Coreference Resolution Examples

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Example

Apple Inc Chief Executive Tim Cook has jetted into China for talks with government officials as he seeks to clear up a pile of problems in the firm's biggest growth market... Cook is on his first trip to the country since taking over...

Heuristics: recency

- ▶ The doctor found an old map in the captain's chest.
- ▶ Jim found an even older map hidden on the shelf.
- ▶ It described an island.

Heuristics: prominence

- Asha loaned Mei a book on Spanish.
- ▶ **She** is always trying to help people.

Heuristics: parallelism

- Asha loaned Mei a book on Spanish.
- ▶ Olya loaned her a book on Portuguese.

Beyond heuristics

- ► The city council denied the protesters a permit because **they** *feared* violence.
- ► The city council denied the protesters a permit because **they** *advocated* violence.

Pronouns that do not refer to entities

- ► They told me I was too ugly for show business, but I didn't believe it.
- Asha saw Babak get angry, and I saw it too.
- Asha said she worked in security. That's one way to put it.
- Every farmer who owns a donkey beats it.
- ▶ It's too bad we have to work so hard.

Names

Match on heads?

► [Apple Inc Chief Executive [Tim Cook]] . . . [Cook] is on his first trip . . .

Nominals

Apple Inc Chief Executive Tim Cook has jetted into China for talks with government officials as he seeks to clear up a pile of problems in the firm's biggest growth market... Cook is on his first trip to the country since taking over...

- ► Talks, the firm, the firm's biggest growth market, the country
- ▶ These seem to require world knowledge to address.