

Ways of Encoding Scope in Natural Language

1. LEXICALLY.

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|-----|---|--------------------|
| | <u>English</u> | <u>Catalan</u> |
| (1) | a. Paul hasn't seen some boy.
b. Paul hasn't seen any boy. | Algun
Cap |
| (2) | a. Some 5-year old can do it.
b. Any 5-year old can do it. | Algun
Qualsevol |

2. MORPHO-SYNTACTICALLY.

- Kannada (Lidz 1998): Accusative marking forces wide scope of the object.

- (3) a. naanu **pustaka** ood-al-illa
I-NOM book read-INF-NEG
“There is a book that I didn't read”
“I didn't read any book.”
- b. naanu **pustaka-vannu** ood-al-illa
I-NOM book-ACC read-INF-NEG
“There is a book that I didn't read”
* “I didn't read any book.”
- (4) a. naanu **pustaka** huDuk-utt-idd-eene
I-NOM book look.for-NPST-be-1s
“There is a particular book that I am looking for.”
“I'm looking for a (any) book.”
- b. naanu **pustaka-vannu** huDuk-utt-idd-eene
I-NOM book-ACC look.for-NPST-be-1s
“There is a particular book that I am looking for.”
* “I'm looking for a (any) book.”

- Peninsular Spanish (conversations with T. Blean): lack of Prepositional marking in the DO forces narrow scope.

- (5) a. No he visto muchos niños.
Not I.have seen many kids.
* “There are many kids that I have not seen”.
“It is not the case that I have seen many kids.”
- b. No he visto **a** muchos niños.
Not I.have seen PREP many kids.
“There are many kids that I have not seen”.
“It is not the case that I have seen many kids.”

3. WORD ORDER.

- (6) German: [Diesing 1997]
- a. ... weil ich **selten jedes Cello** spiele.
since I seldom every cello play
“since I seldom play every cello” **seldom >> every cello**
- b. ... weil ich **jedes Cello selten** spiele.
since I every cello seldom play
“since I seldom play every cello” **every cello >> seldom**

- (7) Hindi: [Bhatt p.c.]
- a. **ek laRkaa har laRkii-se** pyaar kartaa hai
a boy every girl-with love do Pres.
“A boy loves every girl” Only reading: A boy >> every girl
- b. **har laRkii-se ek laRkaa** pyaar kartaa hai
every girl-with a boy love do Pres.
“A boy loves every girl” Both readings: A boy >> every girl
Every girl >> a boy

- (8) Medieval Latin: [Buridanus 1350]
- a. Debeo tibi **equum**.
I-owe you horse
“There is a particular horse that I owe you.”
“I owe you a horse (or other).”
- b. **Equum** tibi debeo.
Horse you I-owe
“There is a particular horse that I owe you.”
* “I owe you a horse (or other).”

4. INTONATION. [Büring 1997]

- (9) Q: Are all the politicians corrupt?
- (10) A: Nein, alle Politiker sind NICHT\ korrump. $\forall \neg, \neg \forall$
No, all politicians are NOT corrupt
- (11) A: Nein, /ALLE Politiker sind NICHT\ korrump. Only $\neg \forall$
No, ALL politicians are NOT corrupt