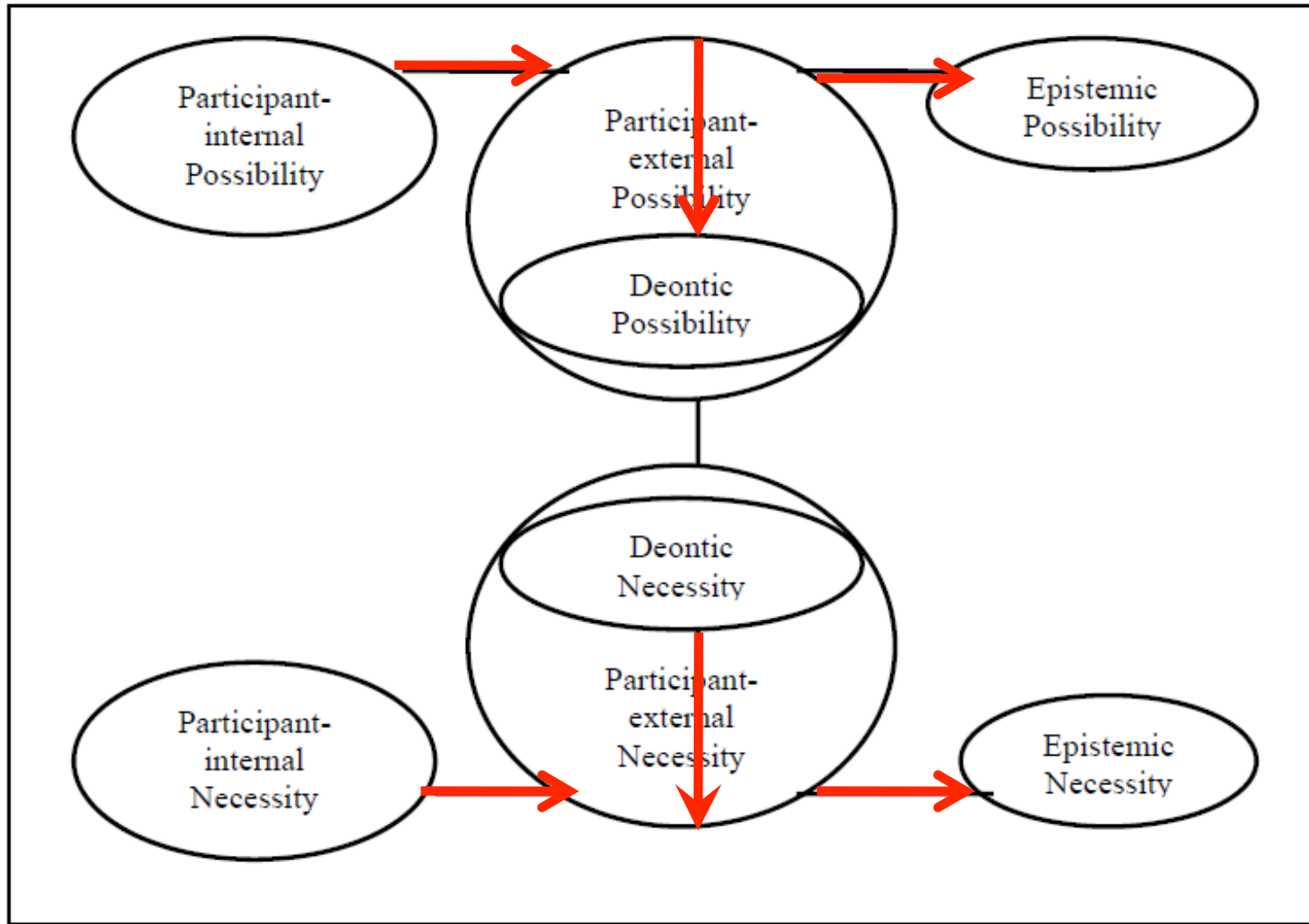


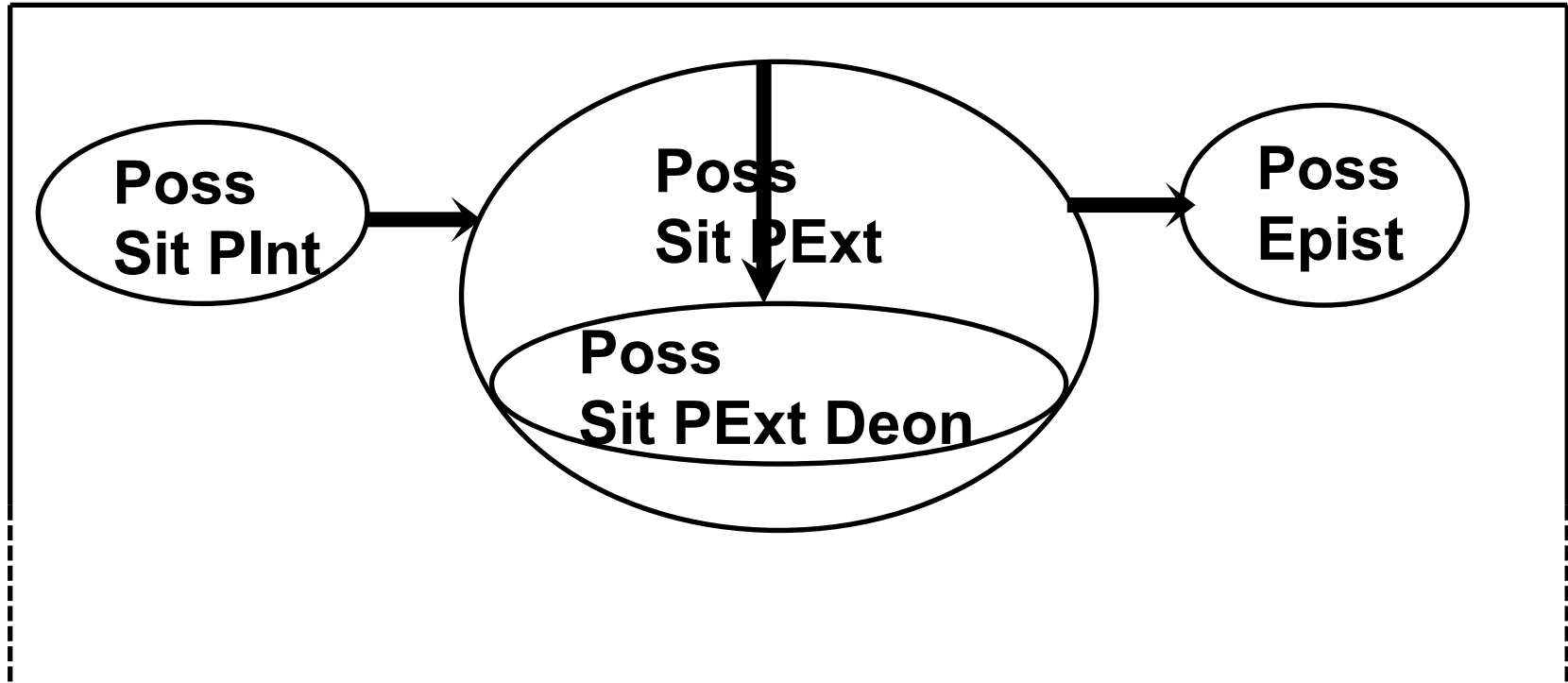
When he was young, he **could** speak Chinese.

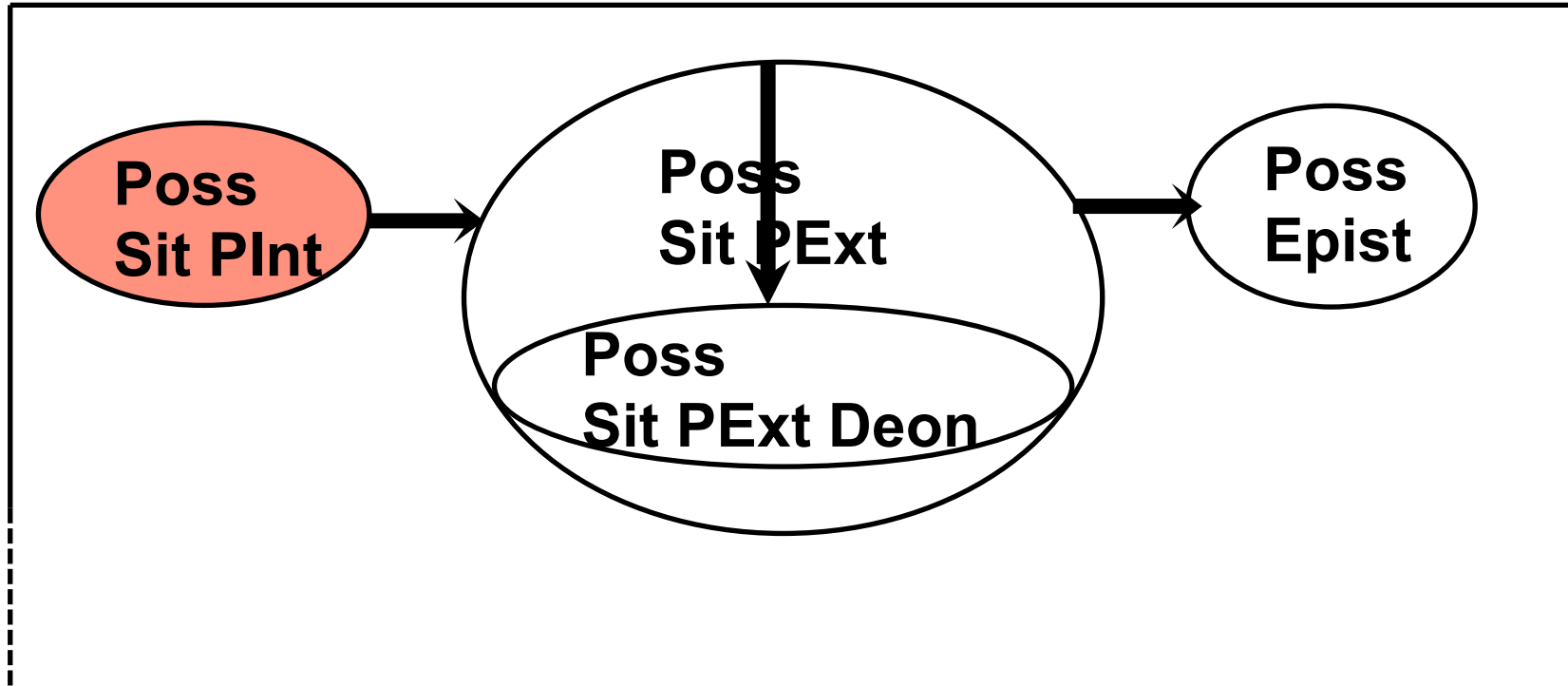
He **could** leave any time he wanted.

He **could** be home now.

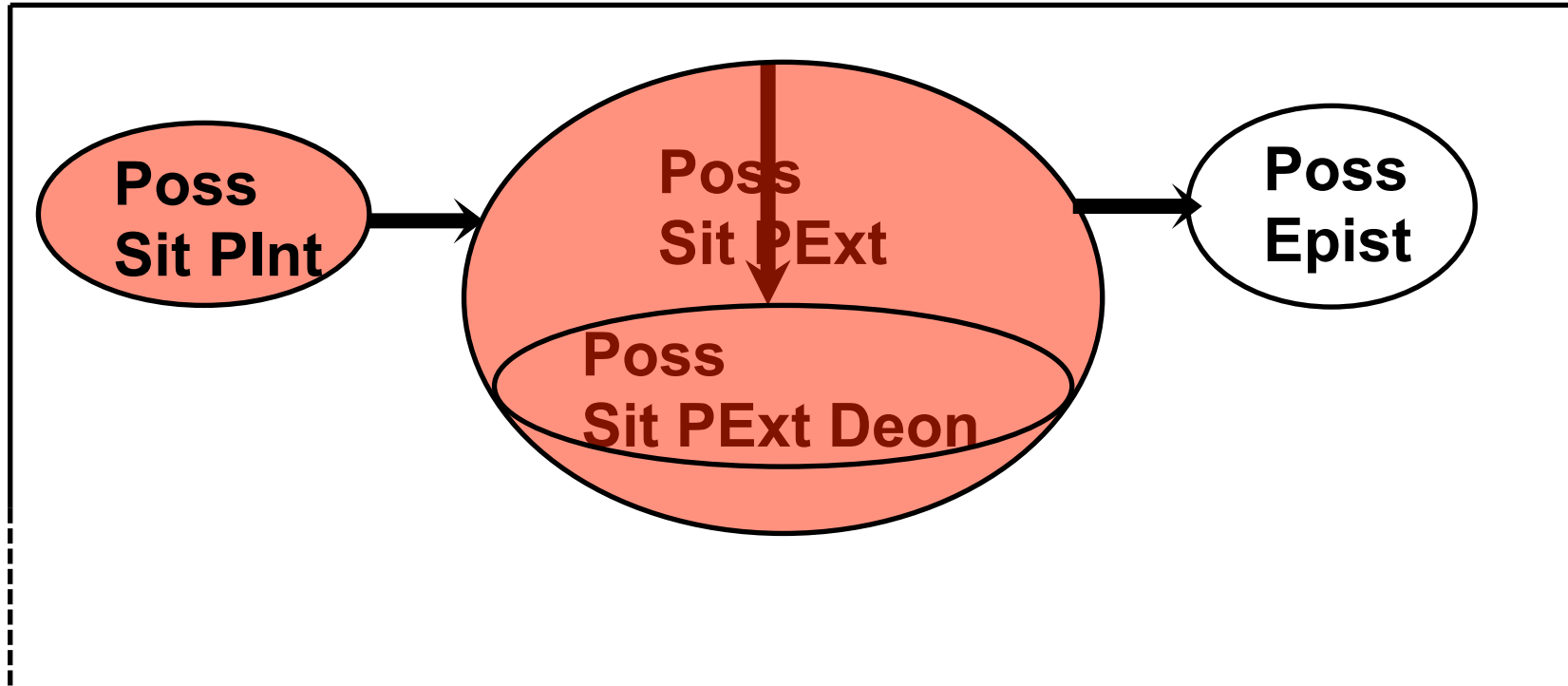




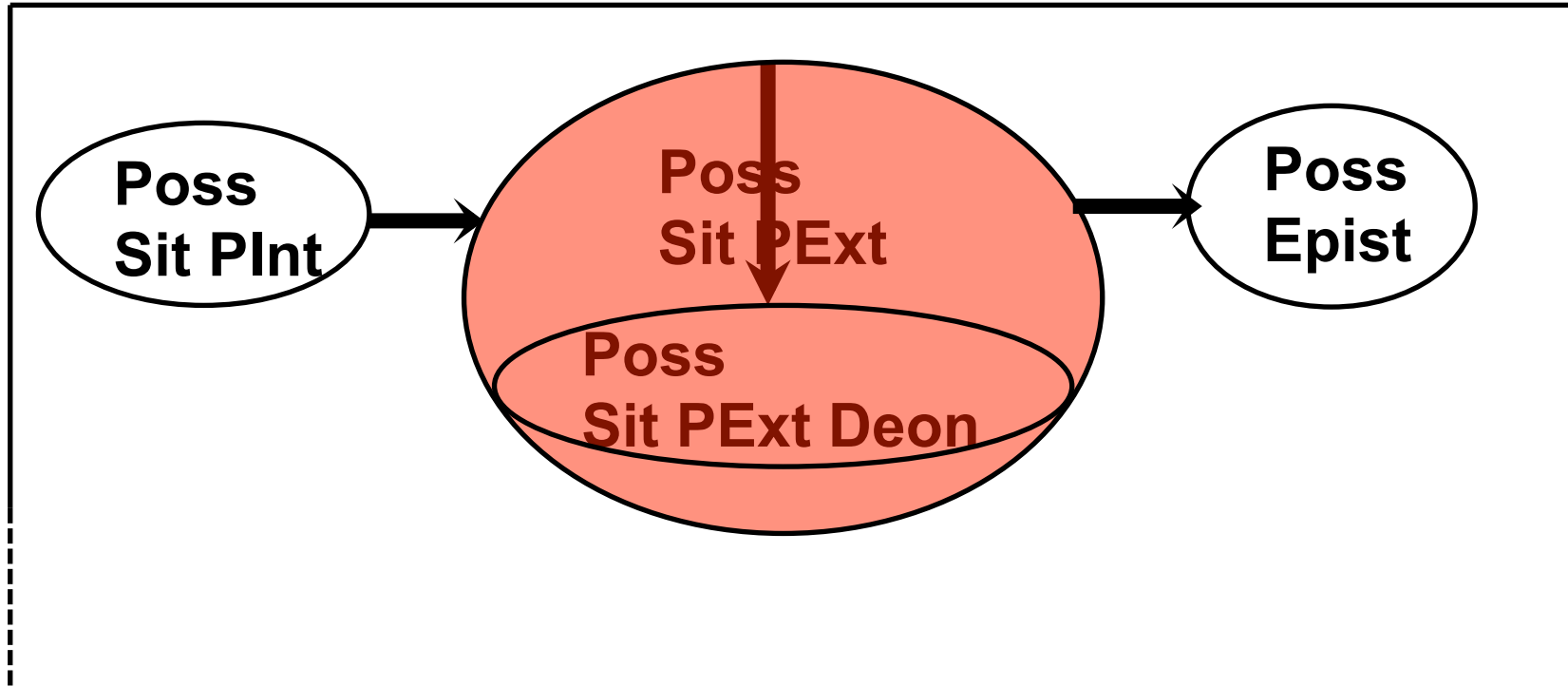




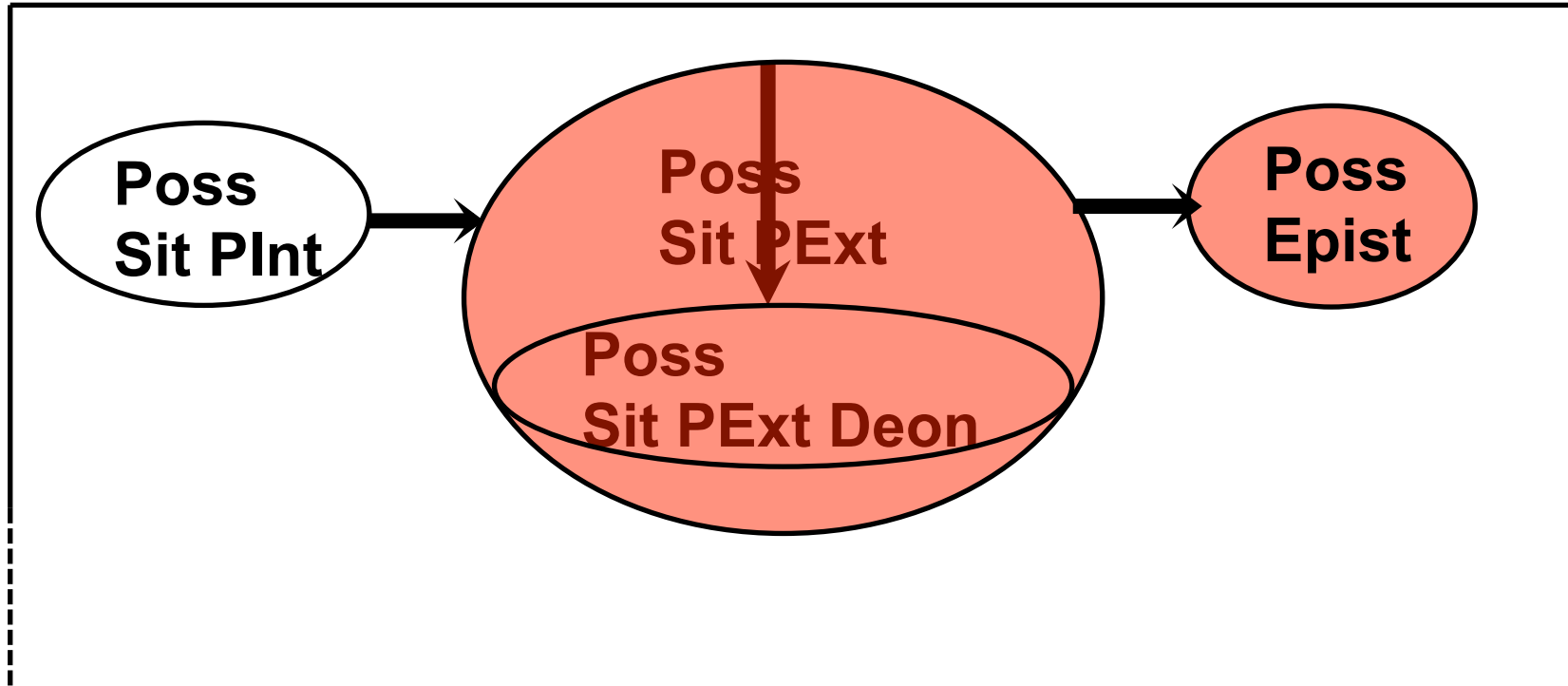
may



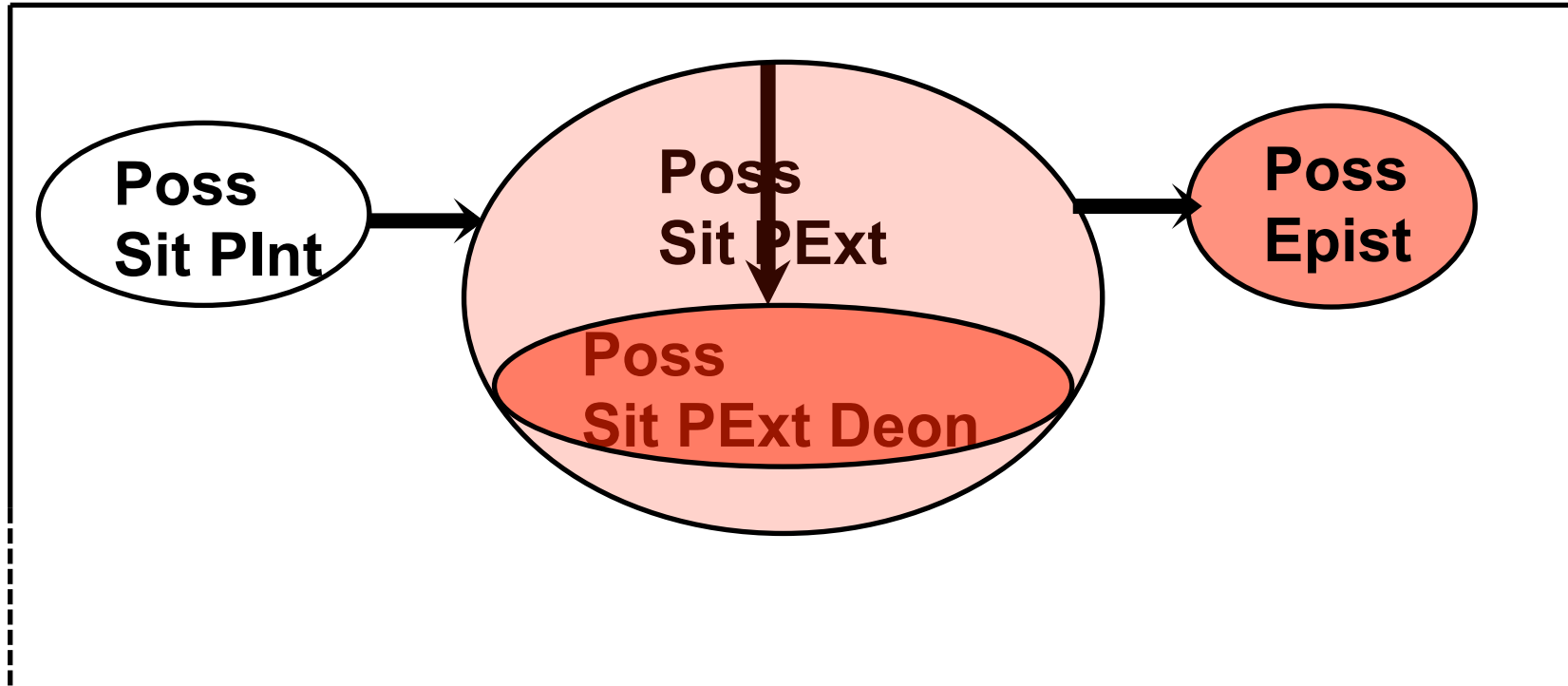
may



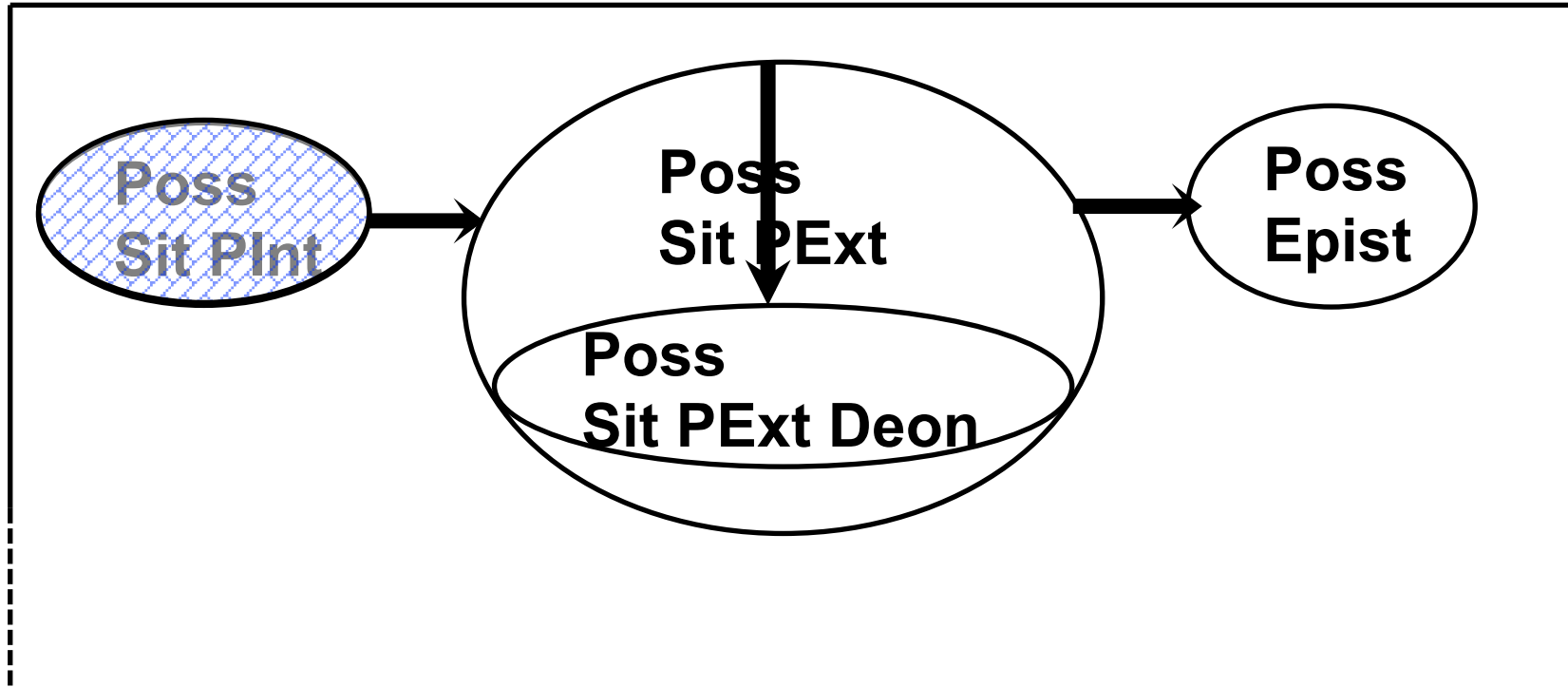
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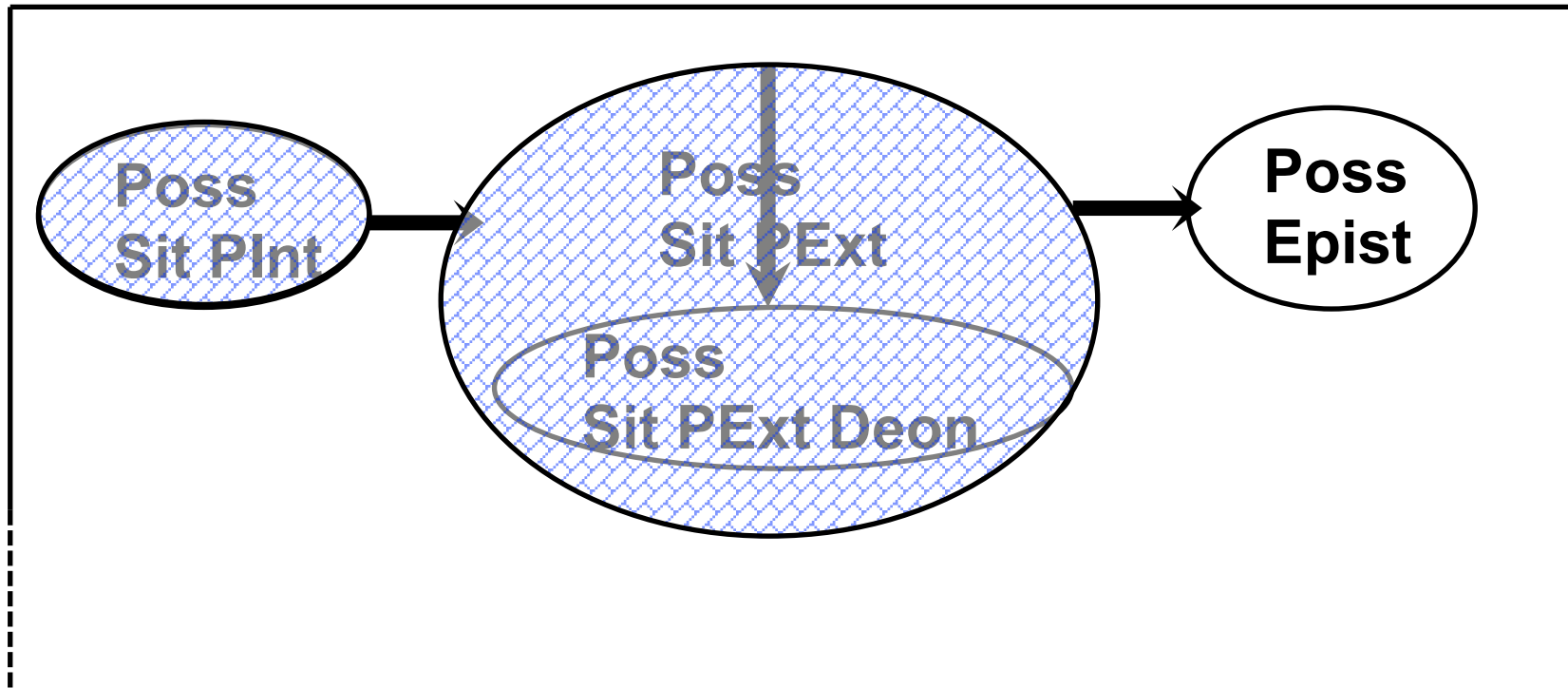
may



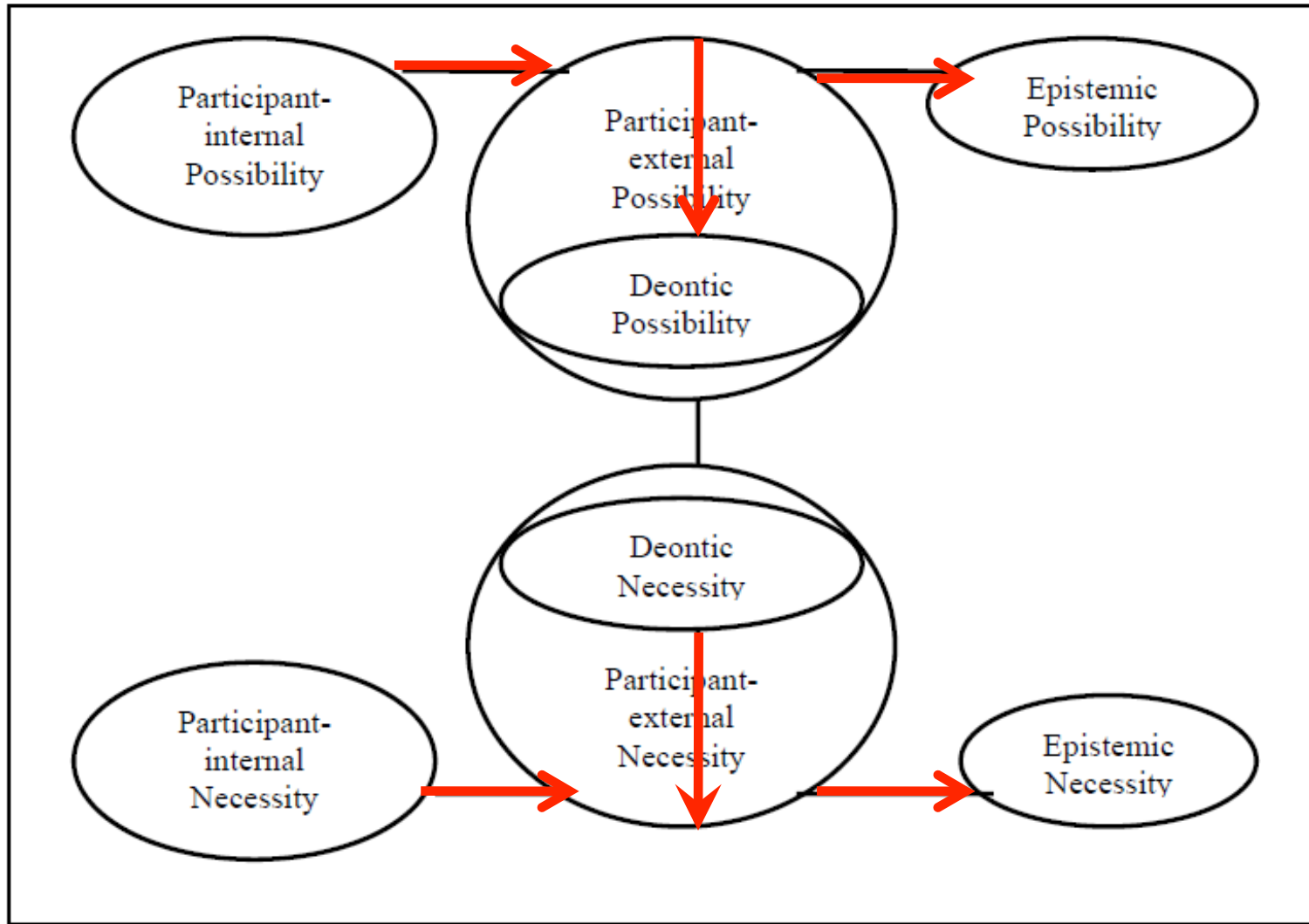
may

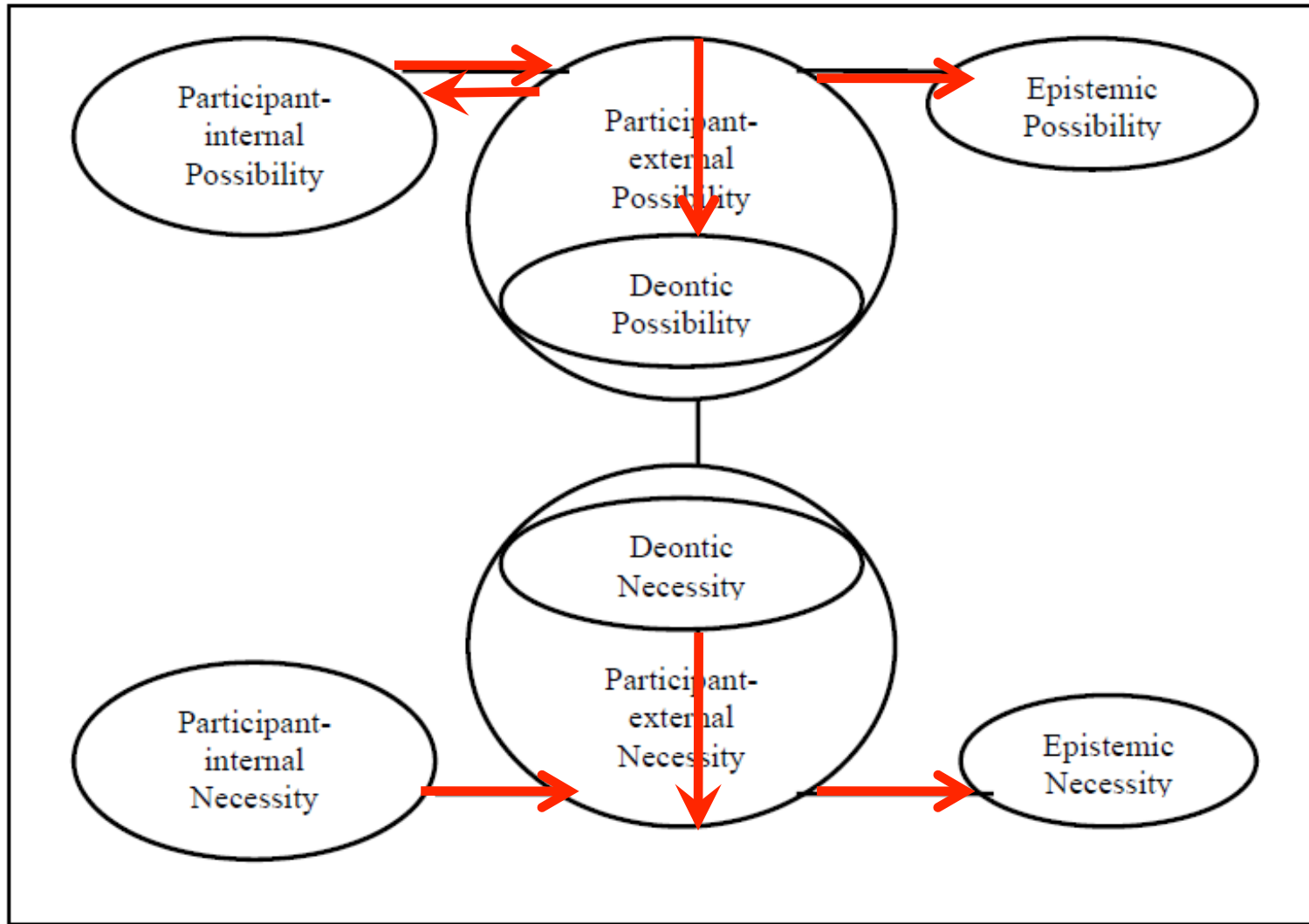


can

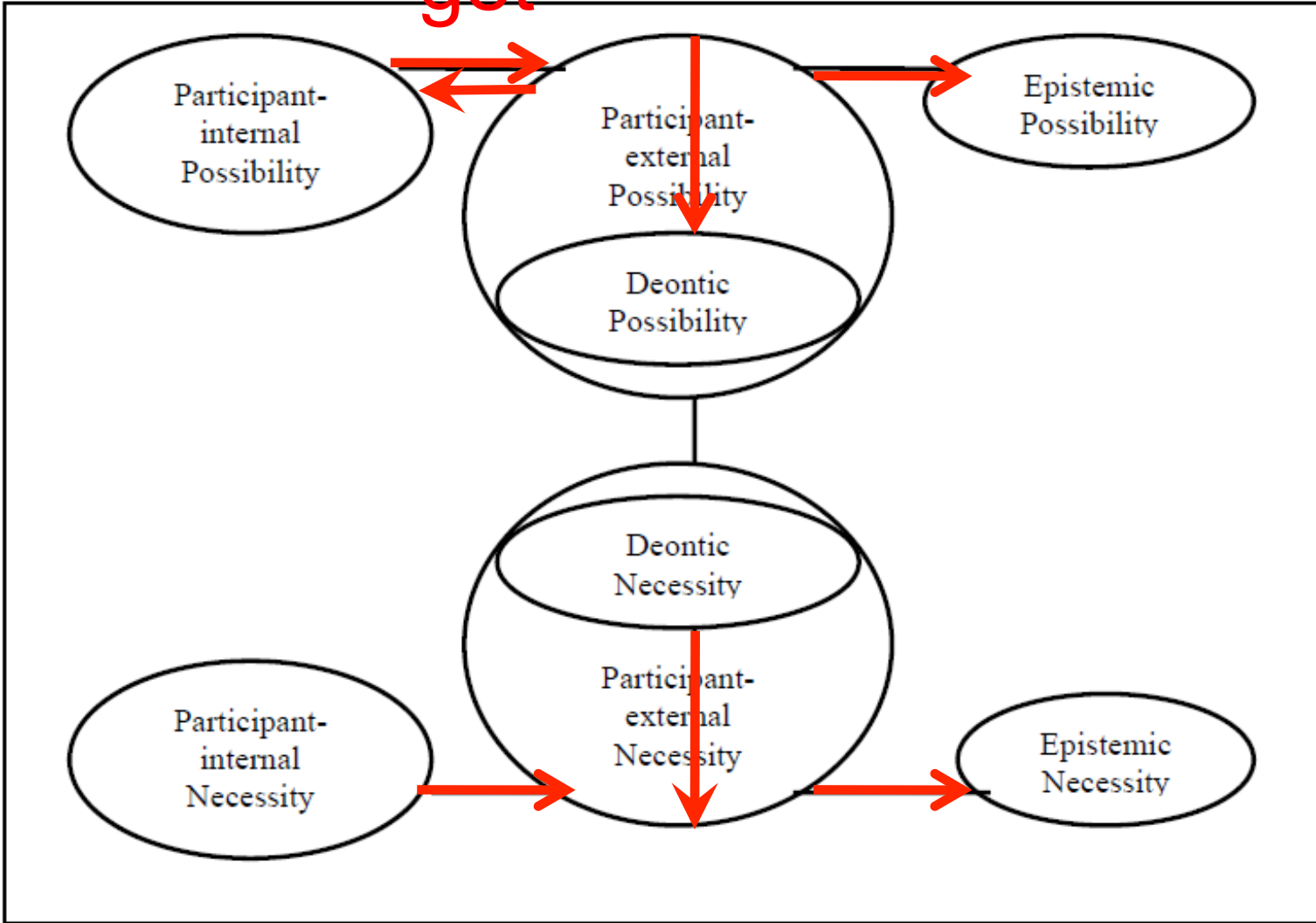


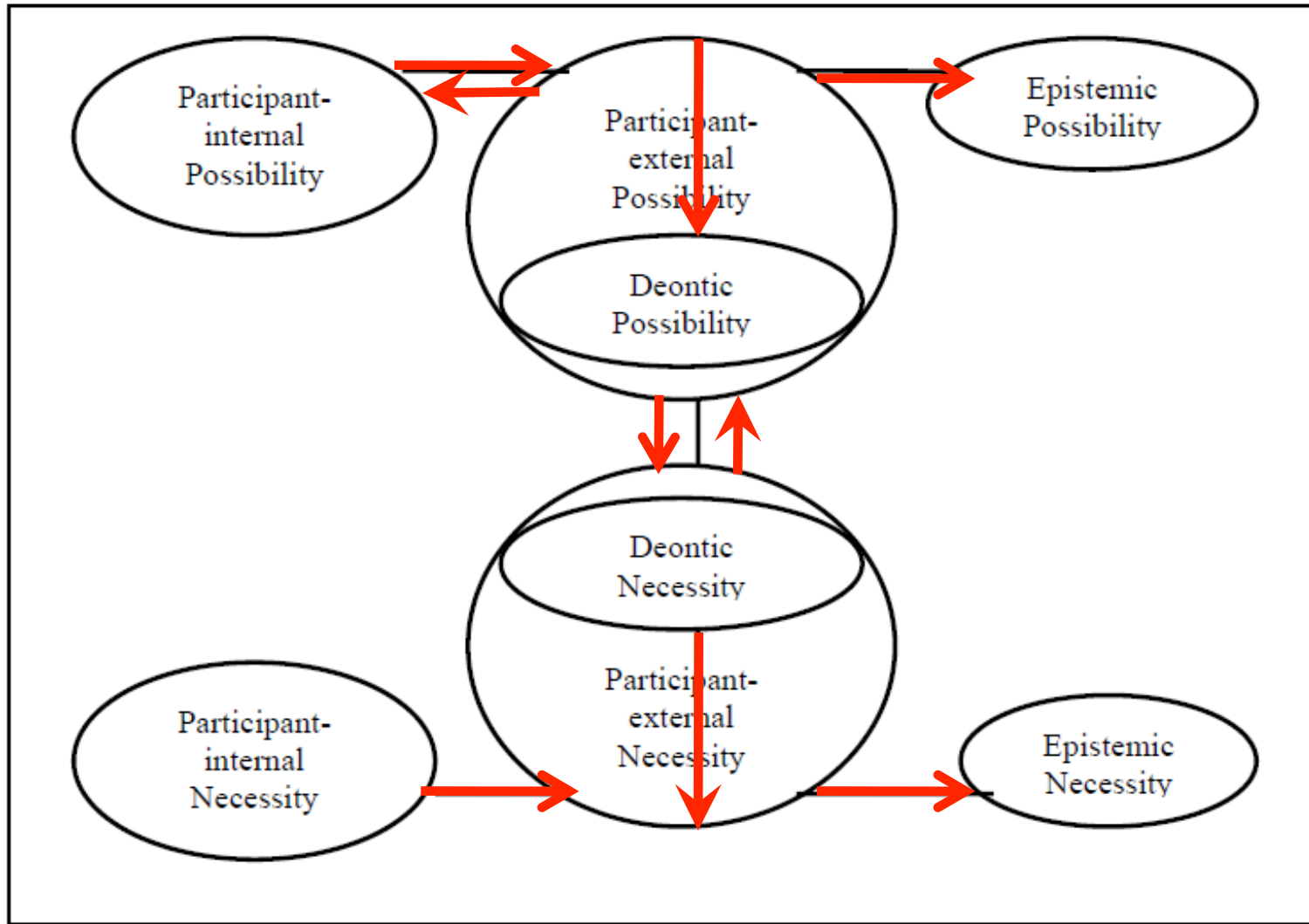
can

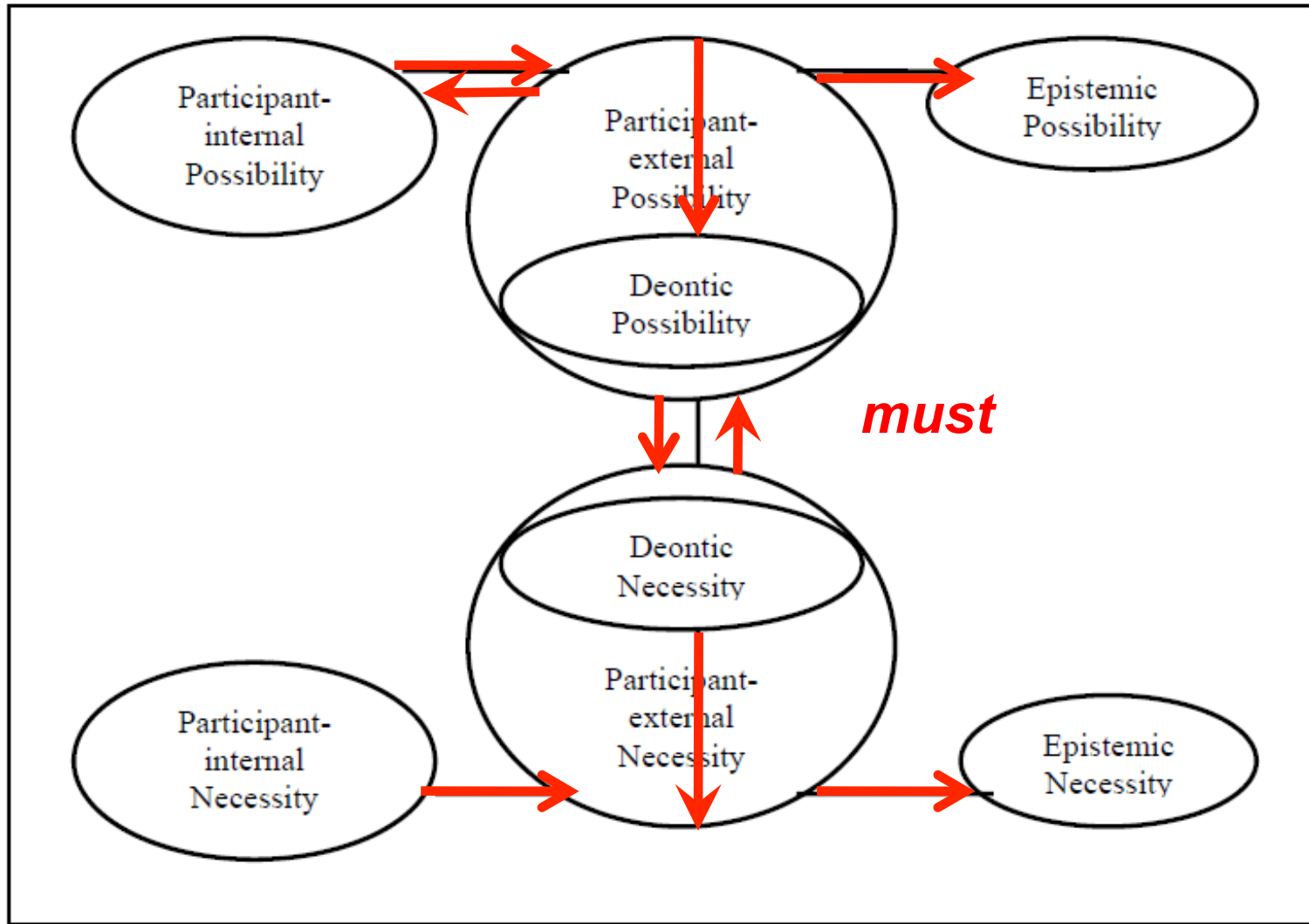




'get'



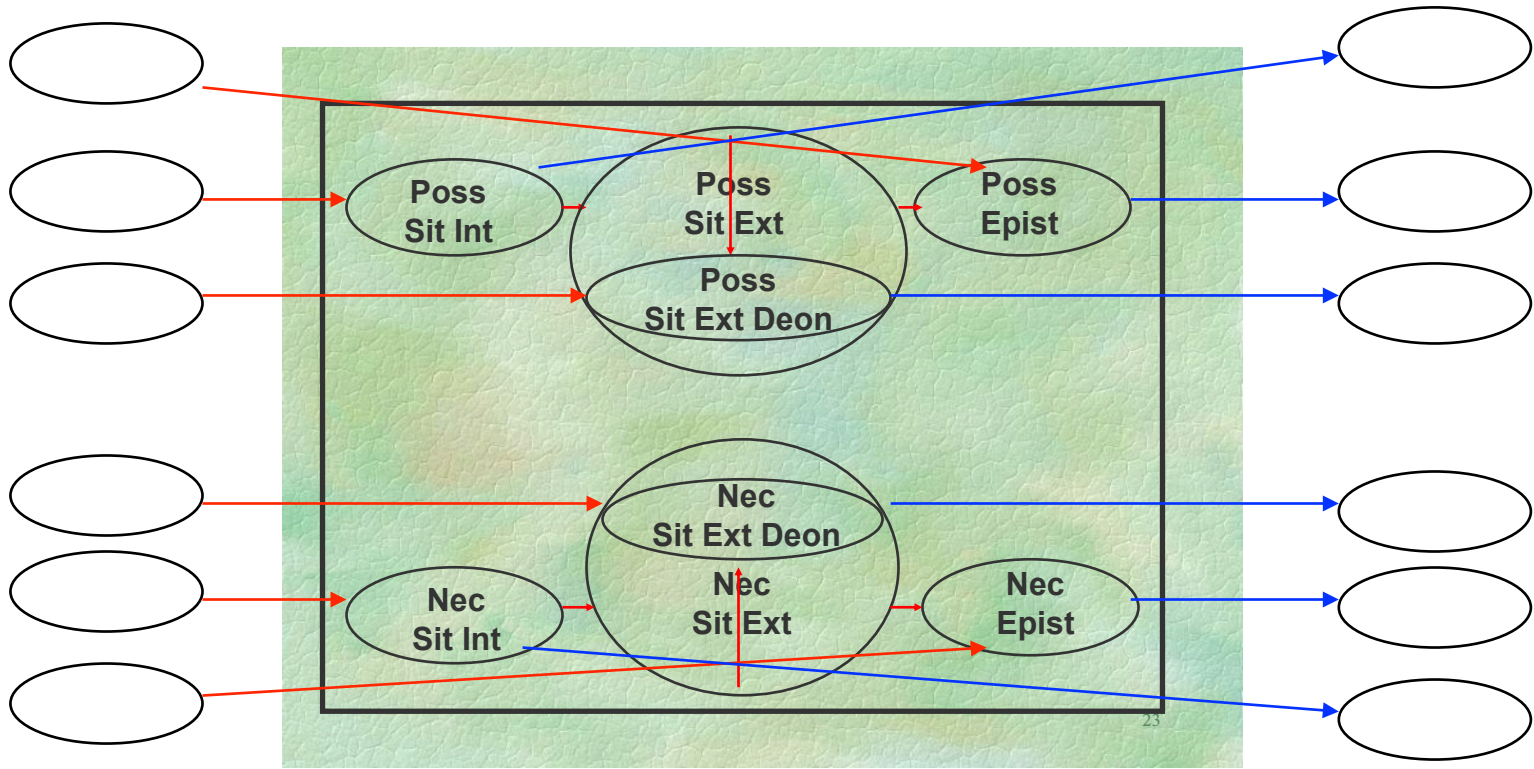




Premodal

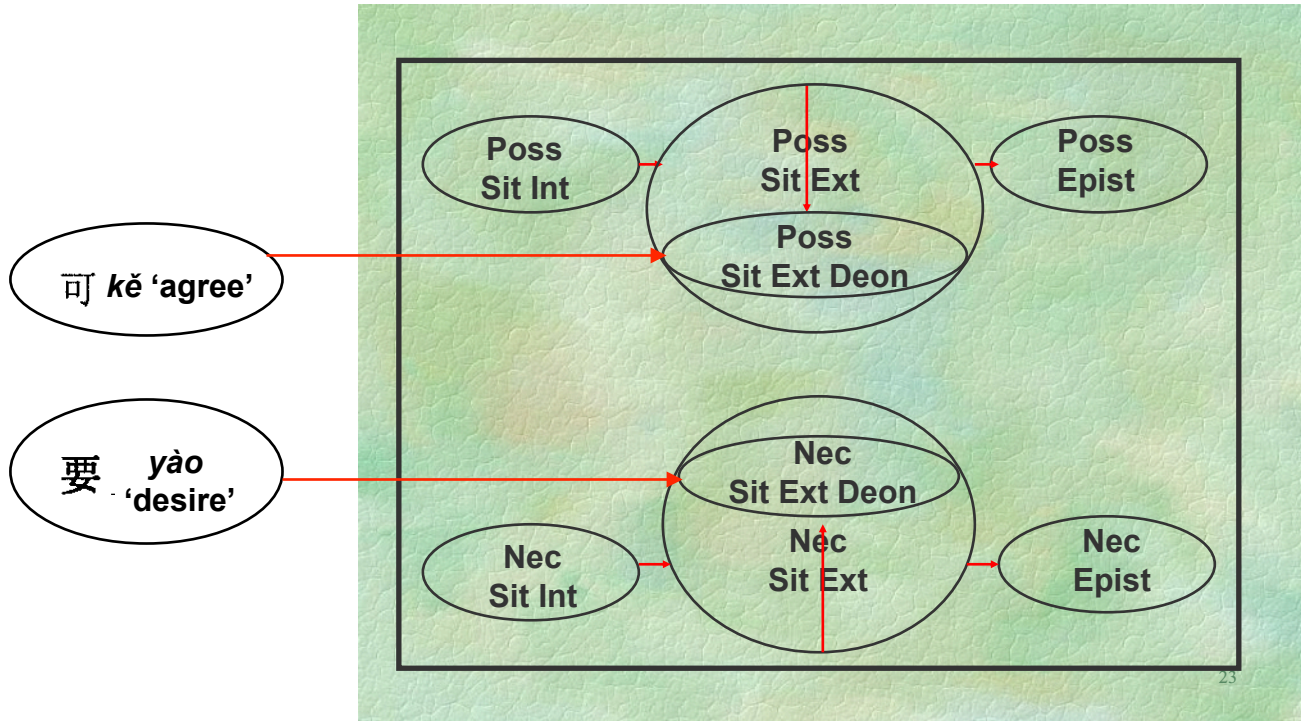
Modal

Postmodal



Premodal

Modal



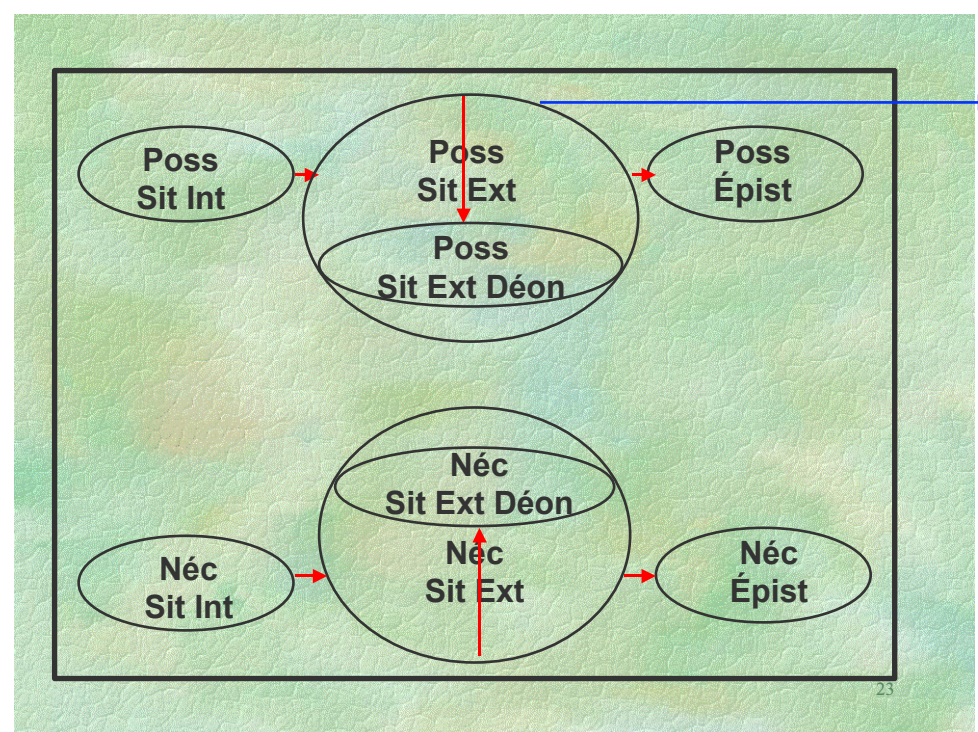


May he live a hundred years!

Premodal

Modal

Postmodal



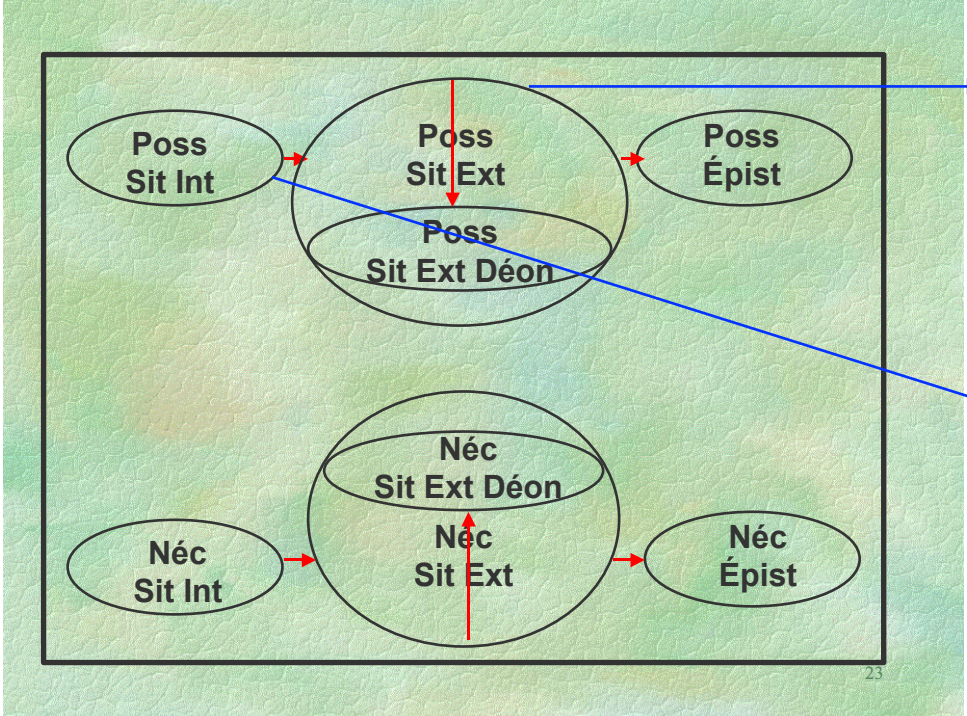


I mog di.
Ich mag dich.
I may you.
‘I like you.’

Premodal

Modal

Postmodal



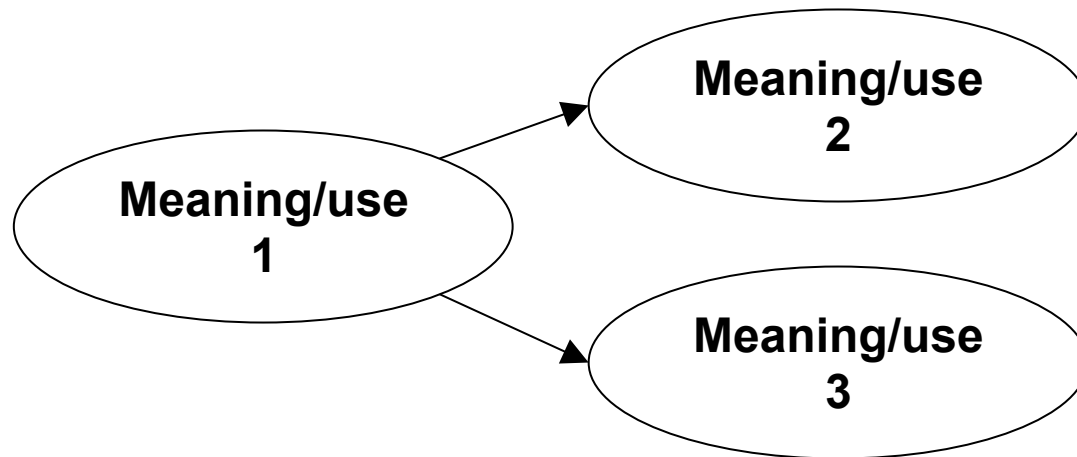
Three important remarks

- 1. A more refined version of the contiguity/adjacency requirement**

Three important remarks

1. A more refined version of the contiguity/adjacency requirement

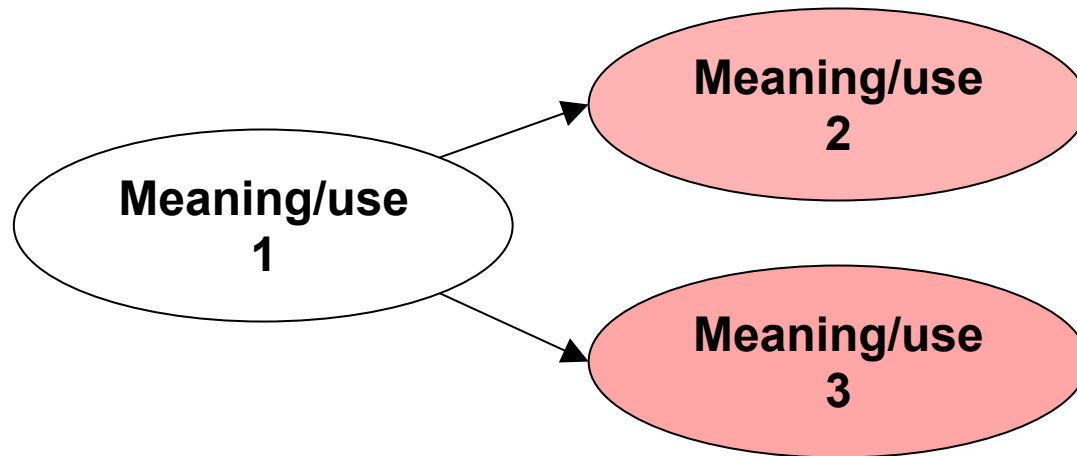
Lack of contiguity allowed if common ancestor



Three important remarks

1. A more refined version of the contiguity/adjacency requirement

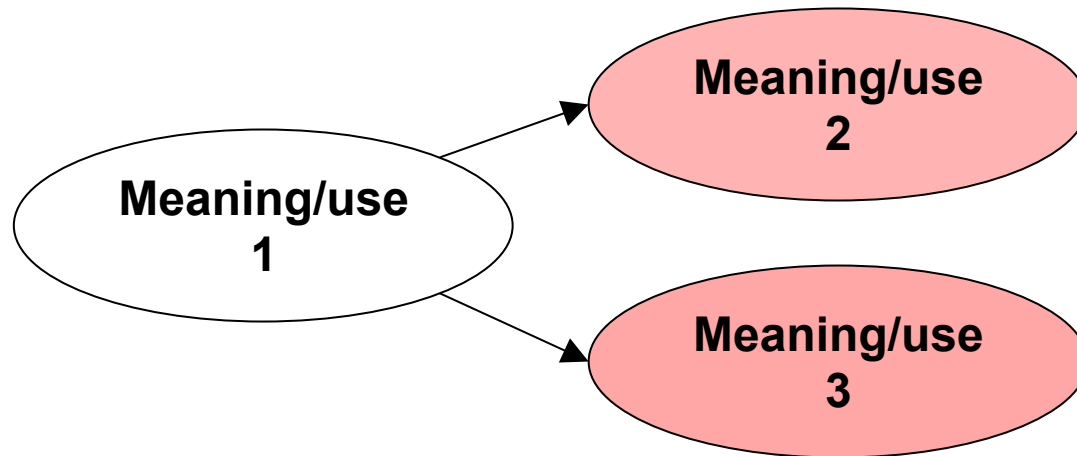
Lack of contiguity allowed if common ancestor



Three important remarks

1. A more refined version of the contiguity/adjacency requirement

Lack of contiguity allowed if common ancestor



May he live a hundred years!

He may be English, but he is not brave.

Three important remarks

2. Next to polysemy, there is homonymy

Three important remarks

2. Next to polysemy, there is homonymy

I gotta watch TV tonight.

I got to watch TV last night.

Three important remarks

2. Next to polysemy, there is homonymy

I gotta watch TV tonight.

< *have got*

I got to watch TV last night.

Simple past to *get to*

Three important remarks

2. Next to polysemy, there is homonymy

I gotta watch TV tonight.

Necessity Present

< *have got*

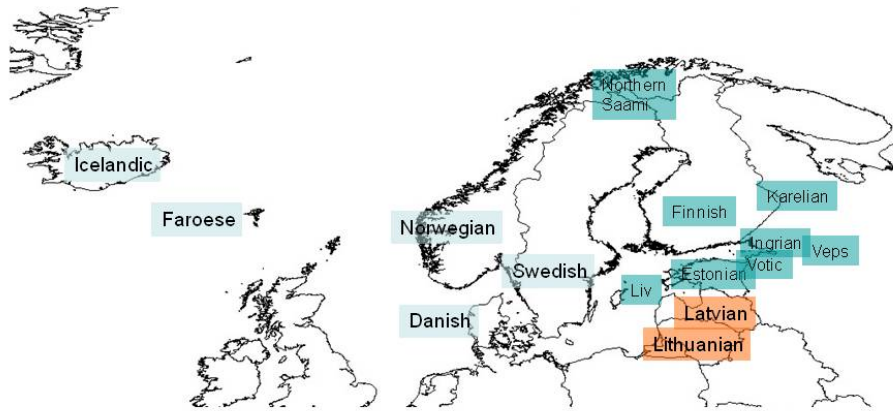
Possibility Past

I got to watch TV last night.

Simple past to *get to*

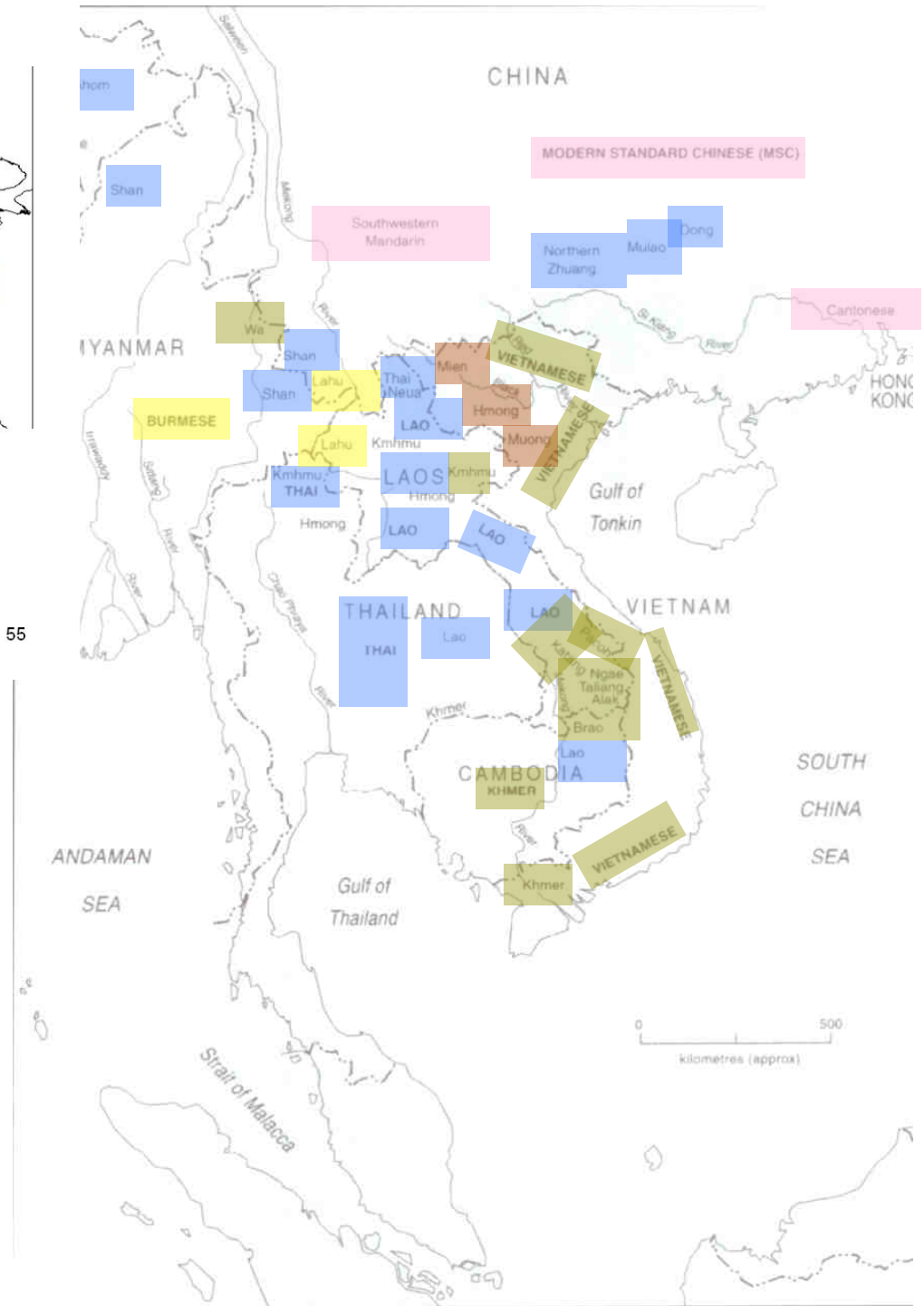
Three important remarks

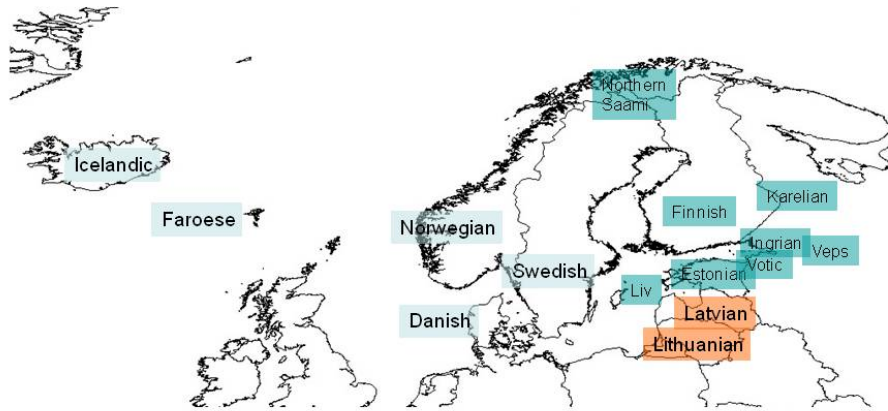
3. Language contact



‘get’

55



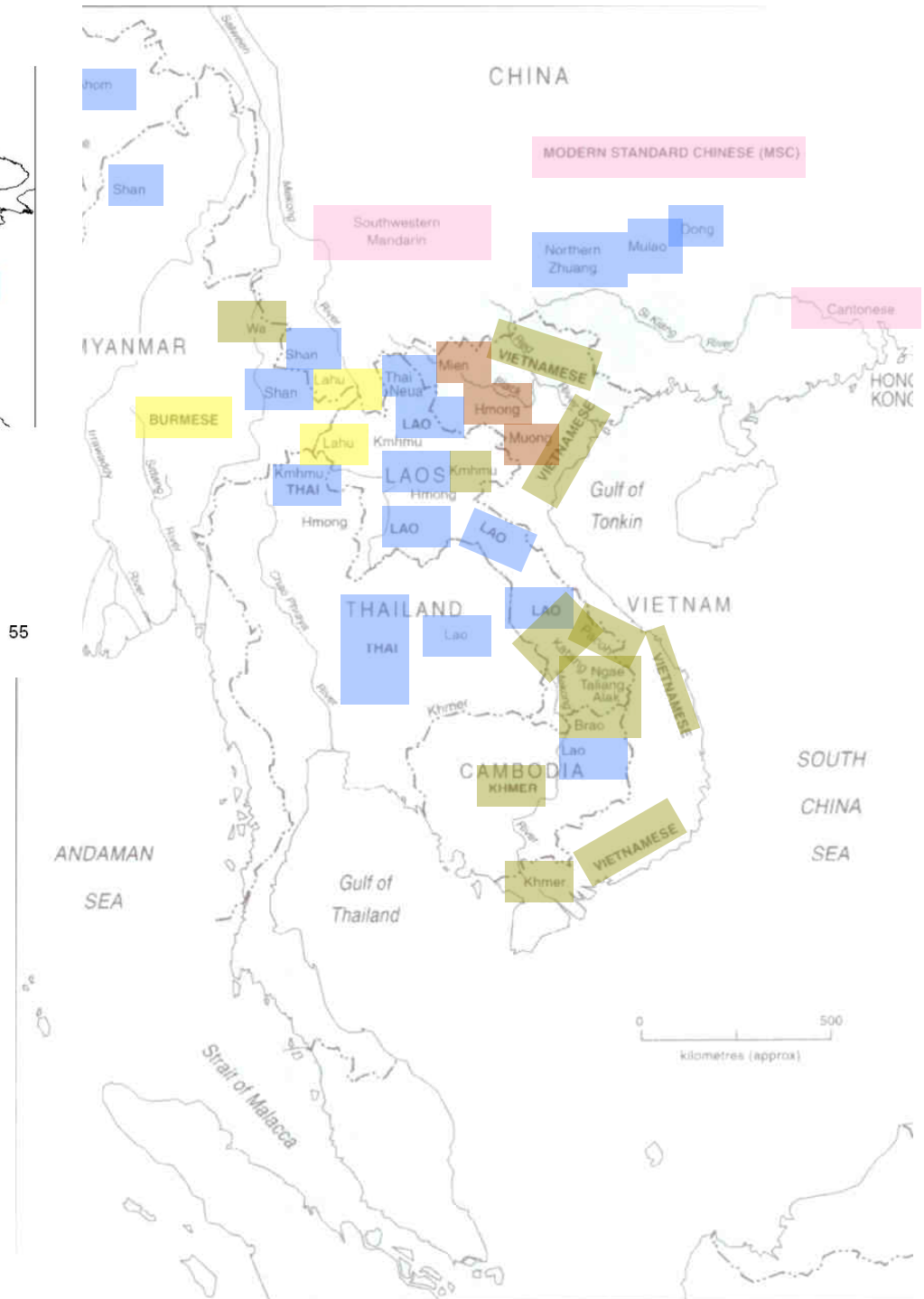


**‘get’
Acquisitive modality**

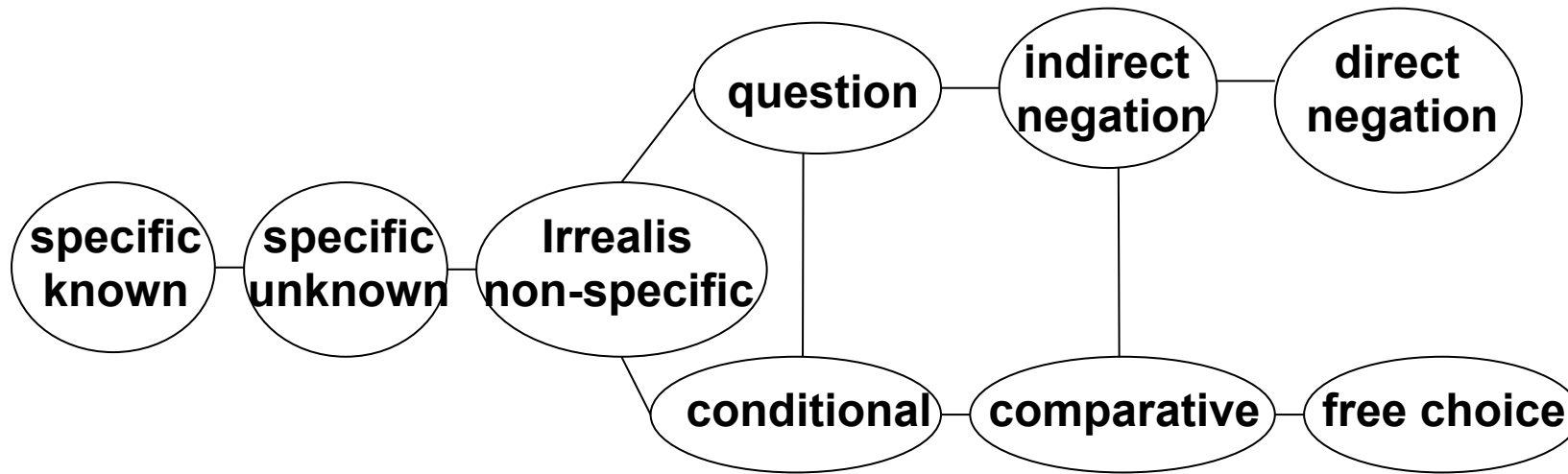
**vdA, J., P. Kehayov &
A. Vittrant (2009)**

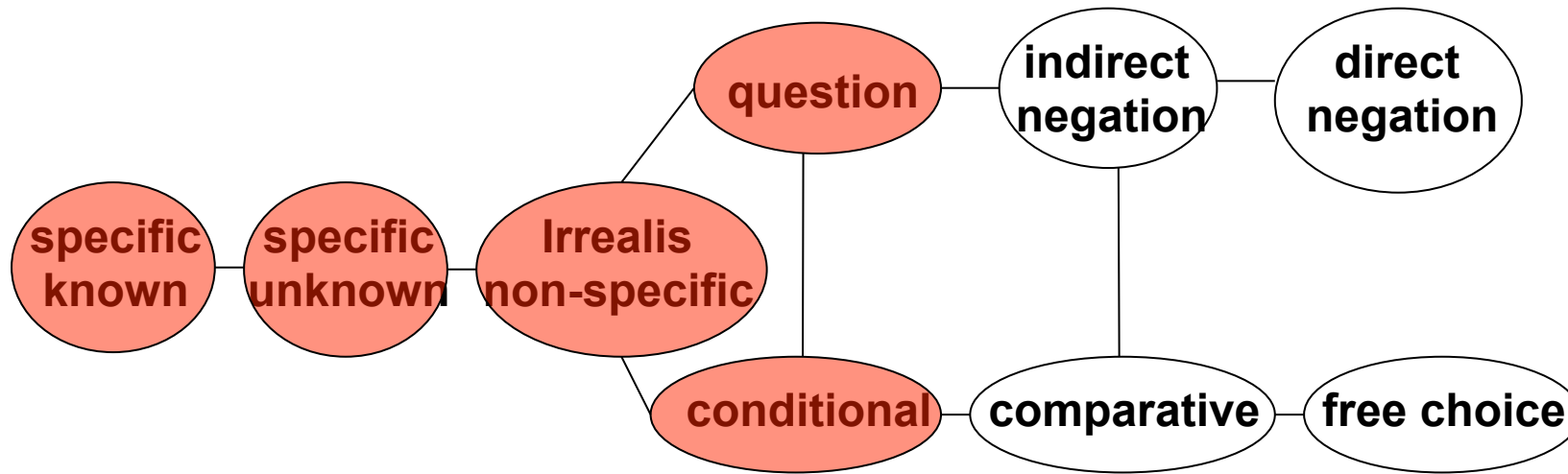
Enfield (2003)

55

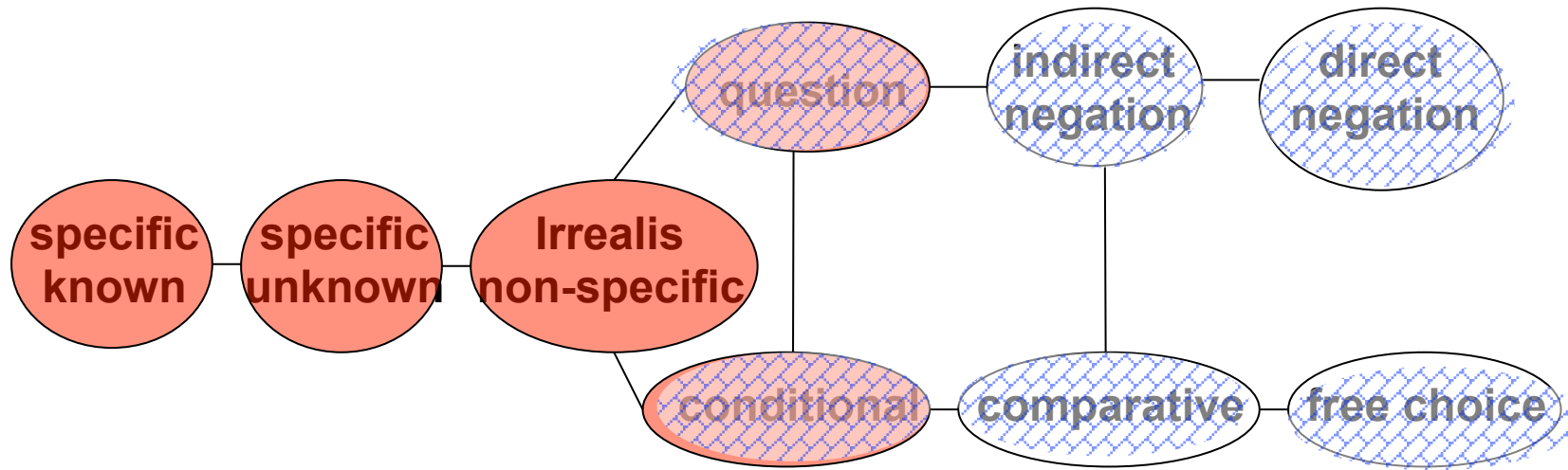


**4. These semantic maps
can be quite complicated**



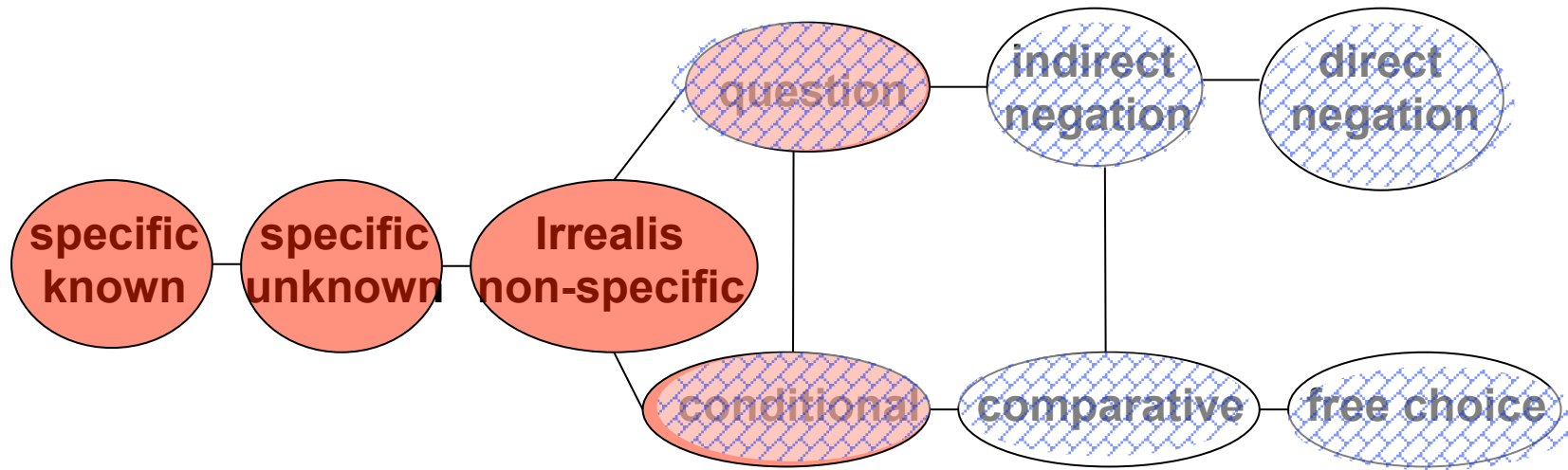


some



some

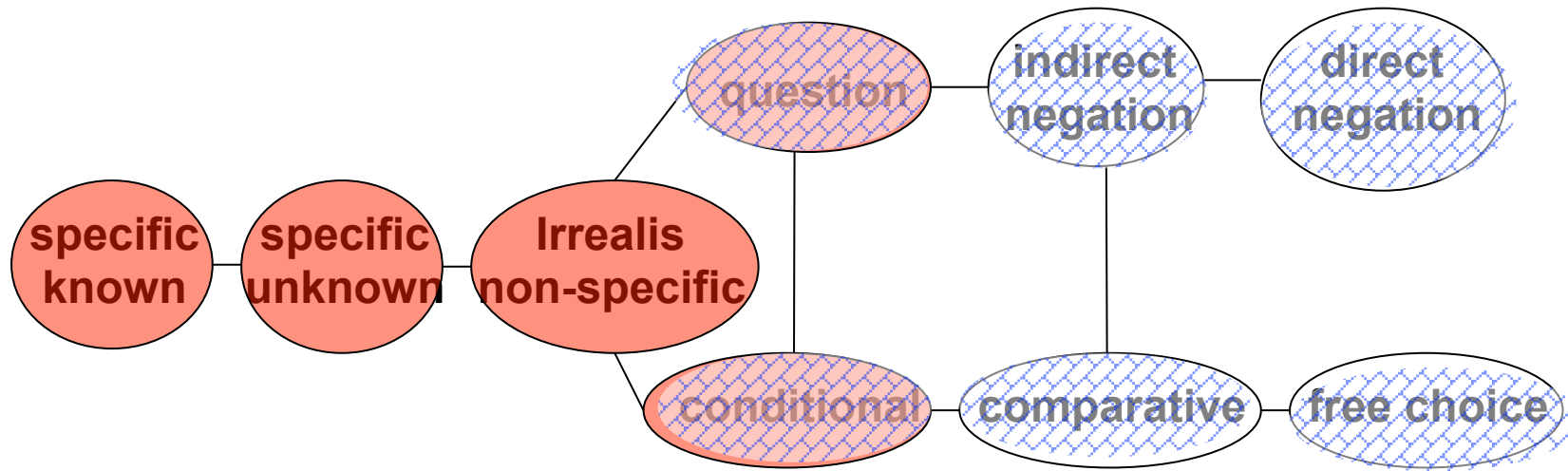
any



some

any

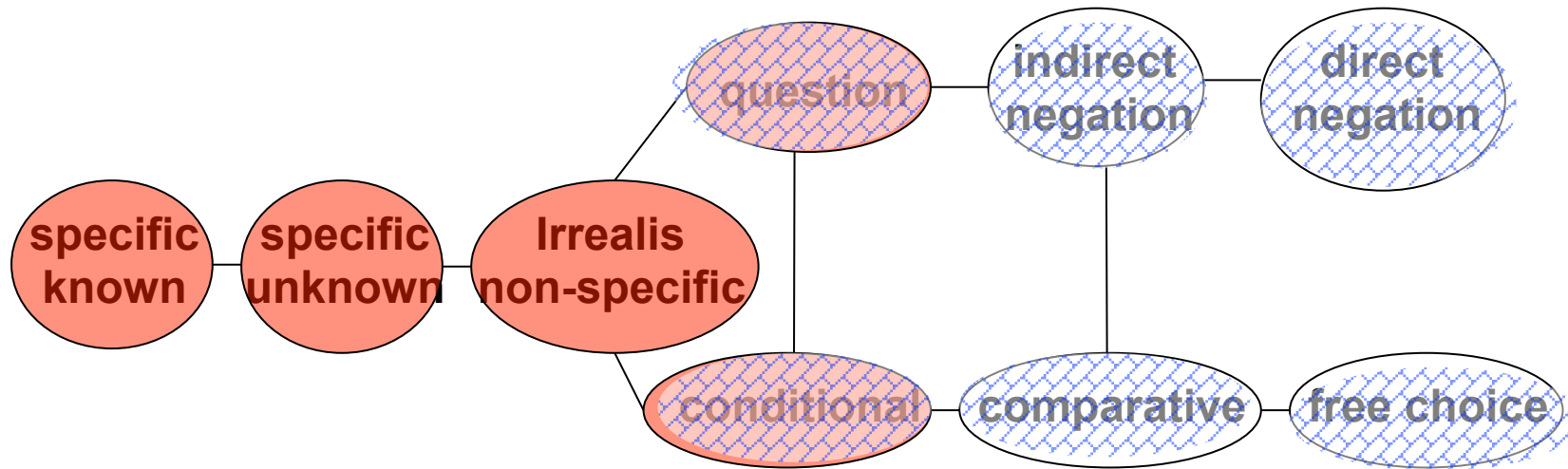
Dutch and German *any*
enig *einig*



some

any

Dutch and German *any* **'any, some'**
enig *einig*



Hij heeft enige boeken geschreven.

he has any books written

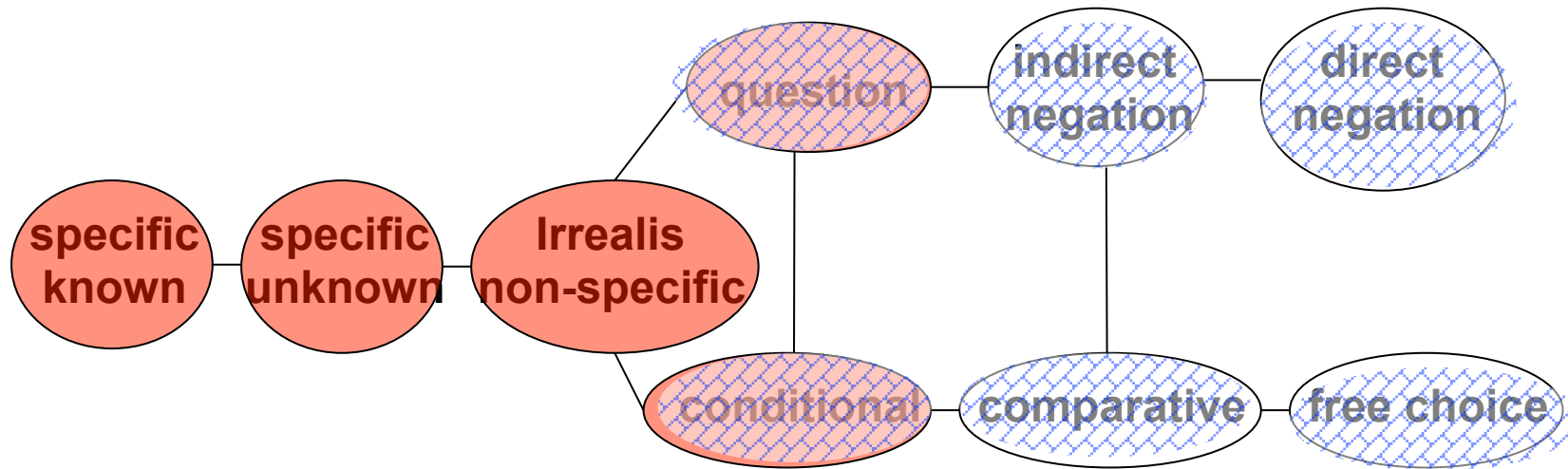
‘He has written some books.’

some

any

Dutch and German any ‘any, some’

enig enig



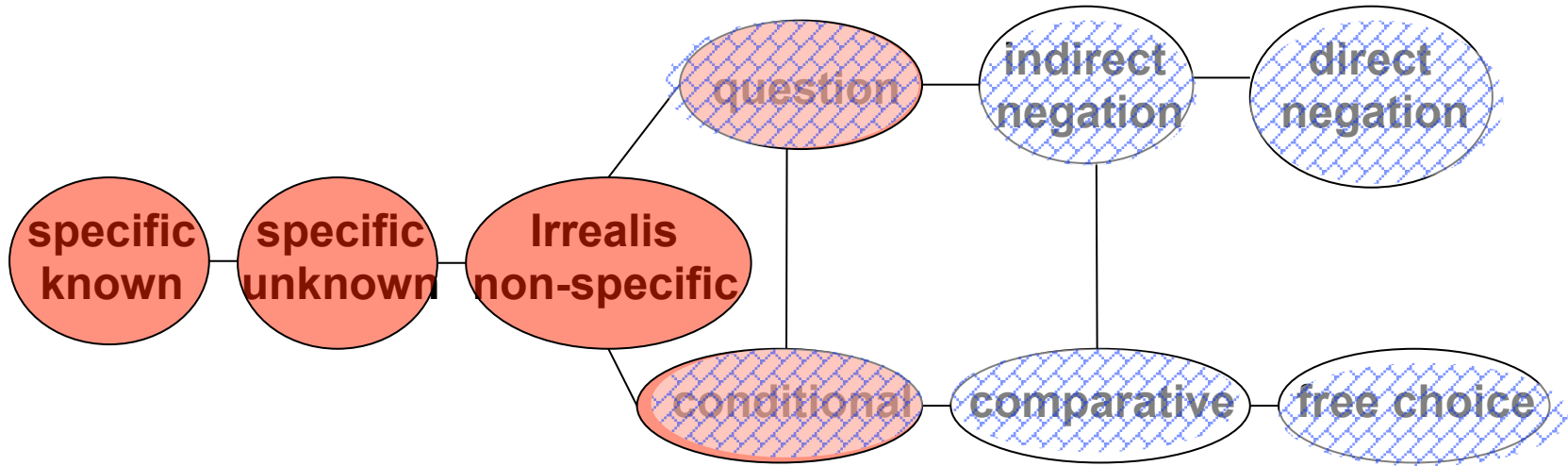
Hij heeft enige boeken geschreven.
 he has any books written
 'He has written some books.'



some

any

Dutch and German any 'any, some'
 enig enig



'only', 'single'

'wonderful'

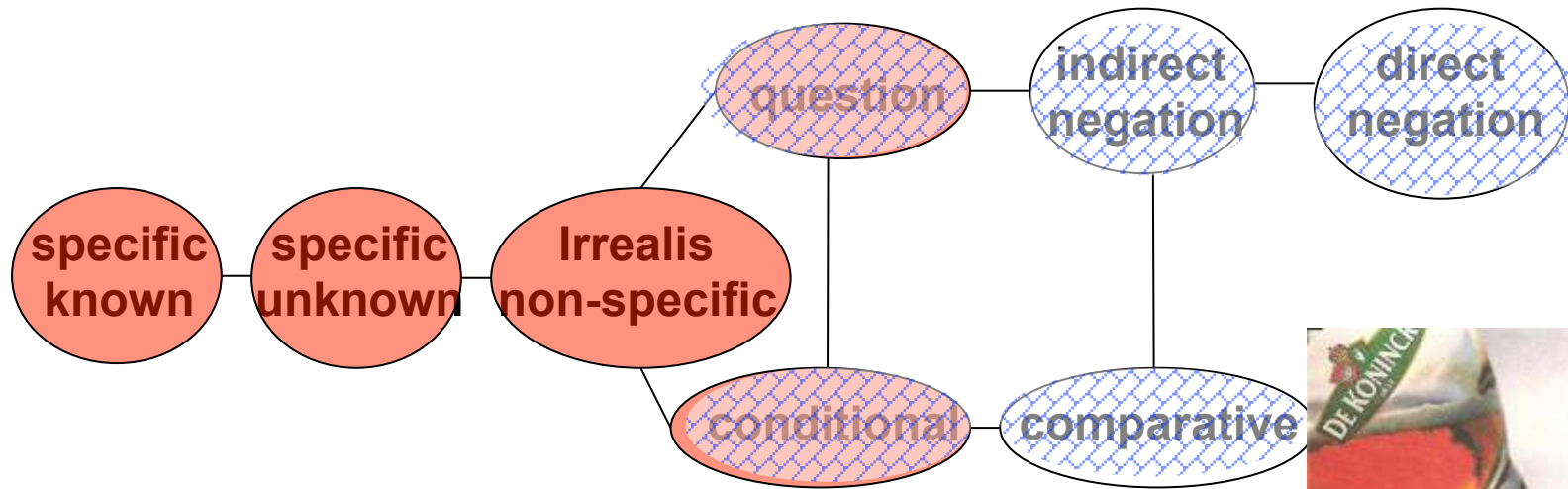
'in agreement'

some

any

Dutch and German *any*
enig *einig*

'any, some'



'only', 'single'

'wonderful'

'in agreement'



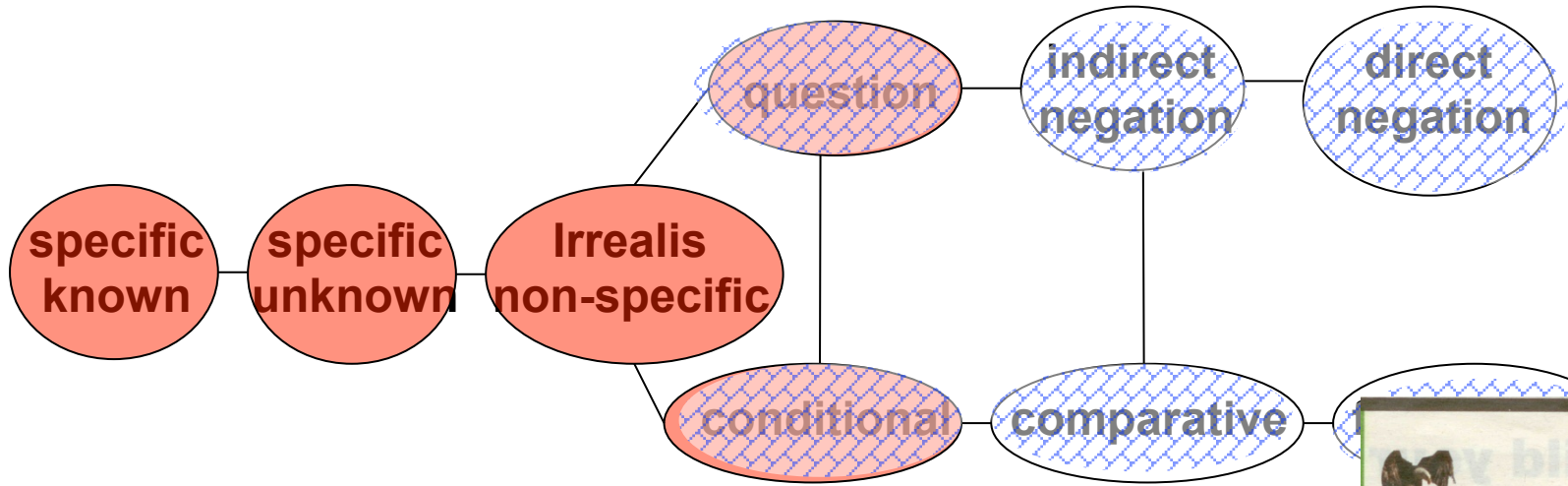
some

any

Dutch and German *any*
enig

'**any, some**'

einig



'only', 'single'

'wonderful'

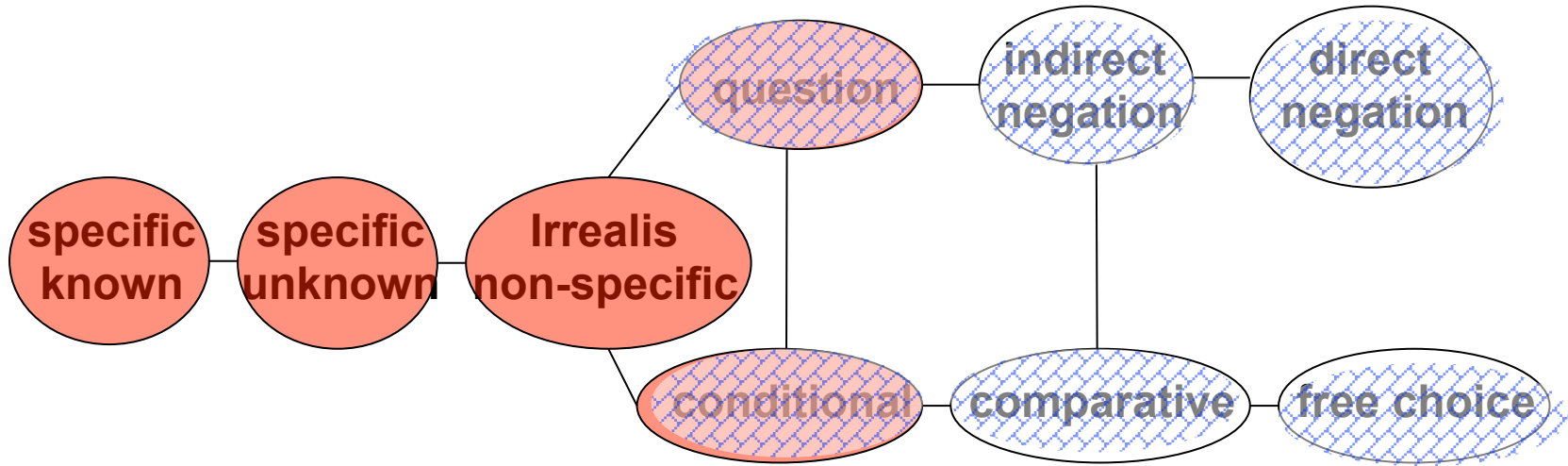
'in agreement'

some

any

Dutch and German *any* **'any'**
enig *einig*





'only', 'single'

'wonderful'

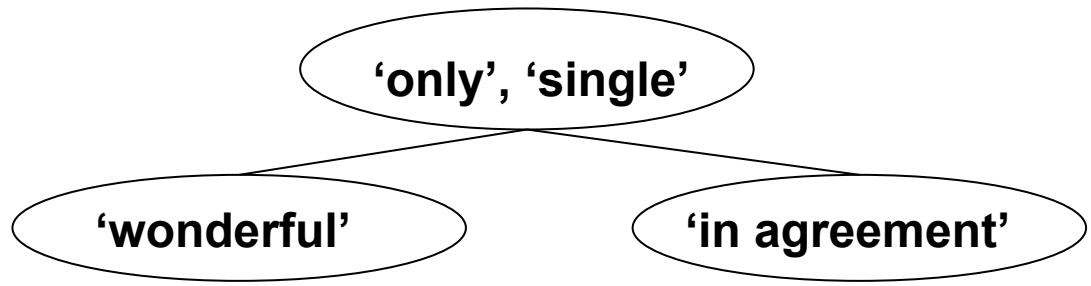
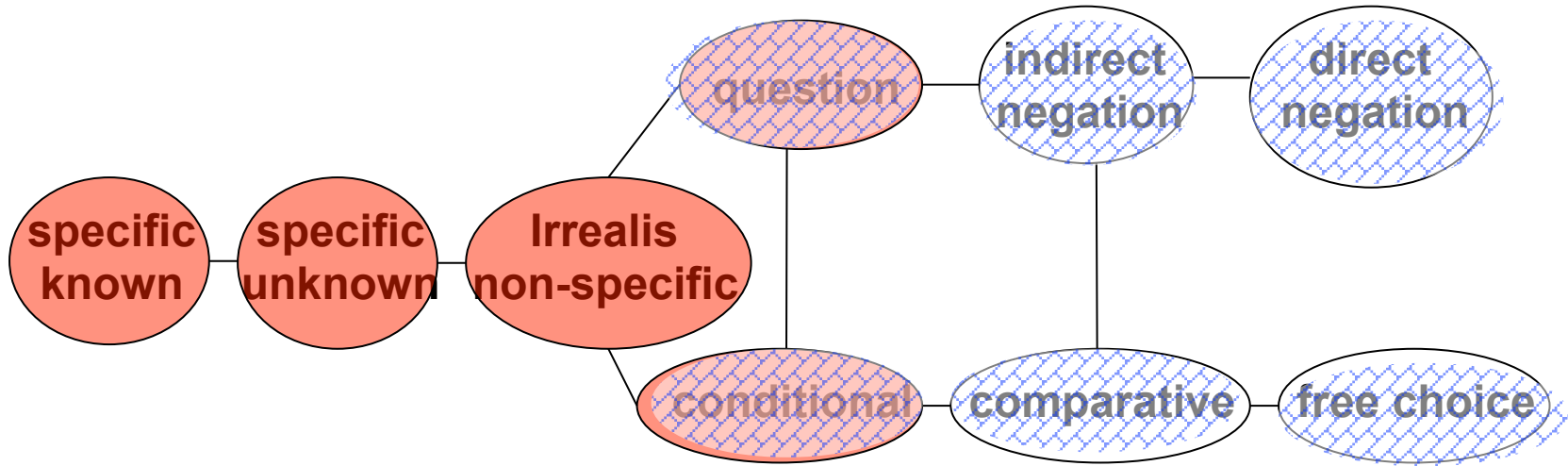
'in agreement'

some

any

Dutch and German *any*
enig *einig*

'any, some'

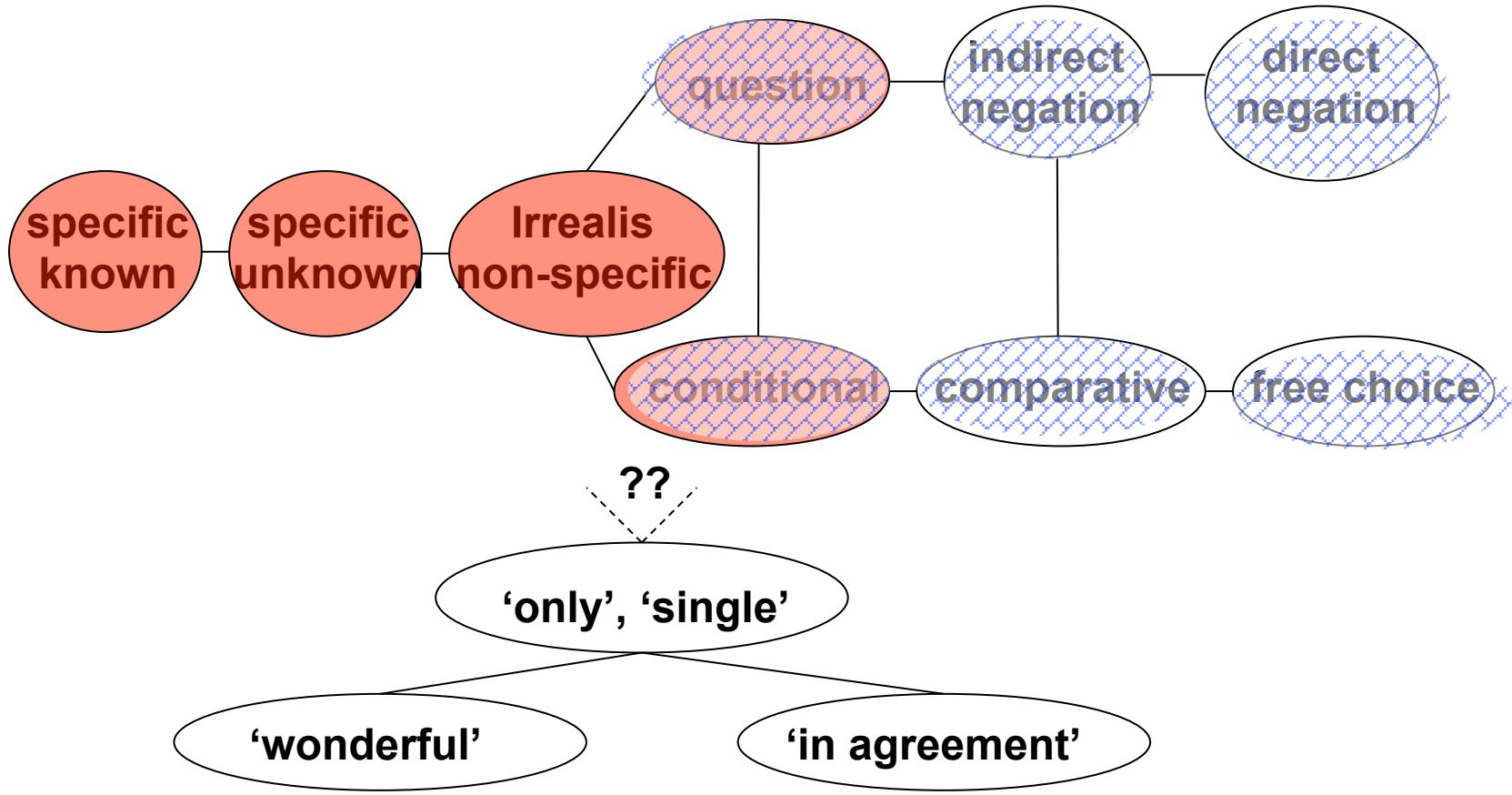


some

any

Dutch and German *any*
enig *einig*

'any, some'

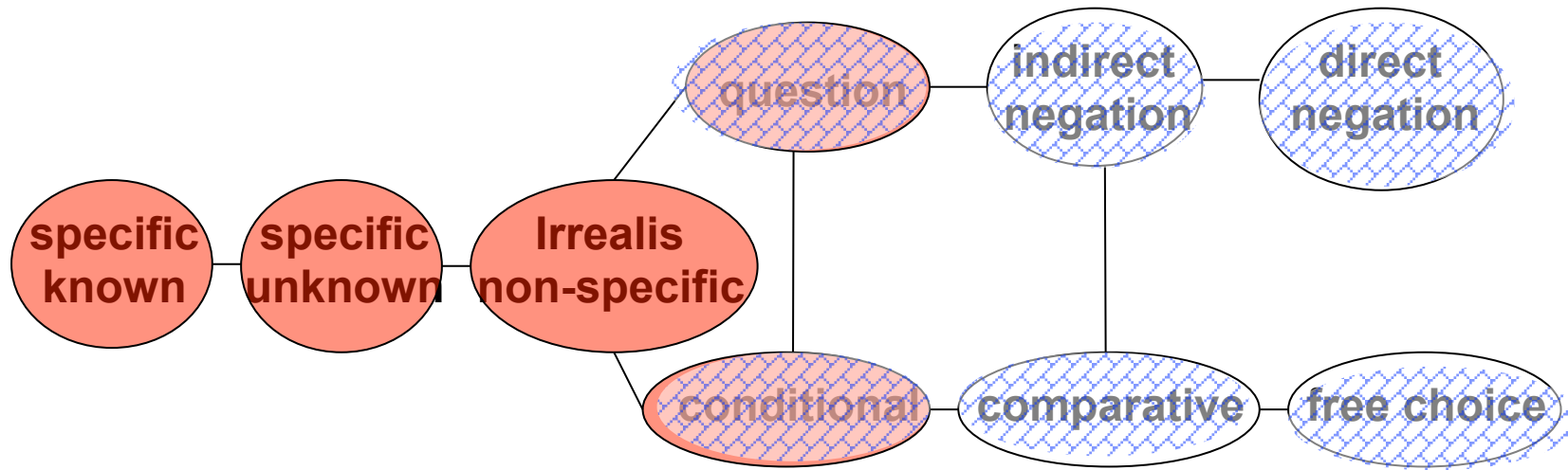


some

any

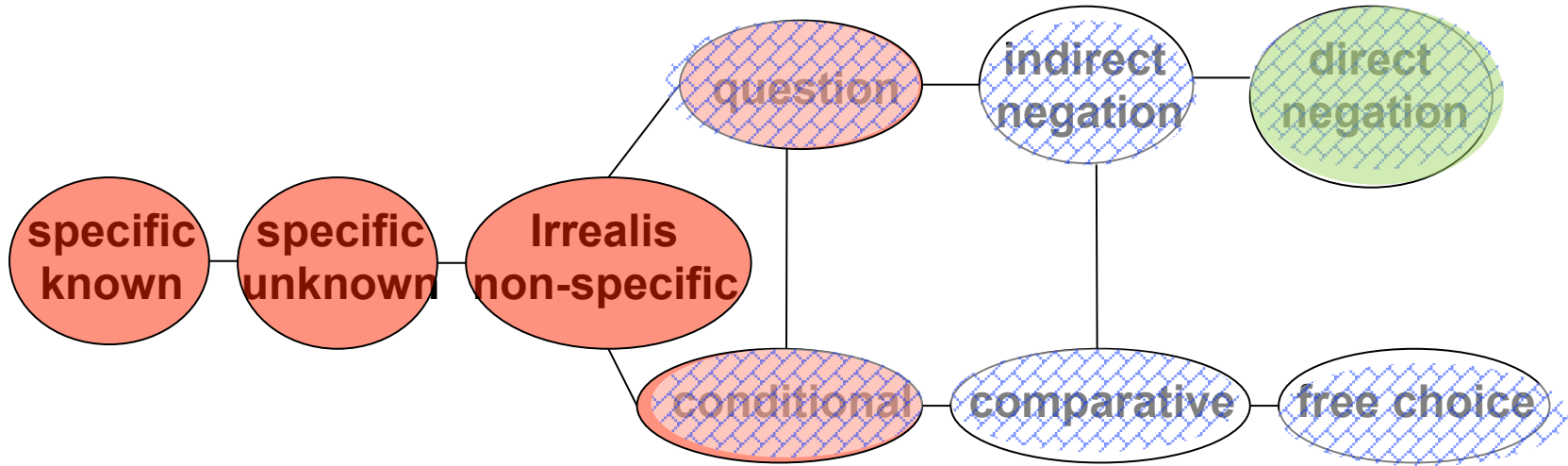
Dutch and German *any*
enig *einig*

'any, some'



some

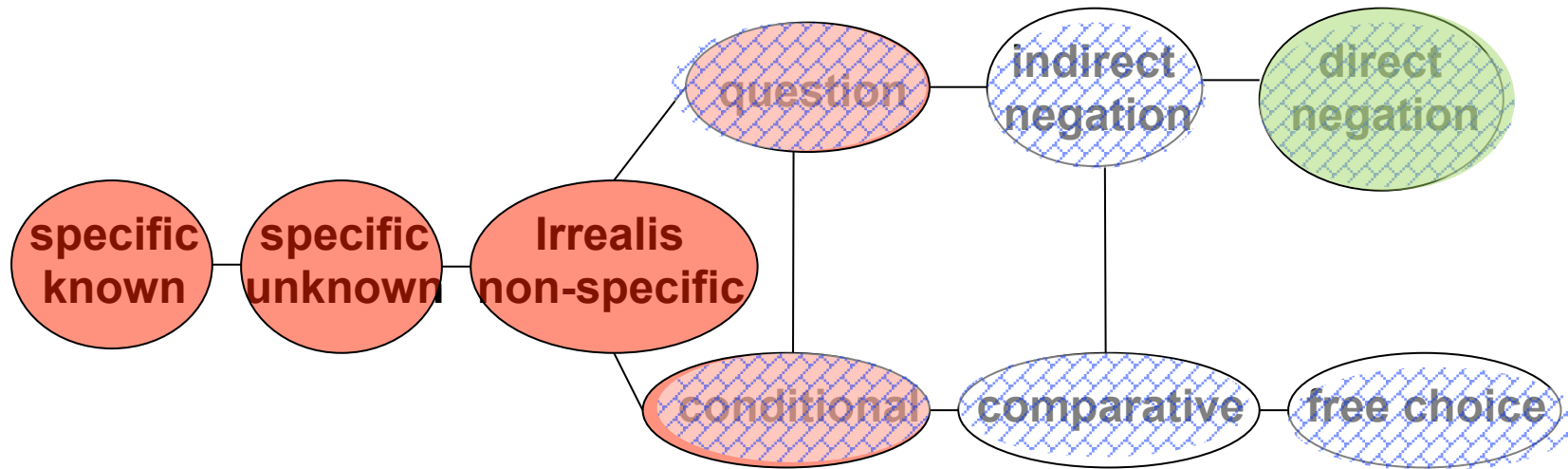
any



some

any

no

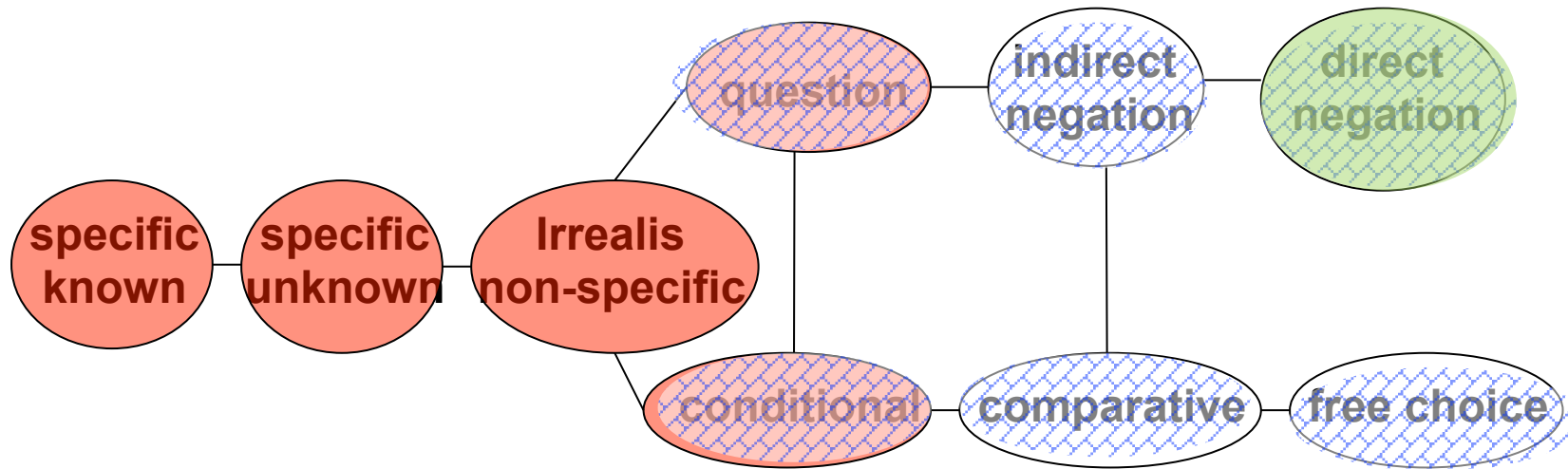


*I don't talk to **any** philosopher.*

some

any

no



*I don't talk to **any** philosopher.*

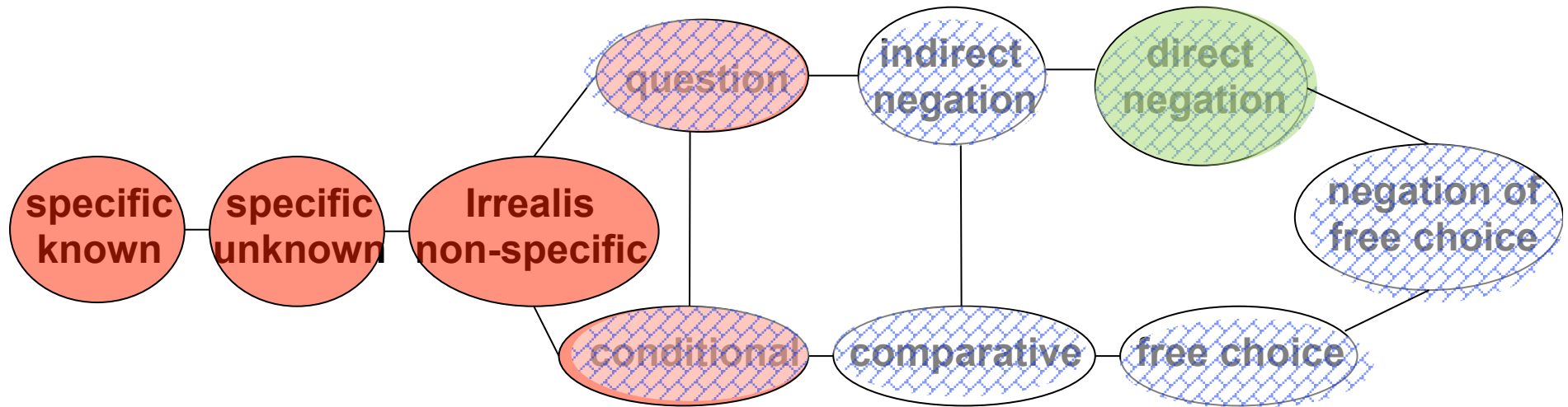
1. I talk to no philosopher.

2. I don't just talk to any old philosopher.

some

any

no



I don't talk to any philosopher.

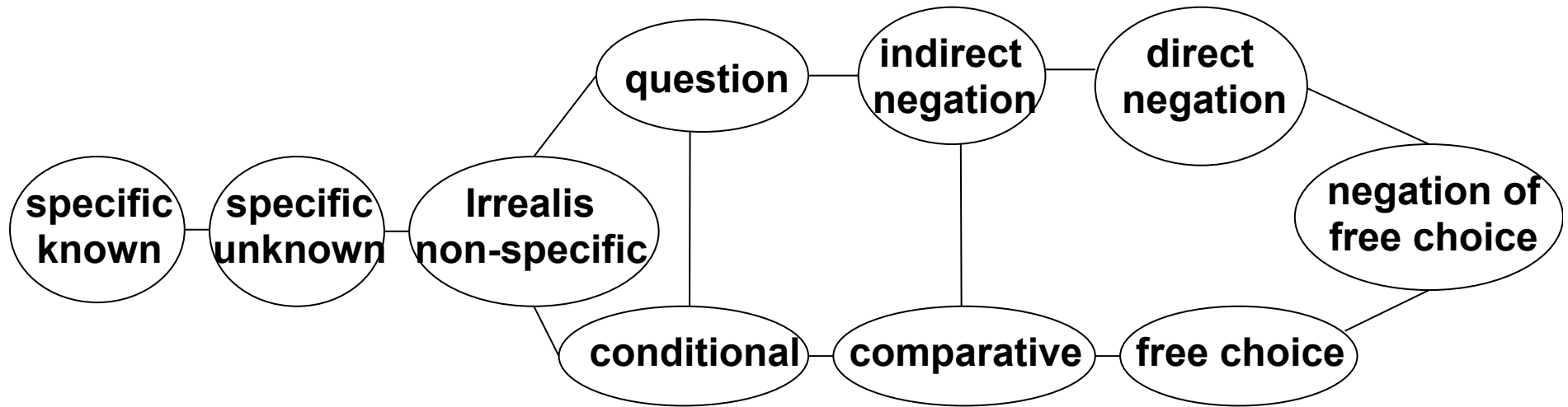
1. I talk to no philosopher.

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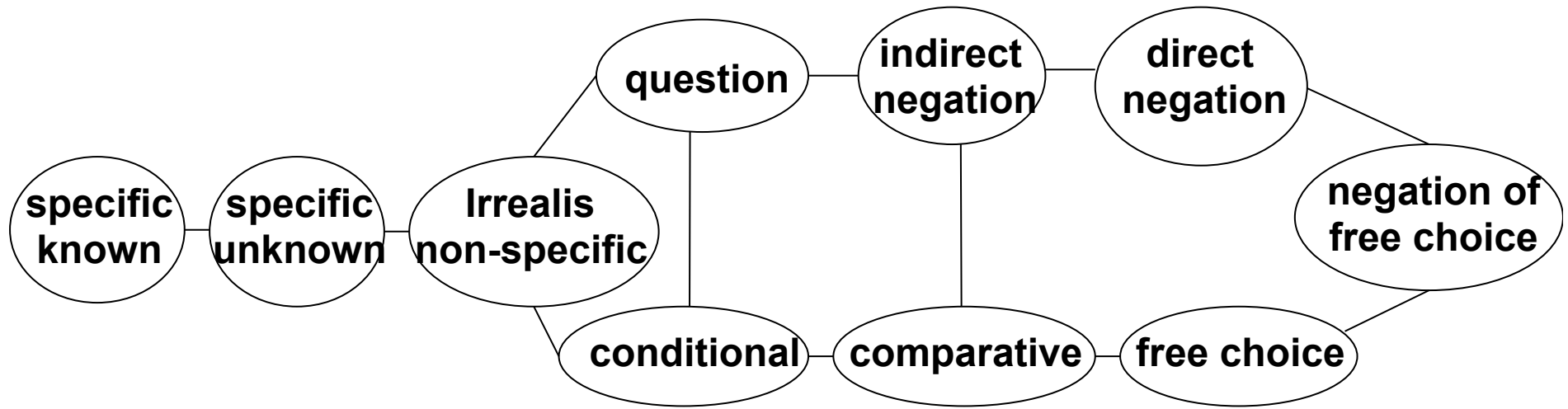
some

any

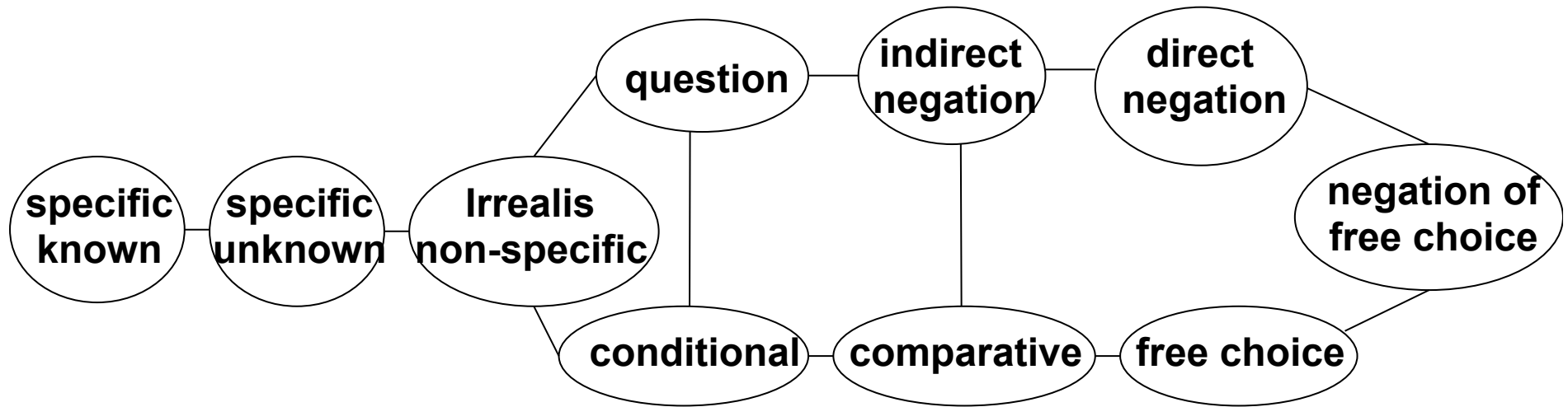
no



someone *anyone* *no one*

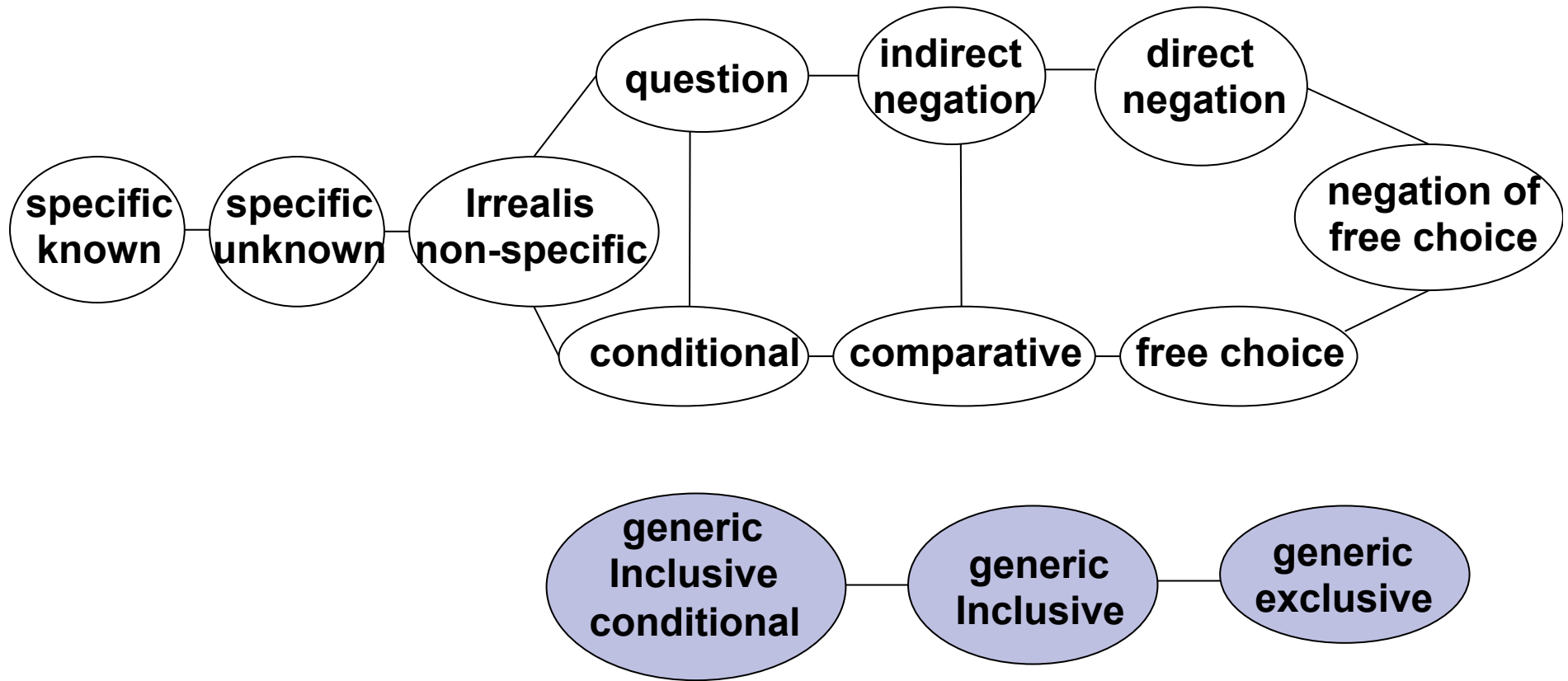


someone *anyone* *no one* *one*



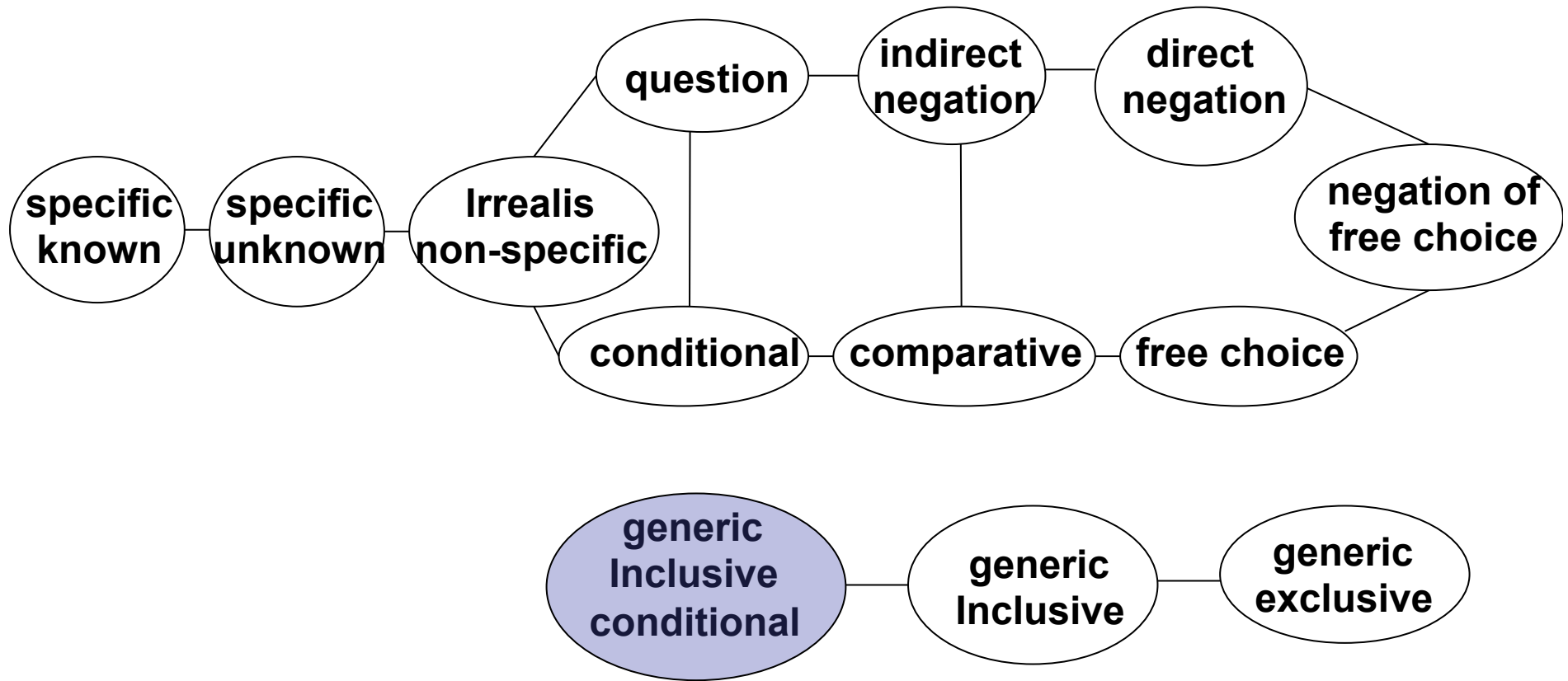
***When one travels, then ...
One should always carry an umbrella.
In Spain one eats late.***

someone anyone no one one



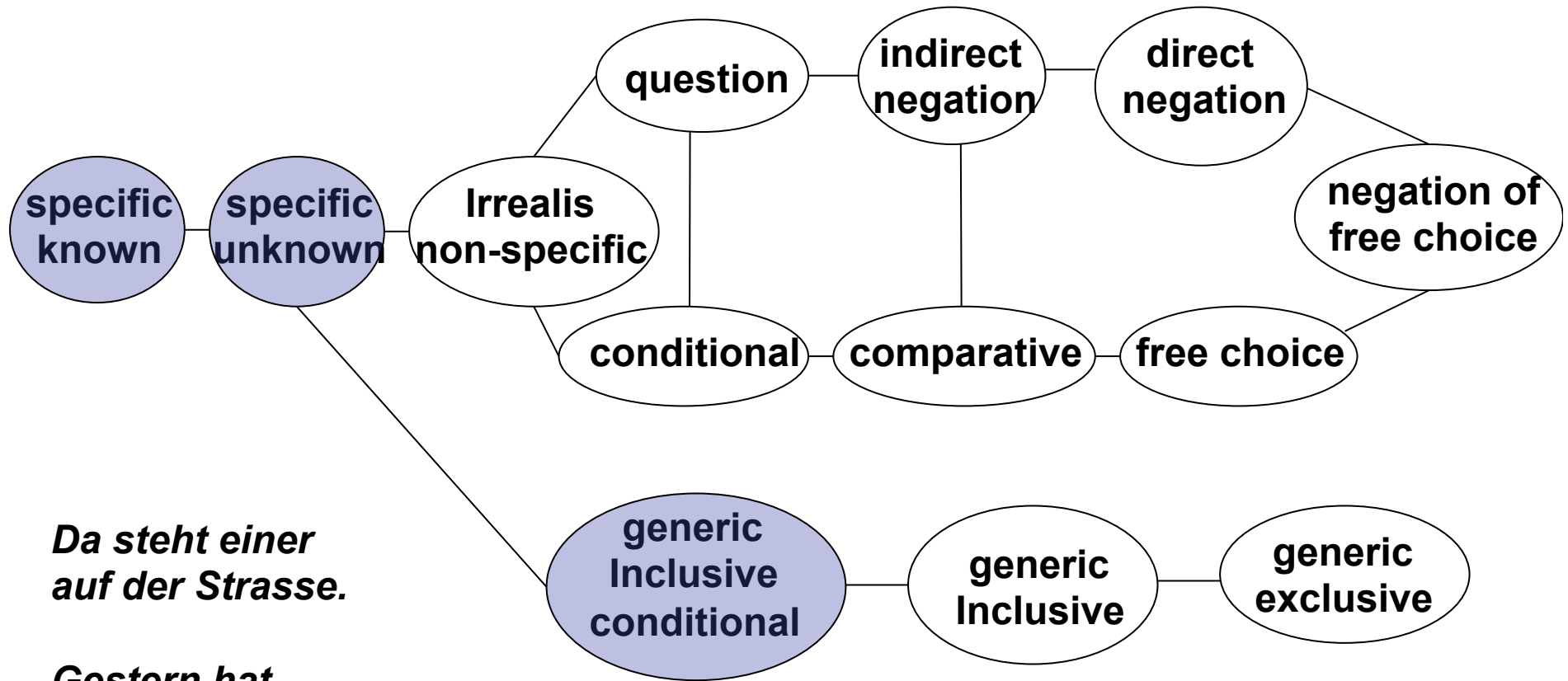
*When one travels, then ...
 One should always carry an umbrella.
 In Spain one eats late.*

someone **anyone** **no one** **one**



Wenn einer eine Reise macht, dann ...
****Einer soll einen Regenschirm dabei haben.***
****In Spanien isst einer spät.***

someone **anyone** **no one** **one** **einer**

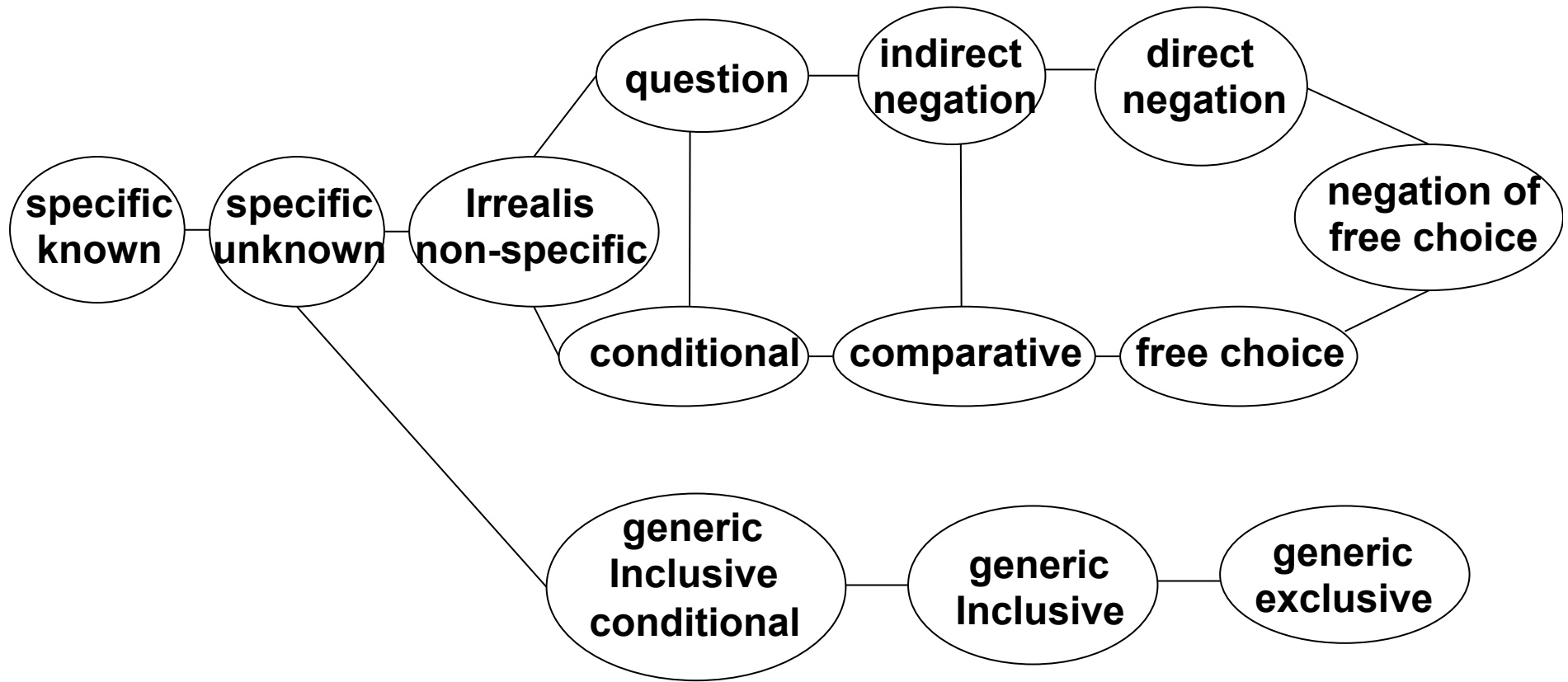


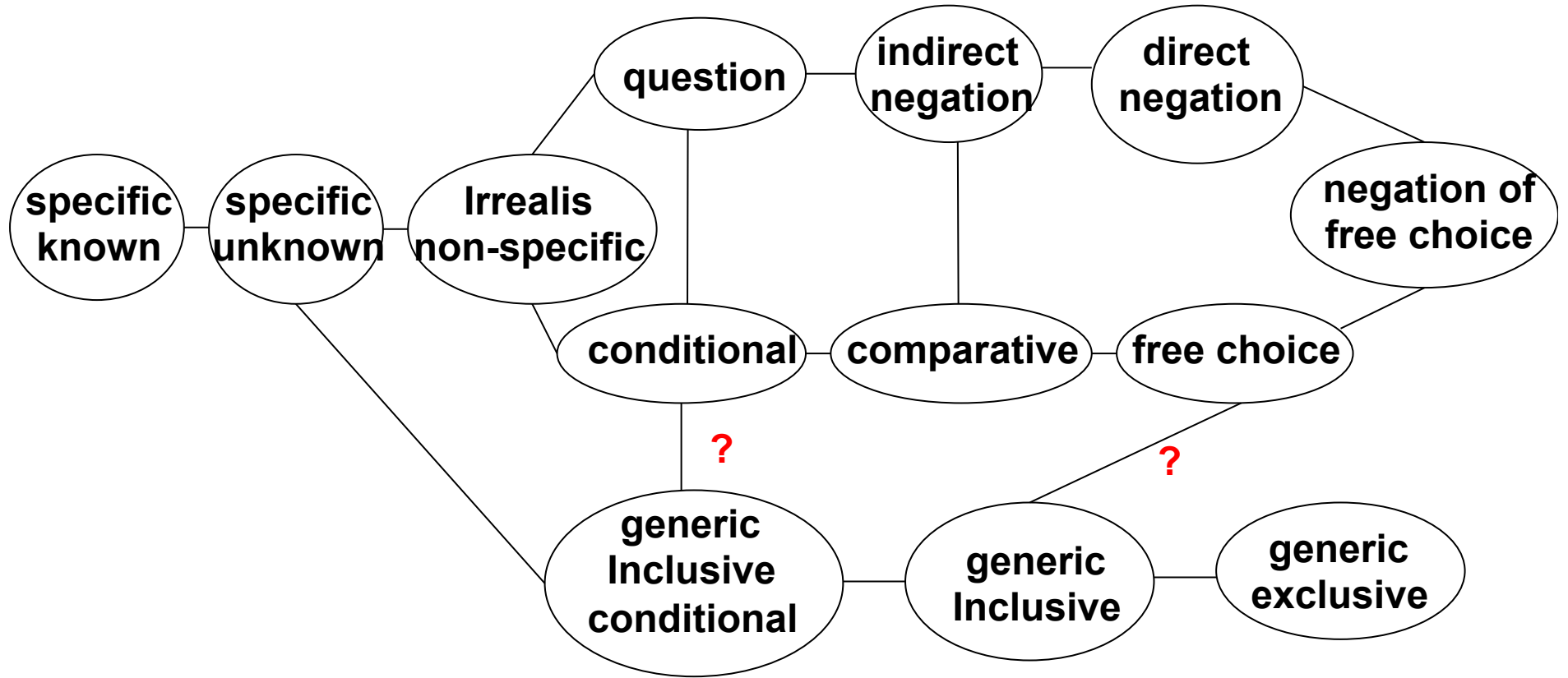
Da steht einer auf der Strasse.

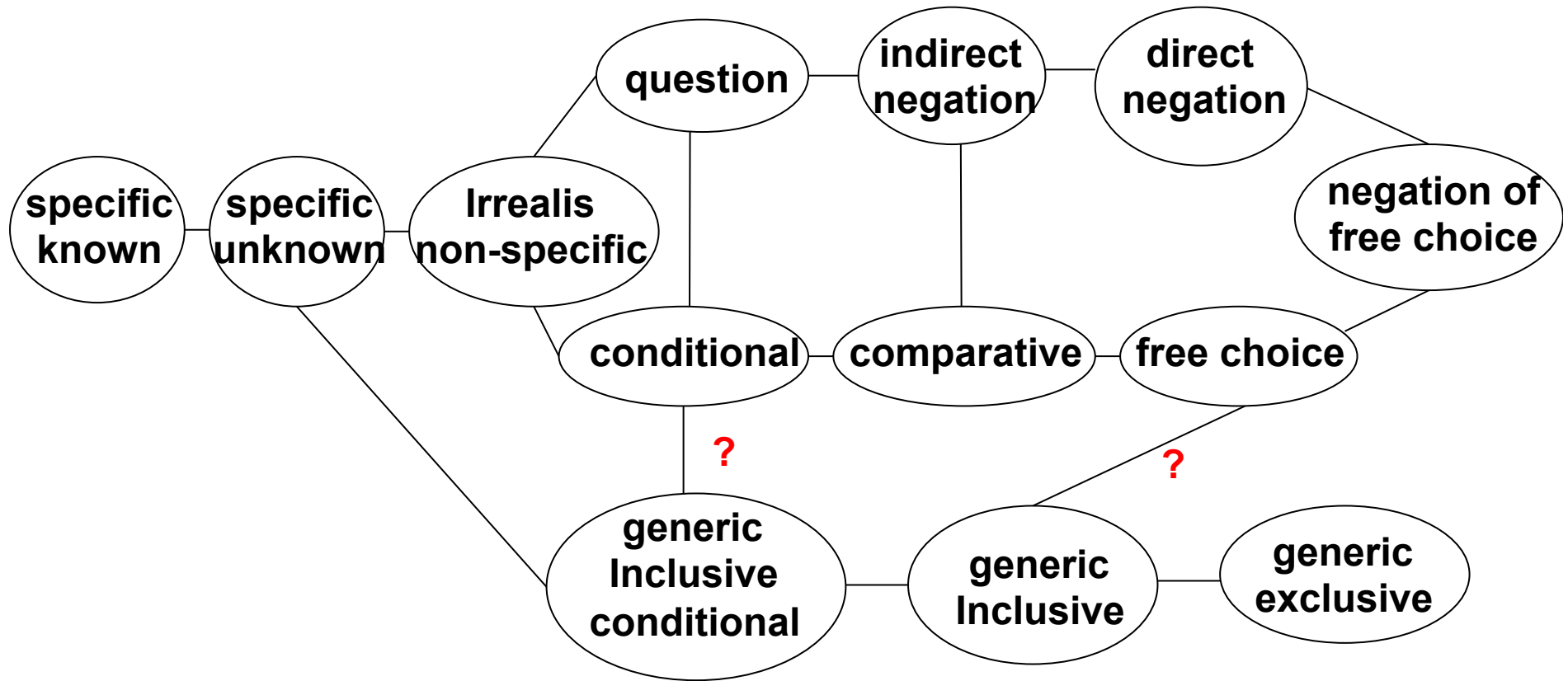
Gestern hat einer mein Auto gestohlen.

*Wenn einer eine Reise macht, dann ...
 *Einer soll einen Regenschirm dabei haben.
 In Spanien isst einer spät.

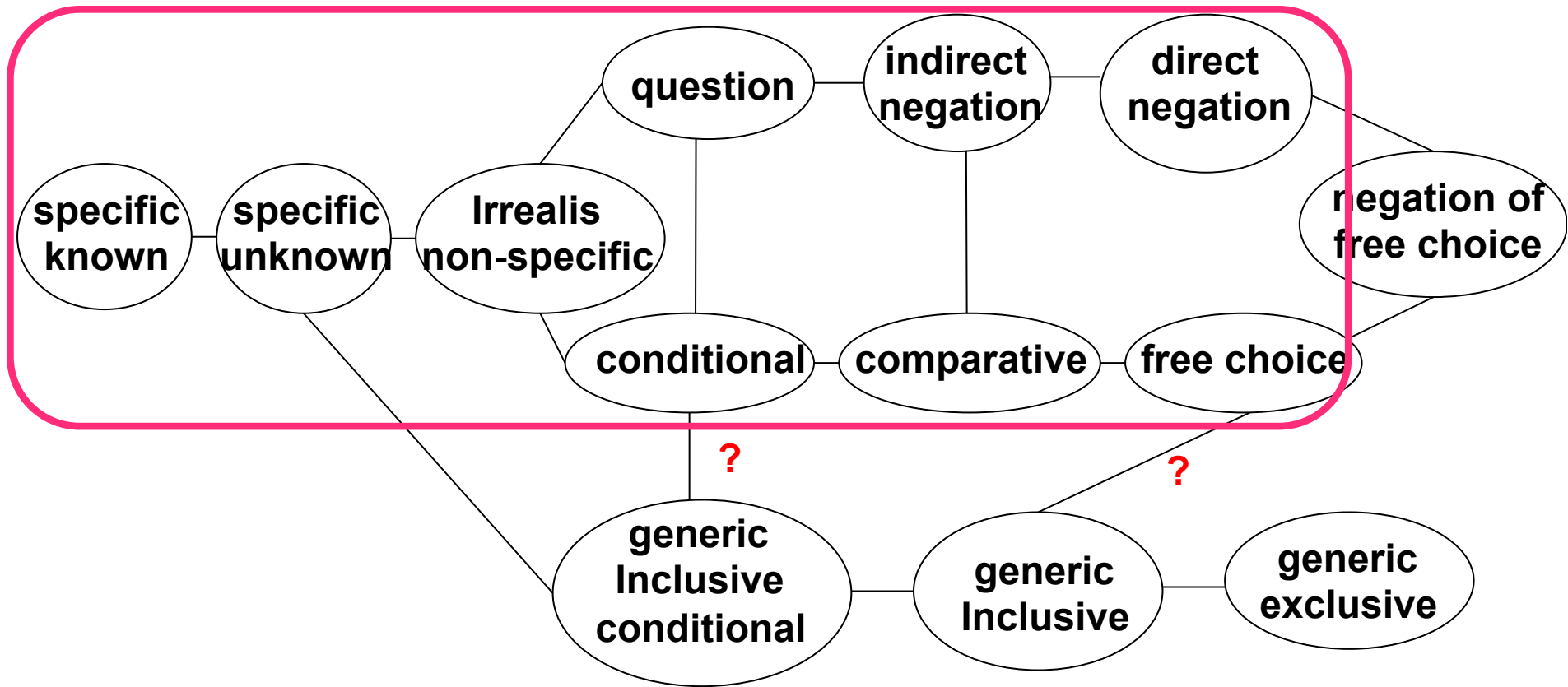
someone **anyone** **no one** **one** **einer**

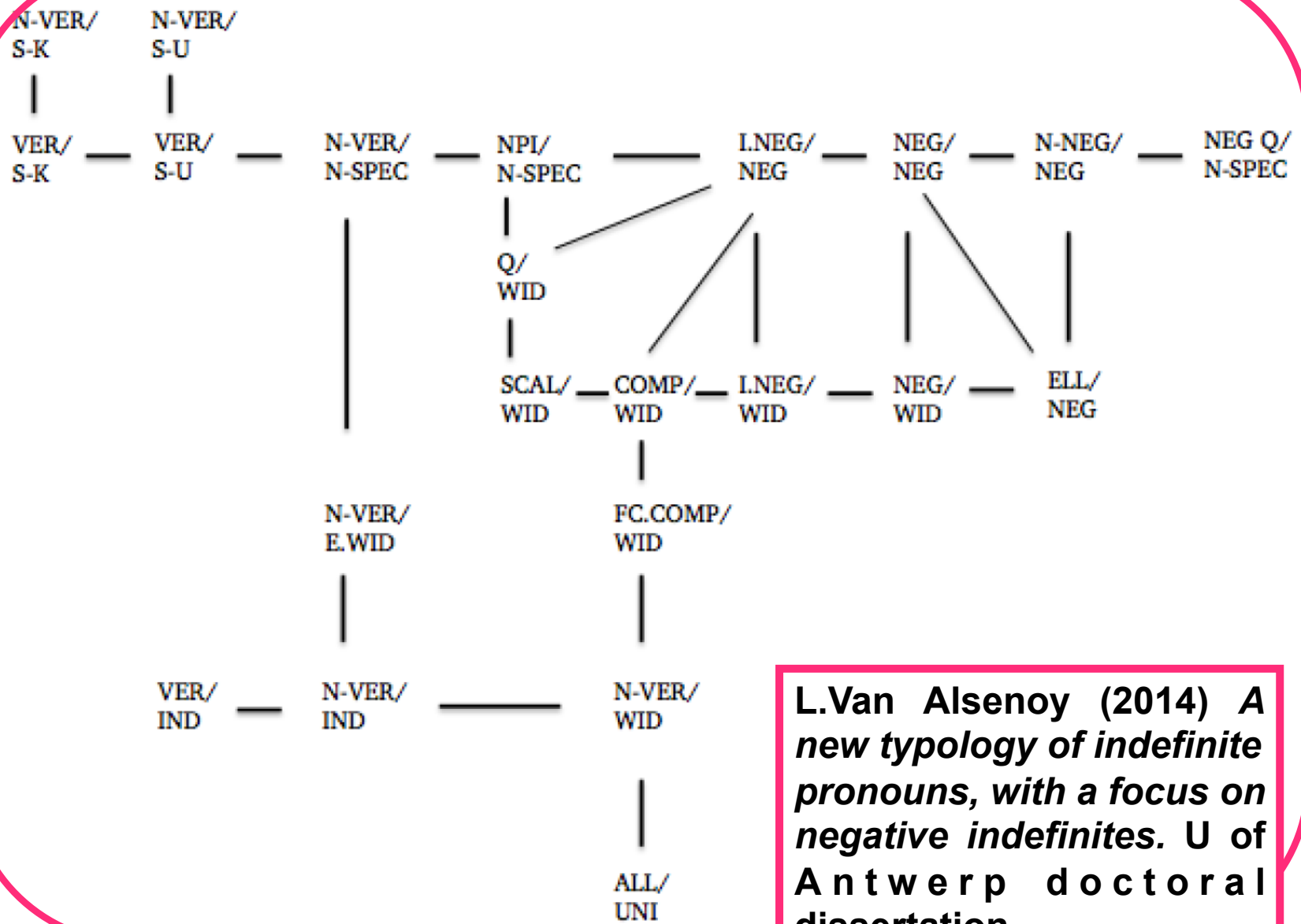






Gast, V. & J. van der Auwera (2013) “Towards a distributional typology of human impersonal pronouns, based on data from European languages”, *Languages across Boundaries: Studies in the Memory of Anna Siewierska*. ed. by D. Bakker & M. Haspelmath. Berlin: De Gruyter Mouton, 119-158.

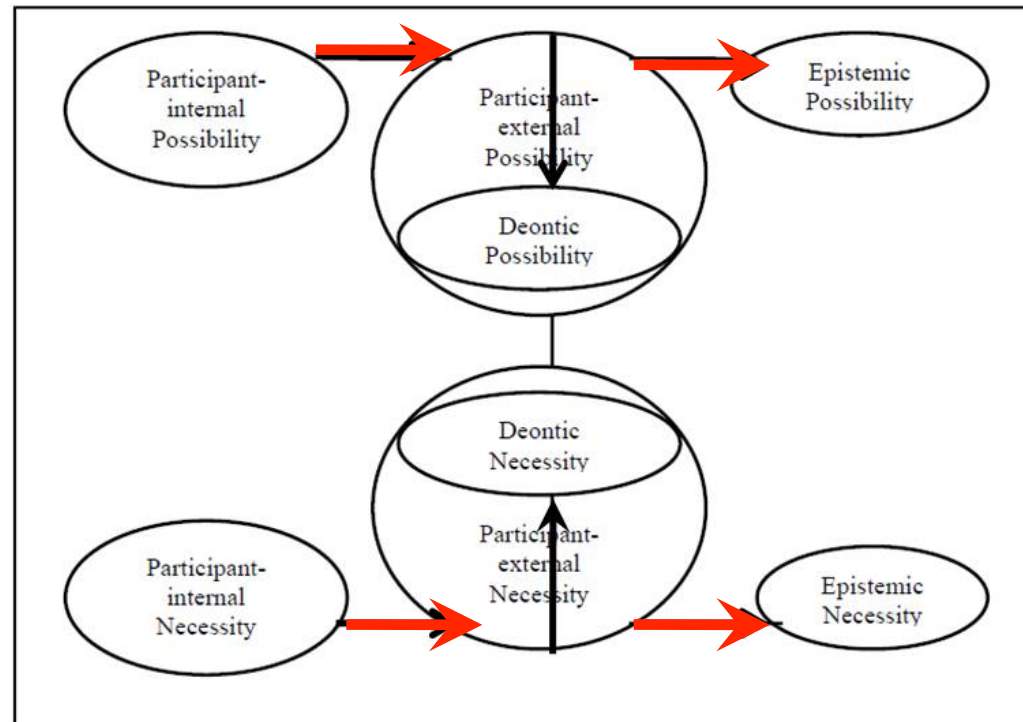




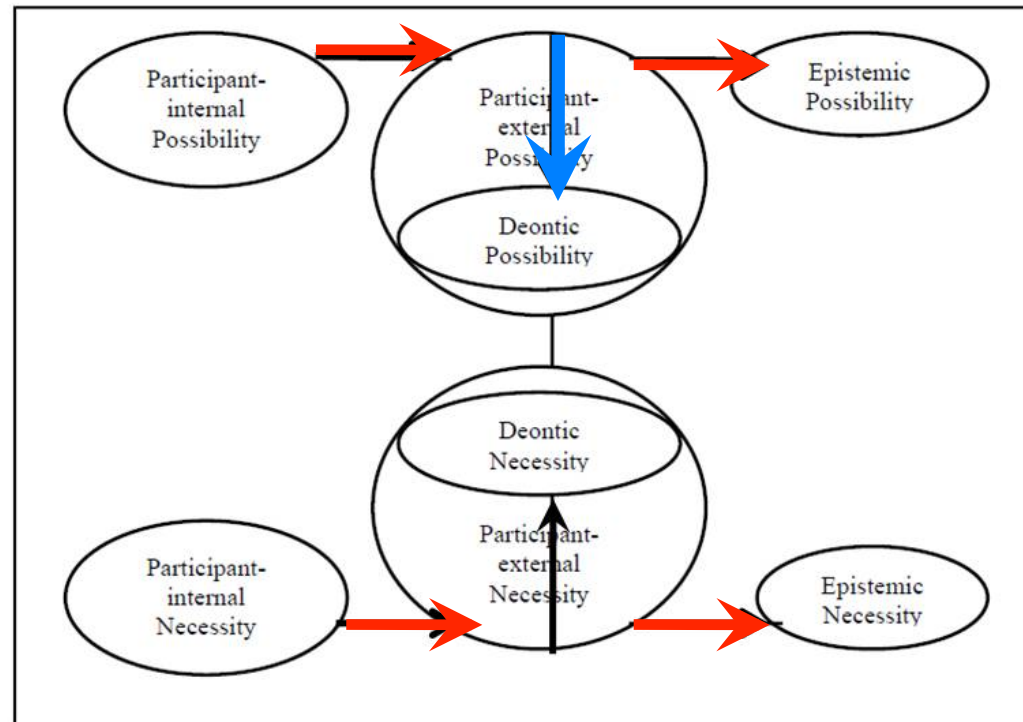
L.Van Alsenoy (2014) *A new typology of indefinite pronouns, with a focus on negative indefinites.* U of Antwerp doctoral dissertation.

5. The many shapes of contiguity/adjacency

Extension by metonymy or metaphor

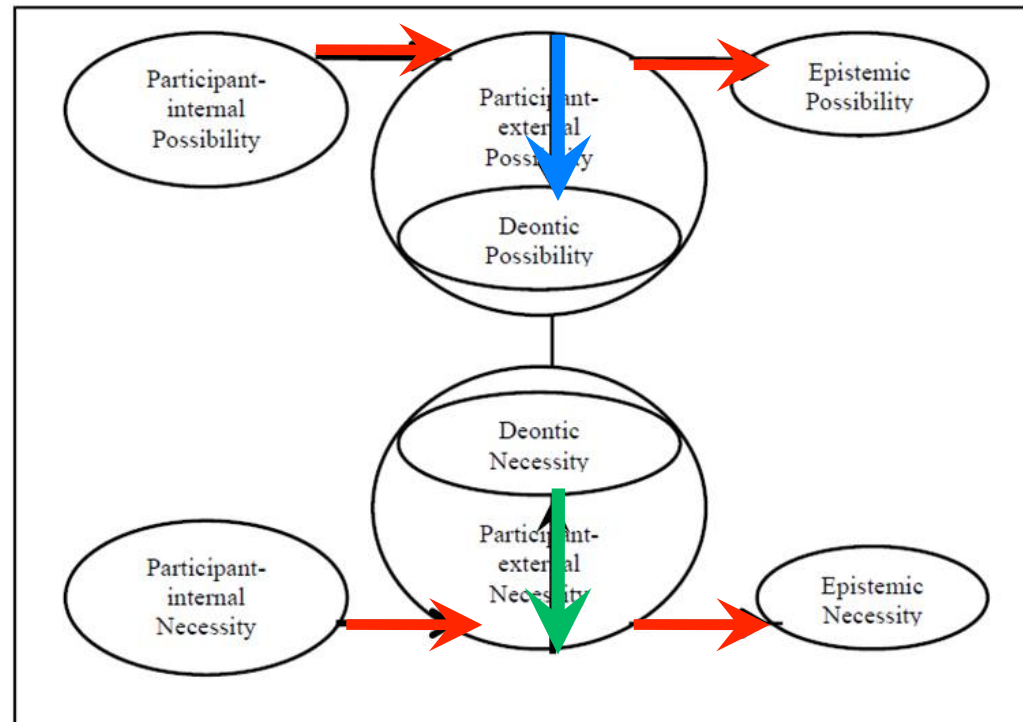


Extension by metonymy or metaphor



Specialization

Extension by metonymy or metaphor



Specialization

Generalization

English

*Who is this? He commands **even** the winds and the water, and they obey him.*

Spanish

*¿Quién es éste, que manda **aun** los vientos y al agua, y le obedecen?*

German

*Was ist das für ein Mensch, dass **sogar** die Winde und das Wasser seinem Befehl gehorchen?*

Gast, V. & J. van der Auwera (2010) Vers une typologie des opérateurs additifs scalaires, *Approches de la scalarité*. ed. by P. Hadermann & O. Inkova. Genève: Droz, 285-311.

--- (2011) “Scalar additive operators in the languages of Europe”, *Language* 87: 2-54.

English

*Who is this? He commands **even** the winds and the water, and they obey him.*

German

*Was ist das für ein Mensch, dass **sogar** die Winde und das Wasser seinem Befehl gehorchen.*

English

*Who is this? He commands **even** the winds and the water, and they obey him.*

*Not **even** his dogs obey him.*

German

*Was ist das für ein Mensch, dass **sogar** die Winde und das Wasser seinem Befehl gehorchen.*

English

*Who is this? He commands **even** the winds and the water, and they obey him.*

*Not **even** his dogs obey him.*

German

*Was ist das für ein Mensch, dass **sogar** die Winde und das Wasser seinem Befehl gehorchen.*

*Nicht **einmal** seine Hunde gehorchen ihm.*

English

*Who is this? He commands **even** the winds and the water, and they obey him.*

*Not **even** his dogs obey him.*

*If you **even** look at her, you'll get into trouble.*

German

*Was ist das für ein Mensch, dass **sogar** die Winde und das Wasser seinem Befehl gehorchen.*

*Nicht **einmal** seine Hunde gehorchen ihm.*

English

*Who is this? He commands **even** the winds and the water, and they obey him.*

*Not **even** his dogs obey him.*

*If you **even** look at her, you'll get into trouble.*

German

*Was ist das für ein Mensch, dass **sogar** die Winde und das Wasser seinem Befehl gehorchen.*

*Nicht **einmal** seine Hunde gehorchen ihm.*

*Wenn du sie **auch nur** ansiehst, bekommst du Ärger.*

Basque

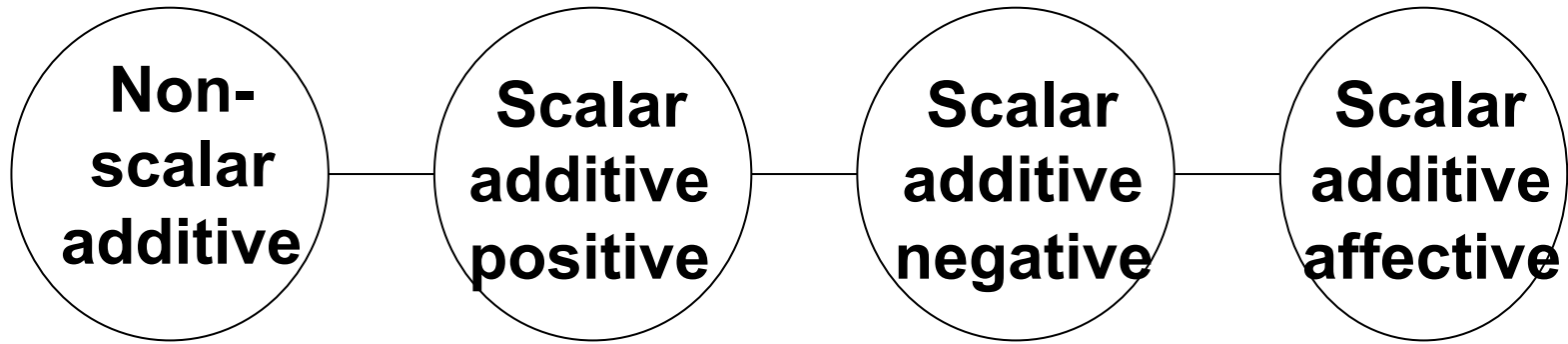
a. *Gure ikasleak ere, joan dira.*
our students also/even, go AUX
'Also/even our students went.'

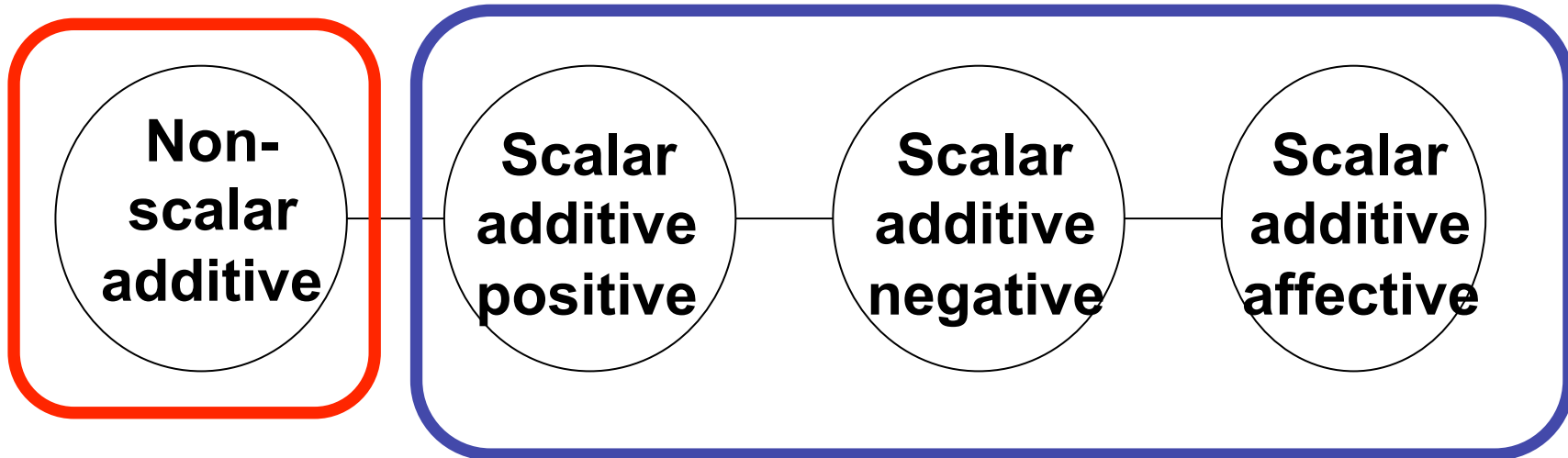
b. *Ez da matrikulatu ere (egin).*
not AUX register even do
'He didn't even register.'

c. *Hitz bat ere egiten badu, akabatuko dut.*
word one even do.IMPf if.AUX kill.FUT AUX

'If he says even one word, I'll kill him.'

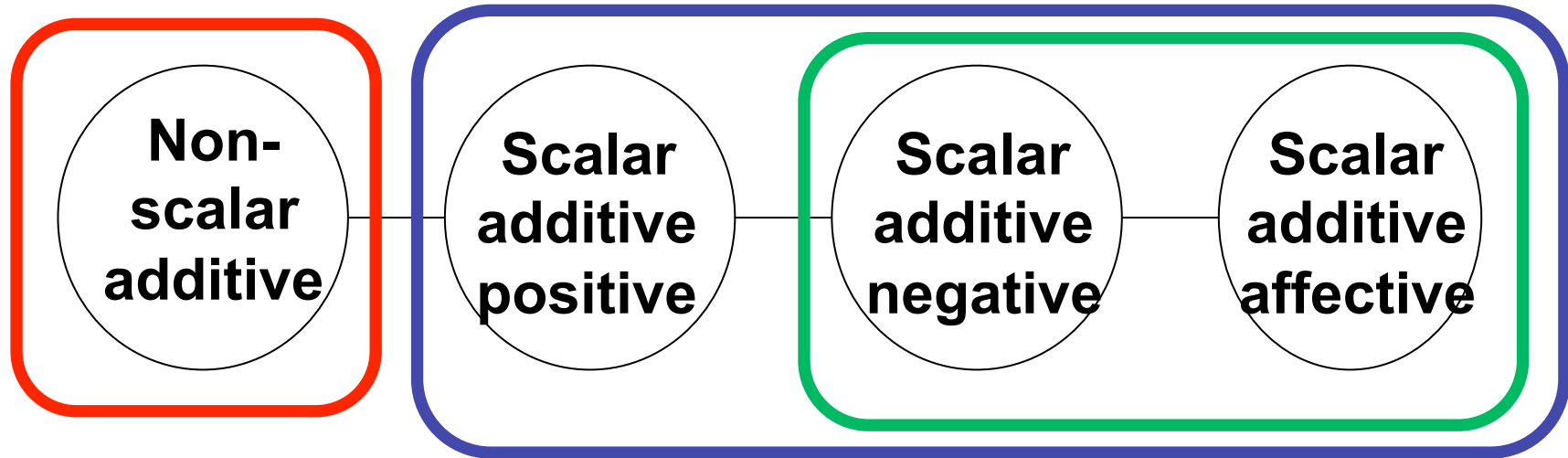
(Hualde & Ortiz de Urbina 2003: 556)





also

even



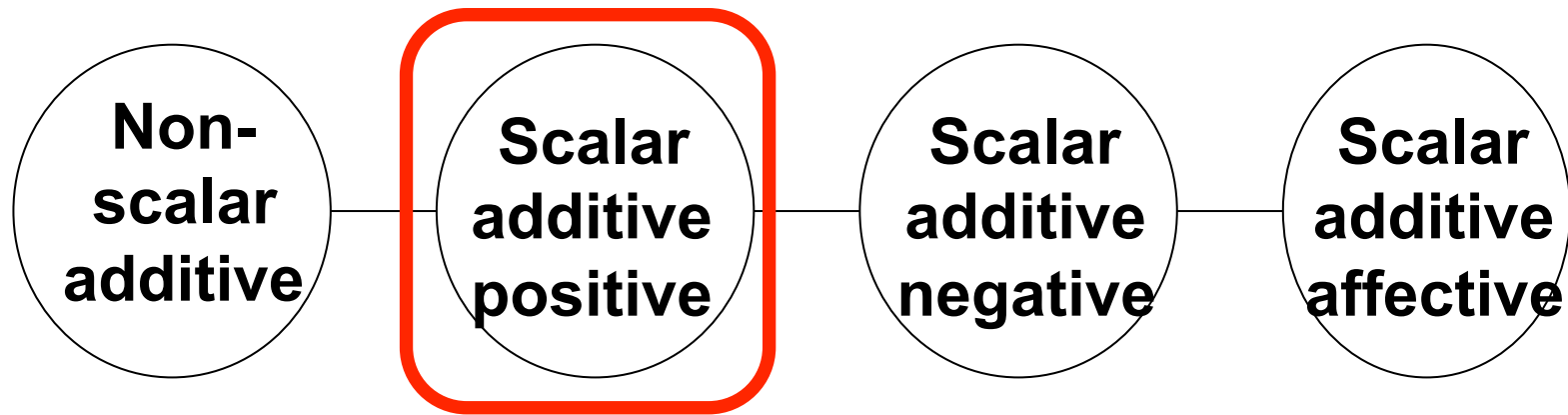
also

even

so much as

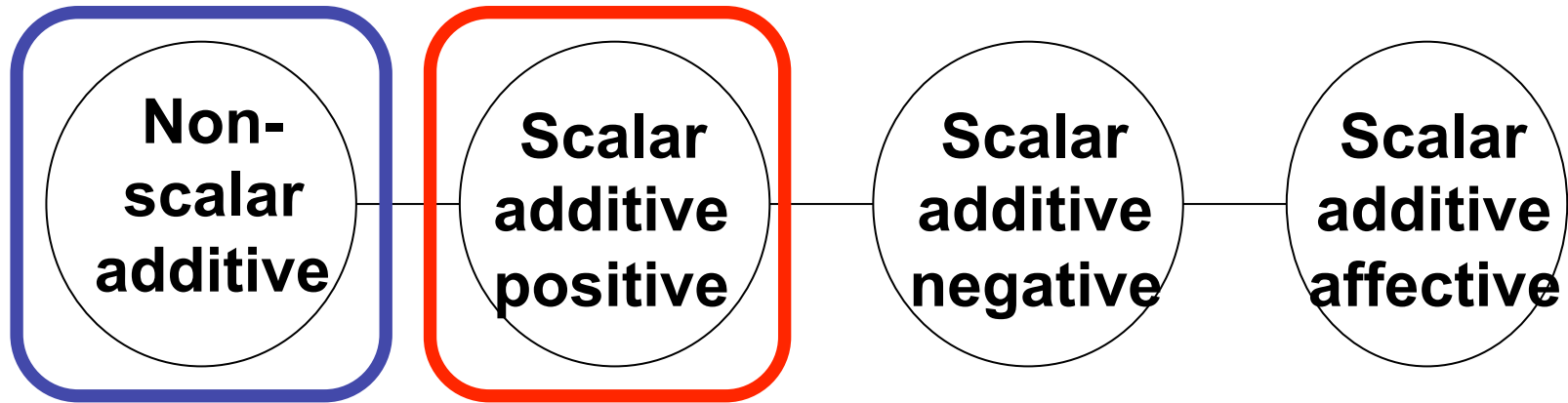
If you utter ***so much as one syllable, I'll hunt you down.***

He doesn't ***so much as say hello to me.***



sogar

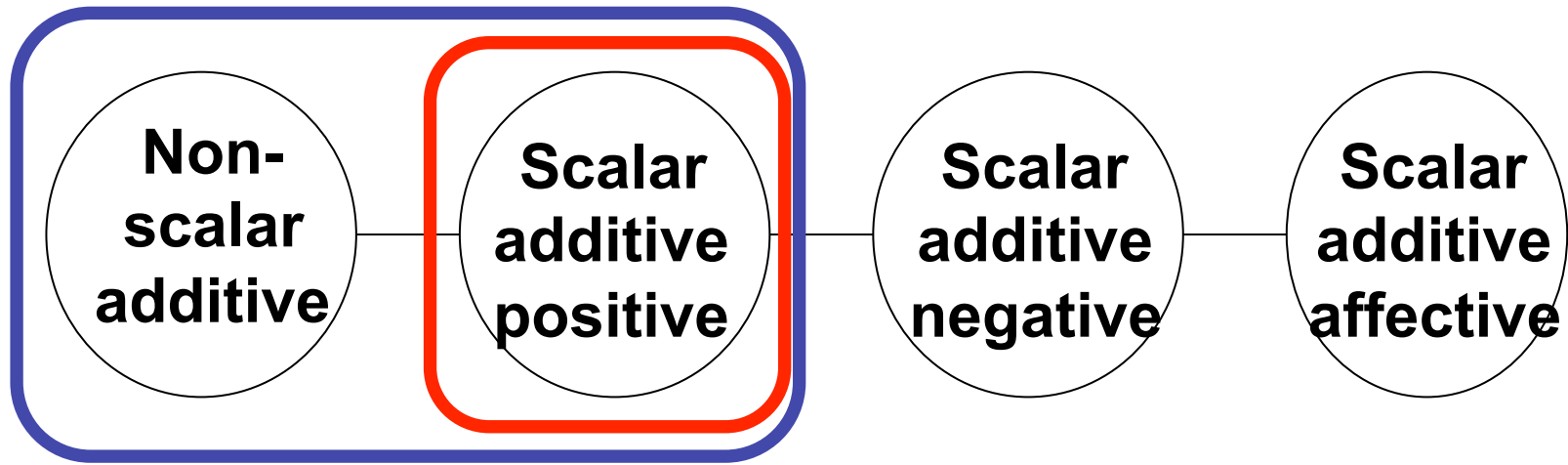
Was ist das für ein Mensch, dass **sogar** die Winde und das Wasser seinem Befehl gehorchen?



auch

sogar

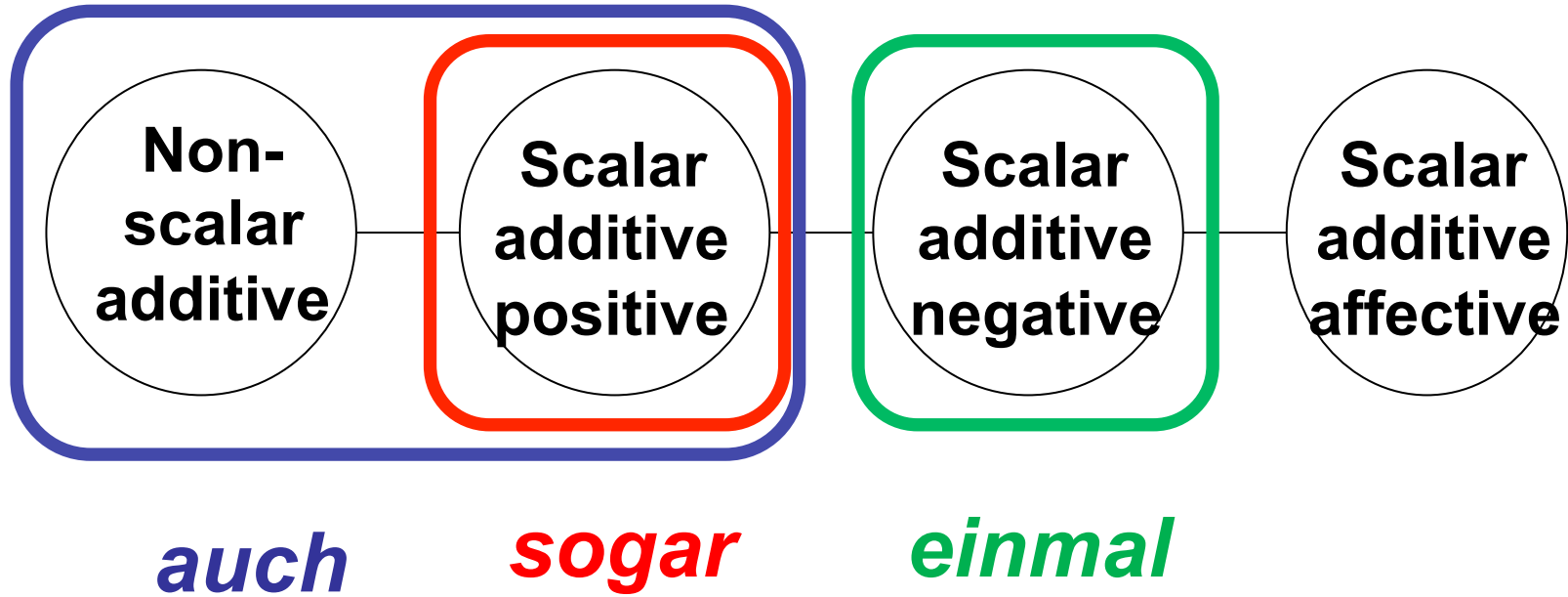
Was ist das für ein Mensch, dass **auch** / **sogar** die Winde und das Wasser seinem Befehl gehorchen?



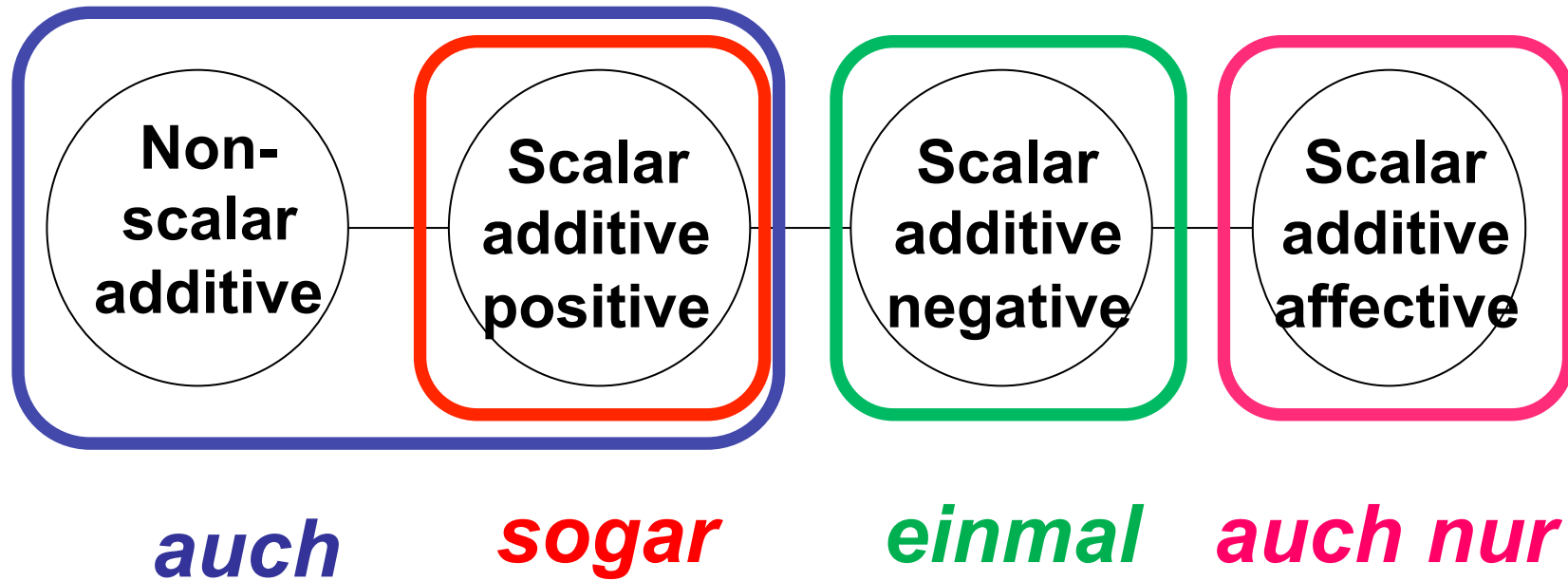
auch

sogar

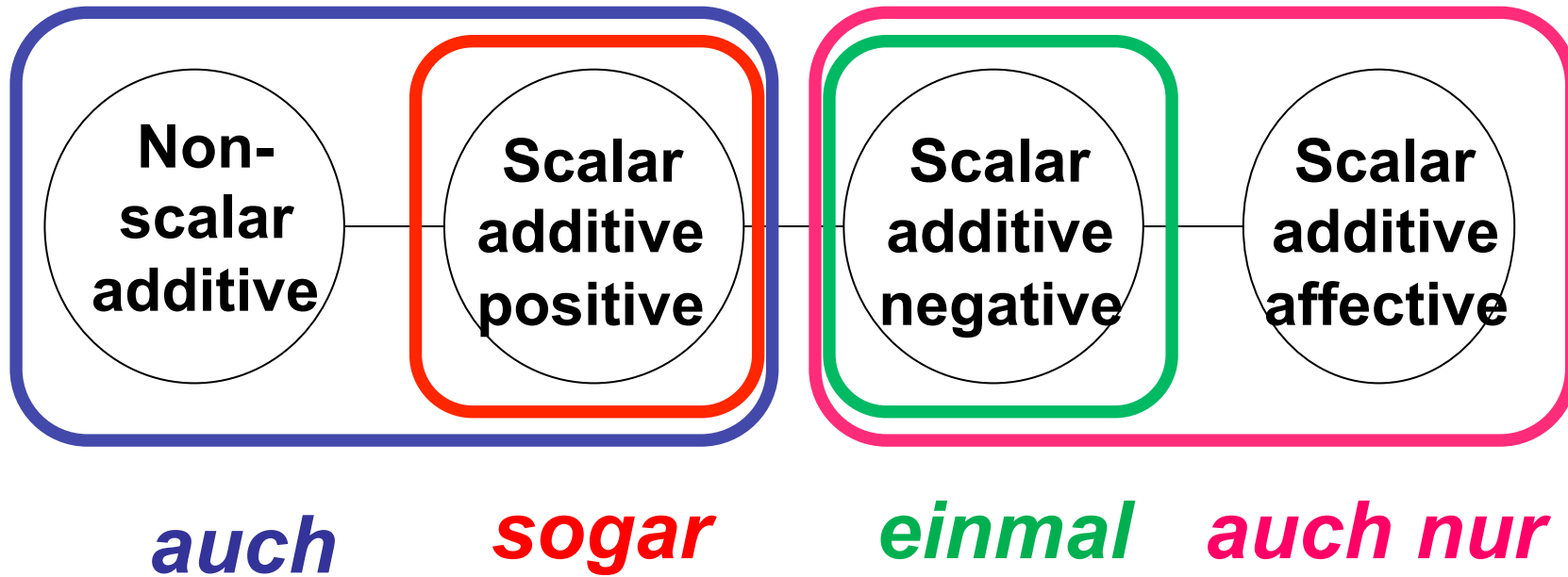
Auch der Dümme kann das verstehen.



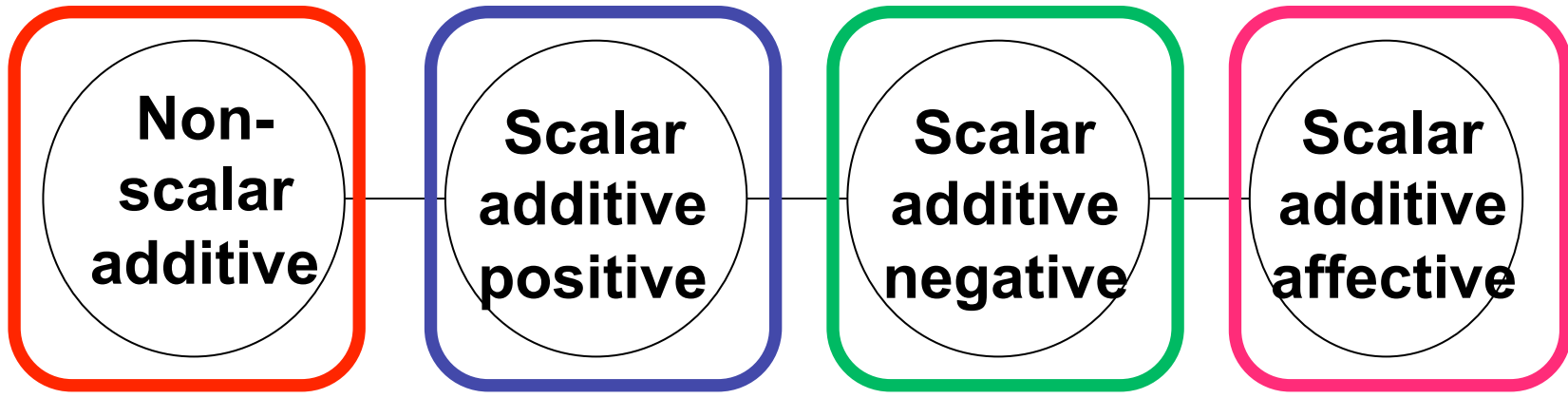
Nicht *einmal* seine Hunde gehorchen ihm.



Wenn du sie *auch nur* ansiehst, bekommst du Ärger.



Nie haben *auch nur* seine Hunde ihm gehorcht.

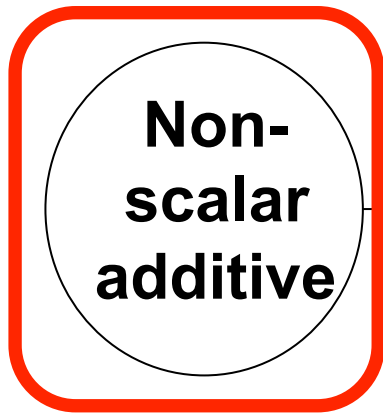


tambien

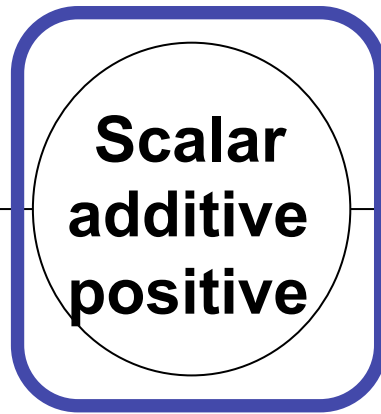
hasta

ni

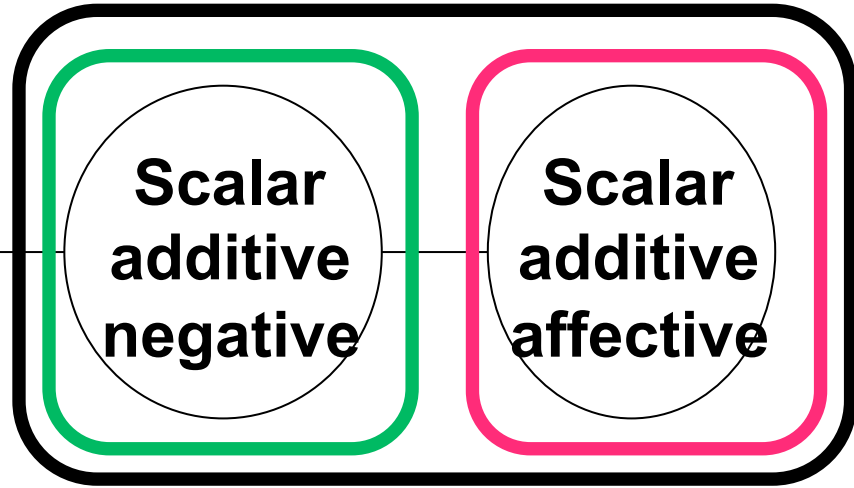
aunque
sea



tambien



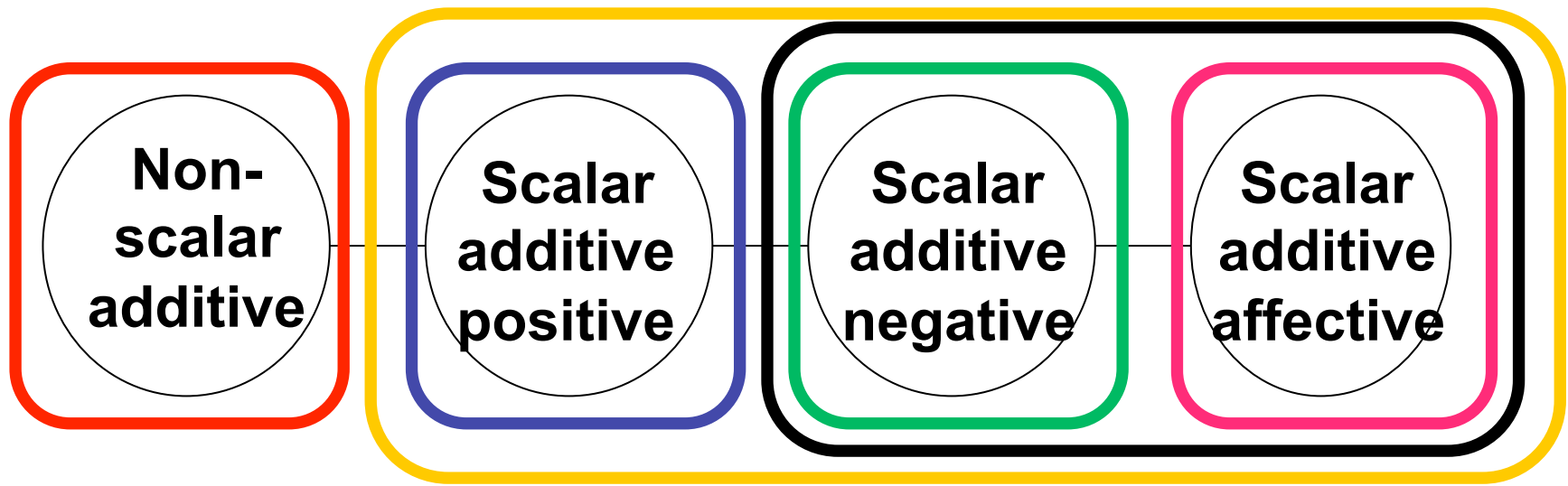
hasta



ni

aunque
sea

siquira



tambien

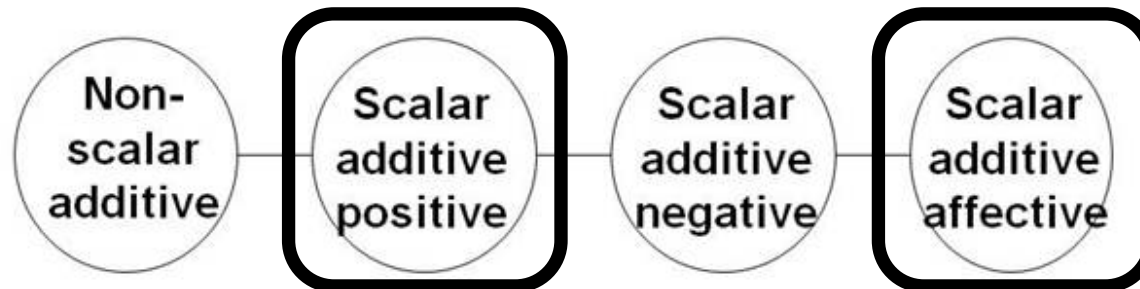
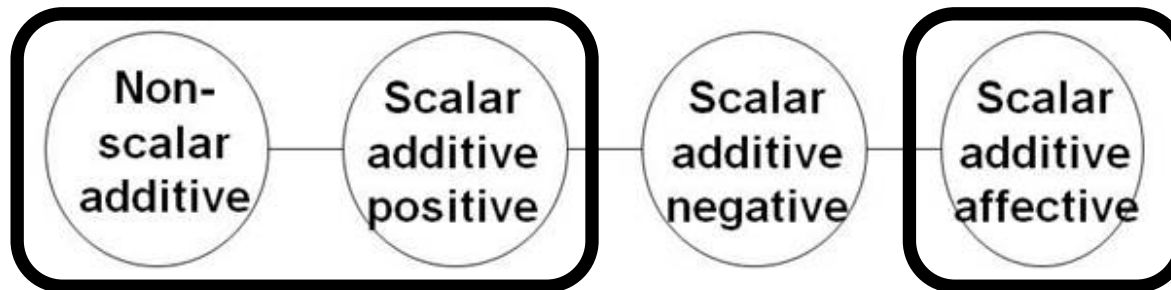
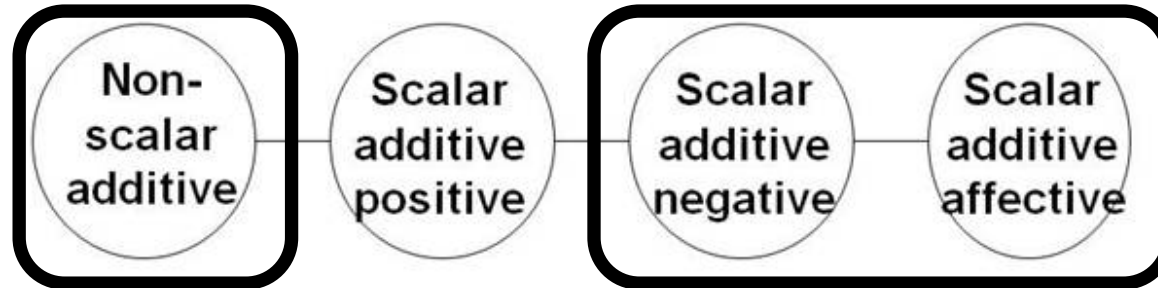
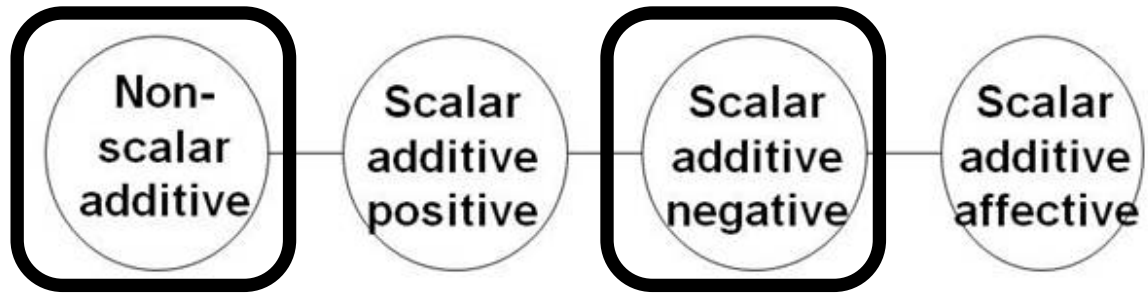
hasta

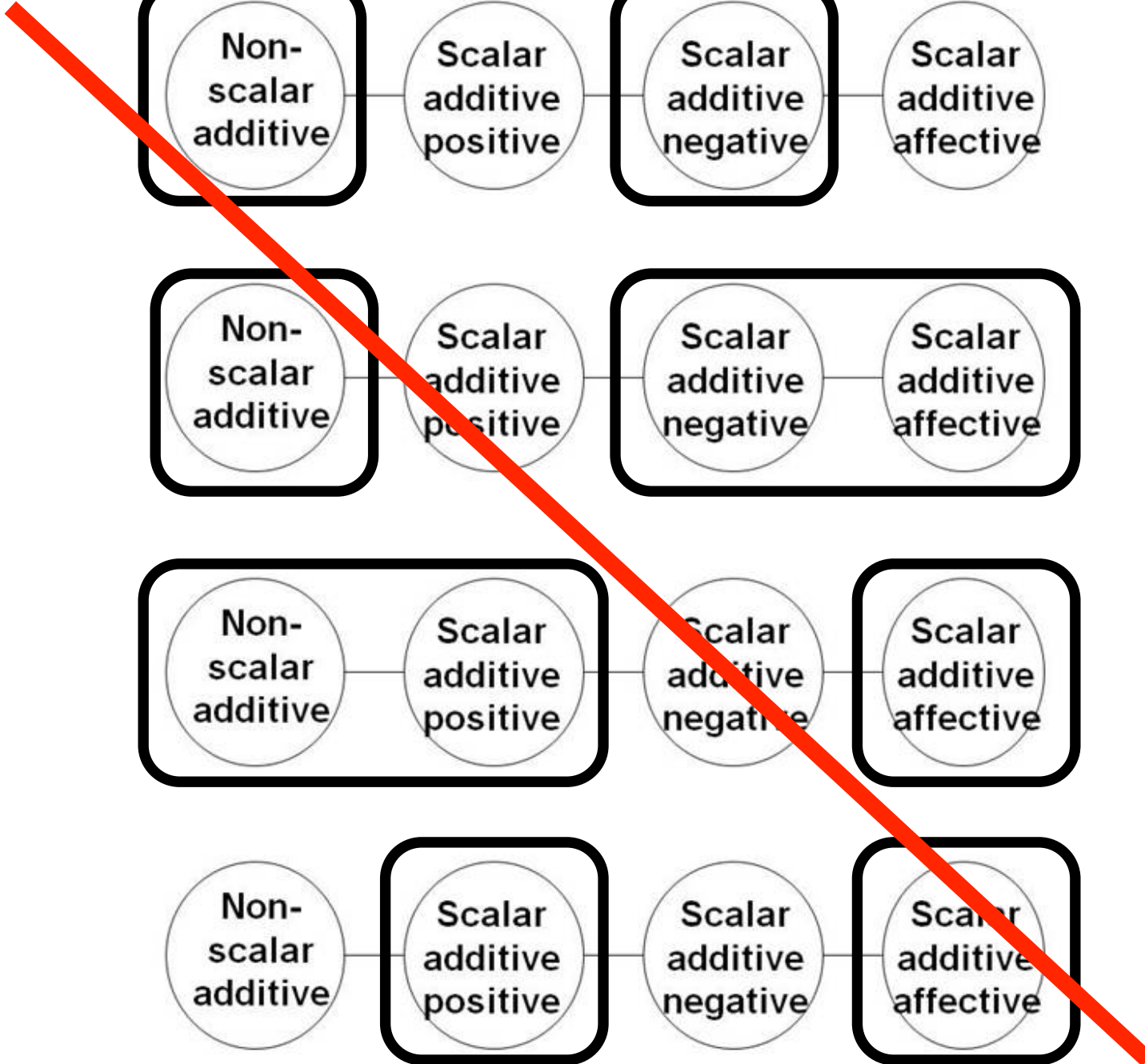
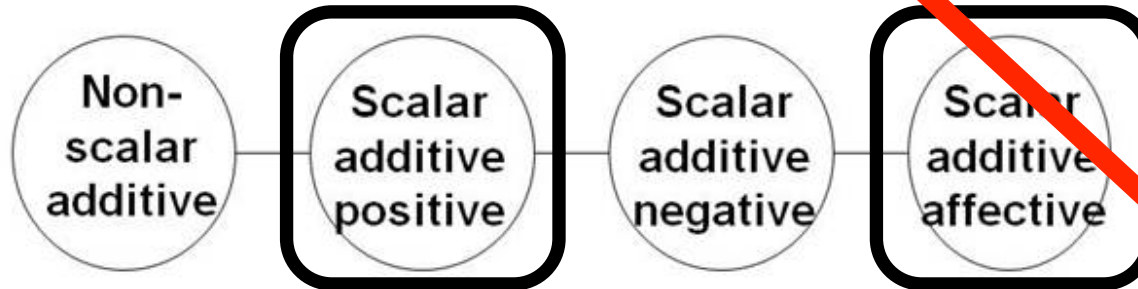
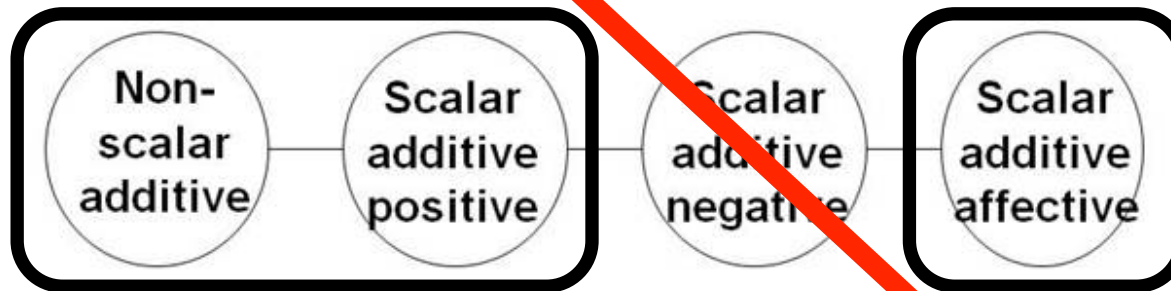
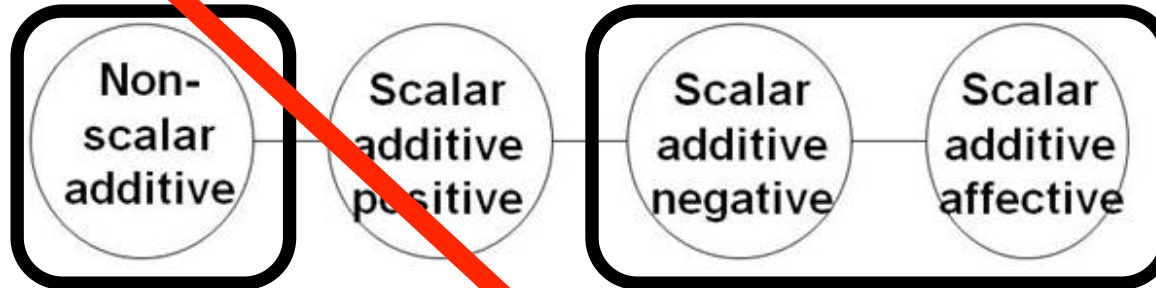
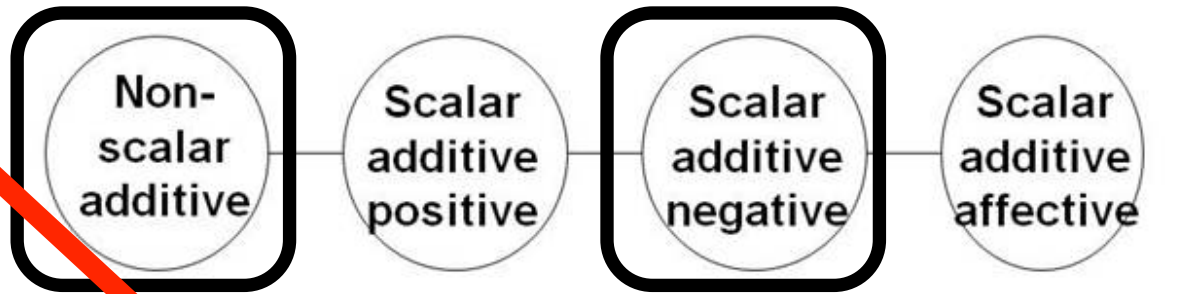
ni

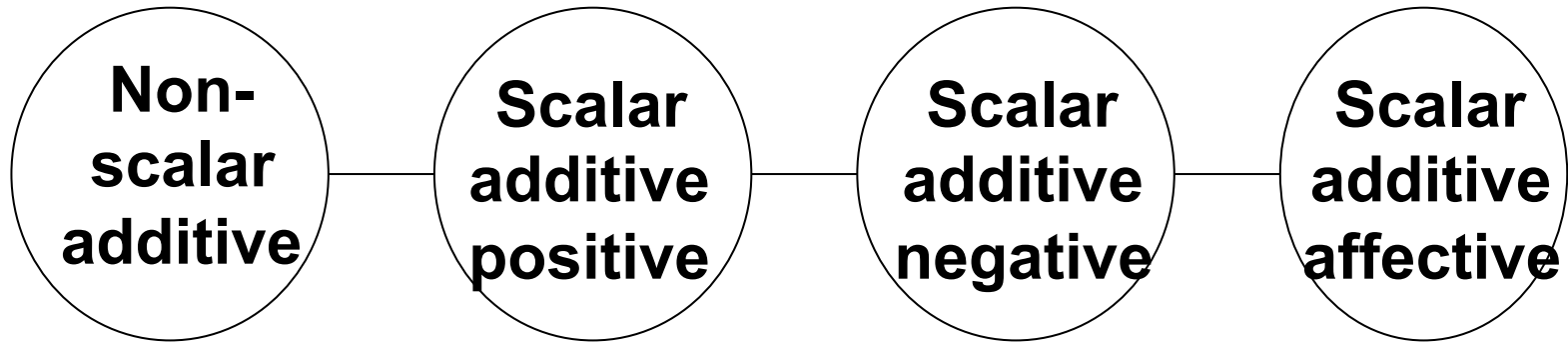
aunque
sea

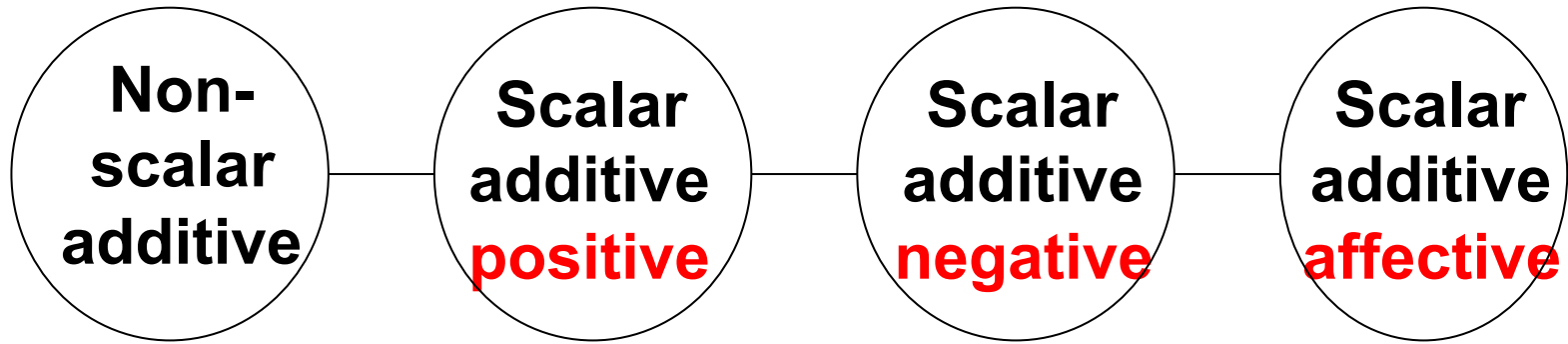
siquira

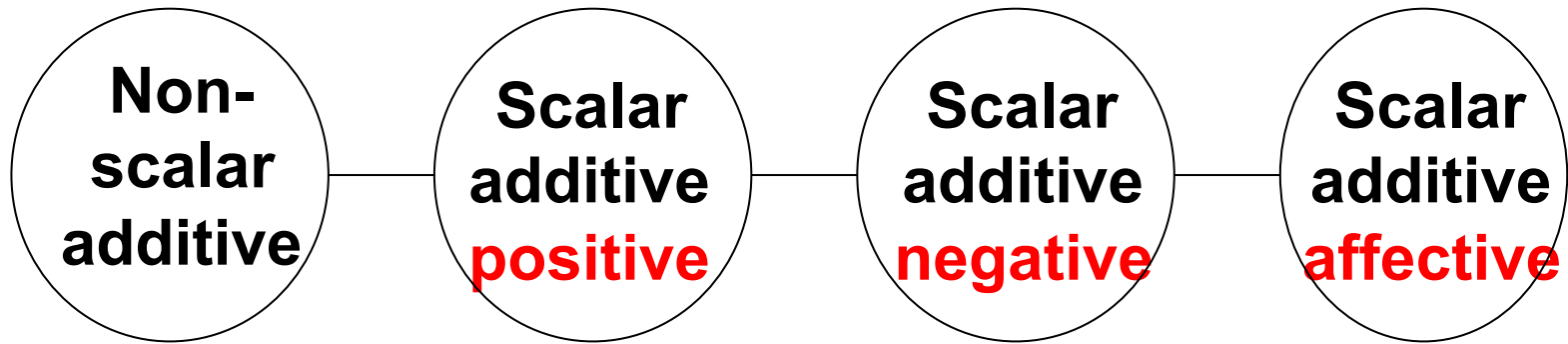
aun





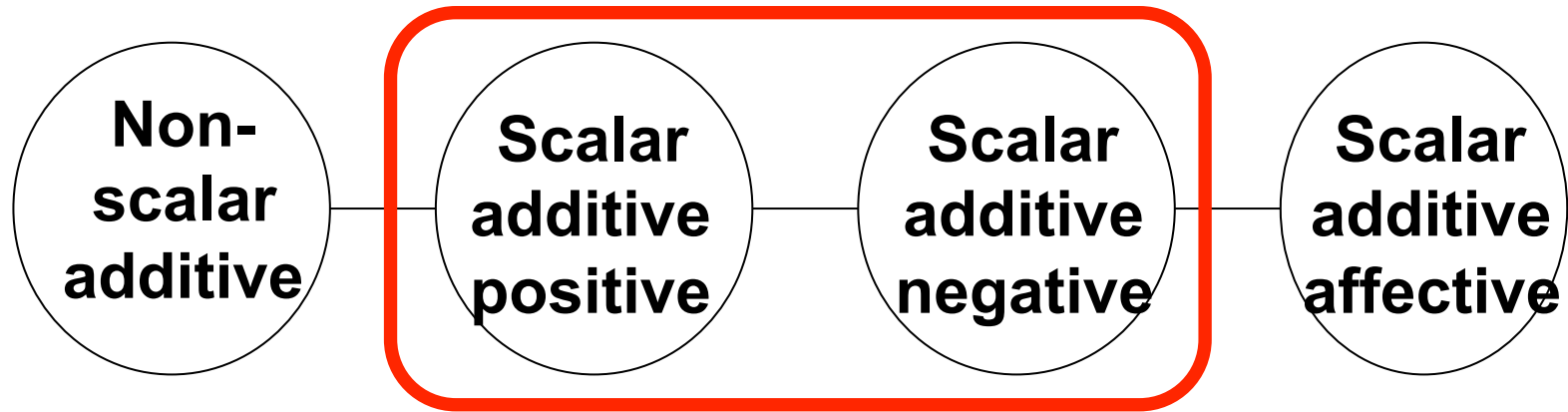






Haspelmath 1997: 296





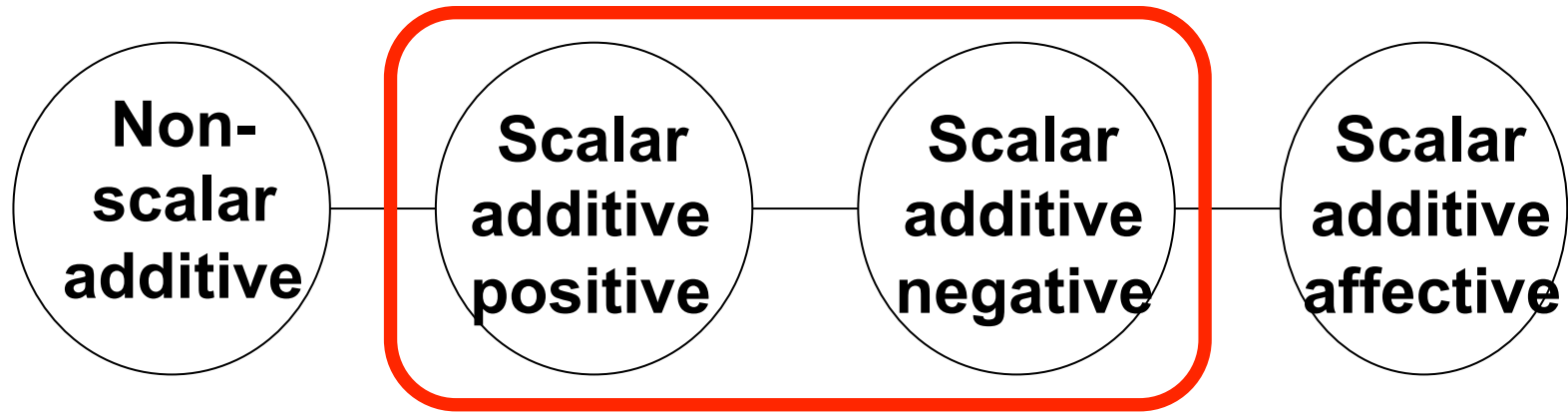
Czech *dokonce*

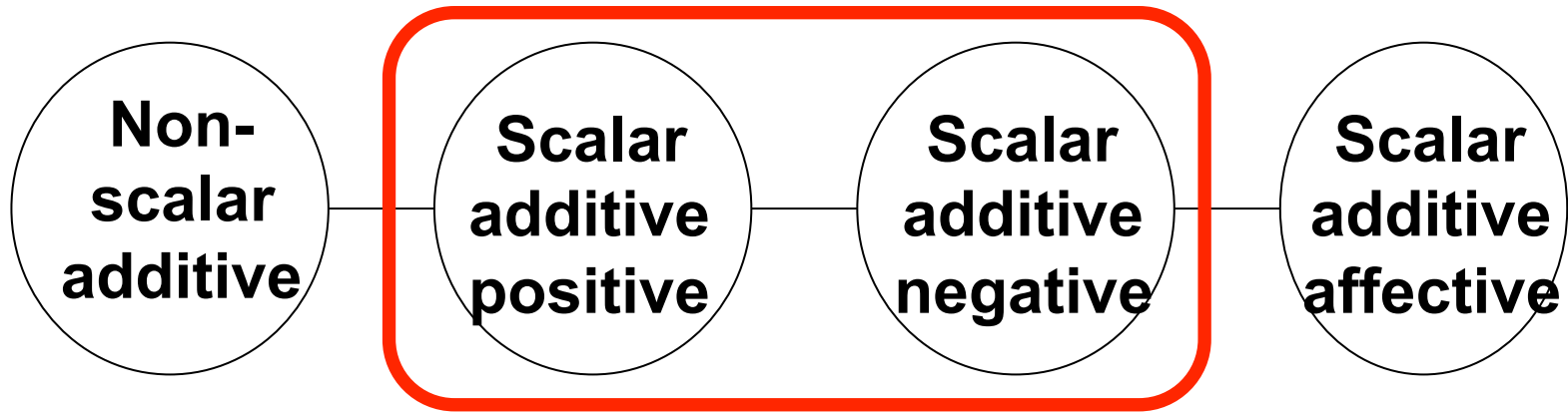
Slovak *dokonca*

Bosnian/Croatian/Serbian *čak*

Romanian *chiar și*

Japanese *-demo*





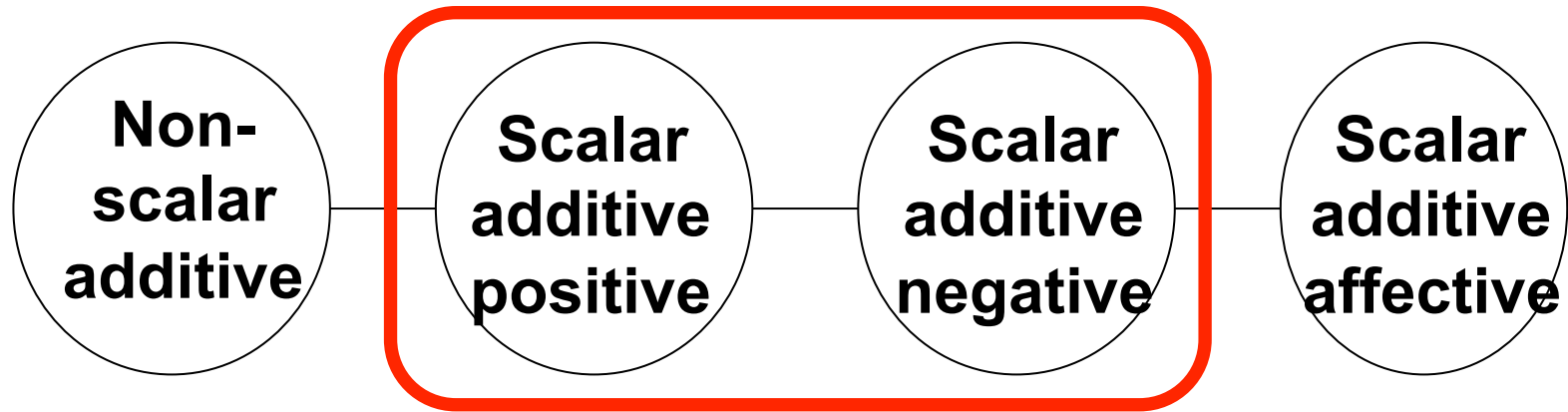
Pseudo-English

**even*

even

even

**even*



Pseudo-English

**even*

even

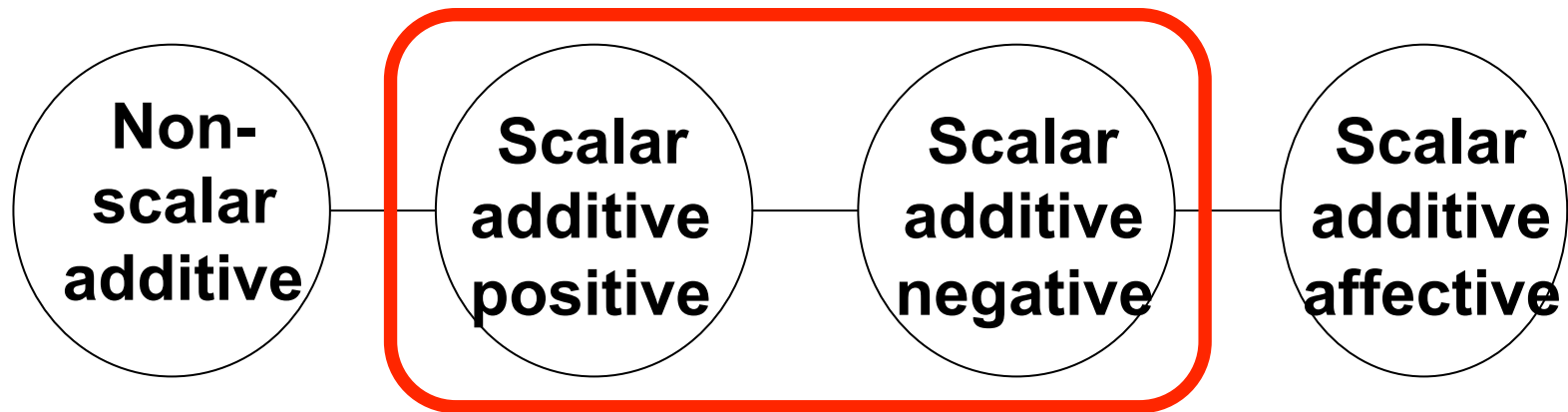
even

**even*

There was even water.

water.

There was not even water.



Pseudo-English

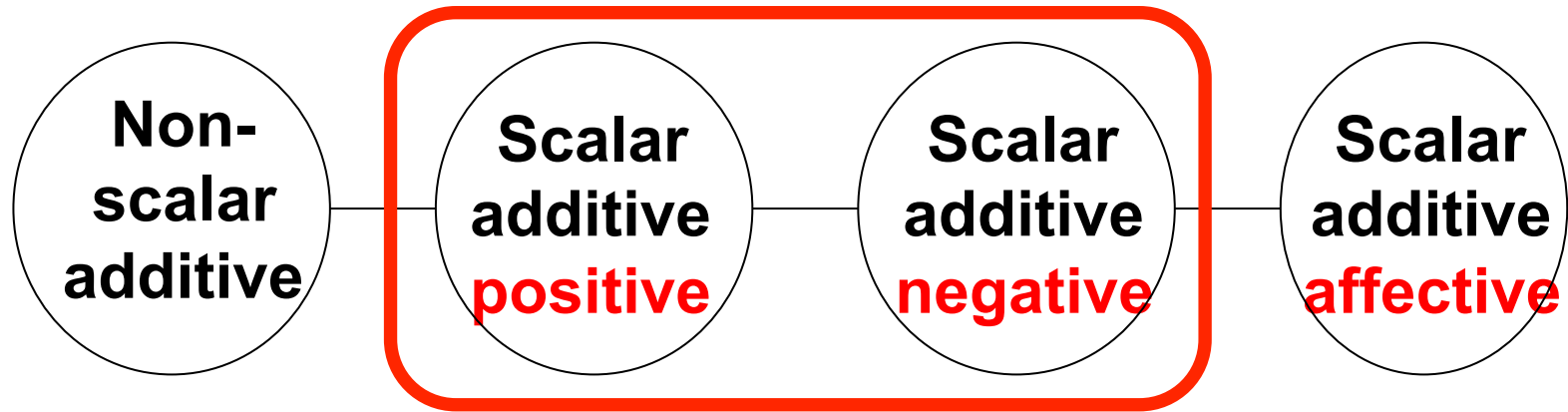
**even*

even

even

**even*

There was even no water. = *There was not even water.*



**So not just metonymy, metaphor,
generalization and specialization
... but also scope reversal**

Conclusion

Semantic maps are ideal for describing and explaining at least some aspects of synchronic and diachronic variation