

Aspect

Remark on the present tense in English

- (15)
- a. John goes to the bar every week.
 - b. John is going to the bar now.

- We saw problems with the present tense in English.
- Sentences above actually have **aspect**: **habitual** and **progressive**!

Marking aspect

Perfective aspect

- **Participle:** *eaten*, *danced*, *written*
 - It is often called Past Participle, but it is not necessarily “past”:

(16) John will have danced.

- **Auxiliary *have*:**

- | | | | |
|------|----|------------------------------|--------------------|
| (17) | a. | John has eaten. | present perfective |
| | b. | John had eaten. | past perfective |
| | c. | John will have eaten. | future perfective |

Marking aspect

Progressive aspect

- *-ing* form of the verb: *eating*, *dancing*, *writing*
 - It is often called Present Participle or **Gerund**.
- Auxiliary *be*:

(18)	a.	John is <i>eating</i> .	present progressive
	b.	John was <i>eating</i> .	past progressive
	c.	John will be <i>eating</i> .	future progressive

Combining aspects

Aspects can be combined

- **Perfective** and **Progressive** aspects can be combined.
 - **Participle** of the verb *to be* — *been*;
 - *-ing* form of the main verb.

- (19)
- John **has been** eating.
 - John **had been** eating.
 - John will **have been** eating.

Fixed order

The order is always fixed: **Perf > Prog**.

- (20)
- *John **is having** eaten.
 - *John **was having** eaten.
 - *John will **be having** eaten.

Properties of auxiliaries *have* and *be*

Verbal and modal properties

Auxiliaries share some properties with **verbs** and some with **modals**.

Morphology: Verbal property

- Auxiliaries have **verbal morphology**:
 - Subject agreement
 - Tense

- (21) a. John **has** finished his novel.
b. John **was** writing a novel.

- (22) John **drinks** beer.

Properties of auxiliaries *have* and *be*

Verbal and modal properties

Auxiliaries share some properties with **verbs** and some with **modals**.

Order: Verbal property

- Auxiliaries can **cooccur with modals** and always **follow them**:

(23) a. Bill **must have** booked this hotel.

b. Anna **should be** sleeping now.

(24) John **should visit** Spain.

Properties of auxiliaries *have* and *be*

Verbal and modal properties

Auxiliaries share some properties with **verbs** and some with **modals**.

Negation: Verbal property

- Auxiliaries can appear **after negation**:

- (25) a. Katy could **not have** done that.
b. Don should **not have** paid to his lawyer.
- (26) John should **not eat** sushi.

Properties of auxiliaries *have* and *be*

Verbal and modal properties

Auxiliaries share some properties with **verbs** and some with **modals**.

Negation: Modal property

- Auxiliaries can appear **before negation**:

(27) a. Ming **is not** working there anymore.

b. Mike **has not** told the truth.

(28) John **can not** swim.

Properties of auxiliaries *have* and *be*

Verbal and modal properties

Auxiliaries share some properties with **verbs** and some with **modals**.

Order: Modal property

- Auxiliaries must **cooccur with verbs** and must **precede them**:

(29) a. She **is writing** a report for NYT.

b. Mike **has lied** to FBI.

(30) George **must plead** guilty.

Properties of auxiliaries *have* and *be*

Verbal and modal properties

Auxiliaries share some properties with **verbs** and some with **modals**.

Questions: Modal property

- Auxiliaries must **move to the front of the sentence in questions**:

(31) a. **Is** the world coming to an end?

b. **Has** she ever talked to you?

(32) **Can** this tiger attack me?

Properties of auxiliaries *have* and *be*

Verbal and modal properties

Auxiliaries share some properties with **verbs** and some with **modals**.

Not a part of VP: Modal property

- Auxiliaries are **not a part of VP**:

(33) I planned to **have played the piano** and **played the piano** I **have**.

Properties of auxiliaries *have* and *be*

Summary

Verbal properties

Cooccur with and follow modals

Appear after negation

Morphology and agreement

—

—

Modal properties

Cooccur with and precede verbs

Appear before negation

—

Front in questions

Outside of VP

Auxiliary properties

Denote aspect and tense (*will*)

Can be completely meaningless (*do*)

Can cooccur with each other

Occur in fixed order *have* > *be*

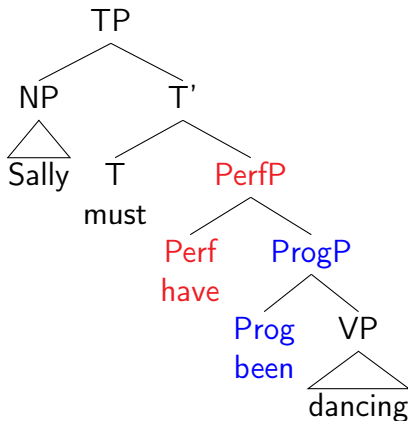
Position of auxiliaries

Auxiliary projections

- Each auxiliary is a head of its own aspectual phrase (projection):
 - have** is a head of **PerfP**.
 - be** is a head of **ProgP**.
 - PerfP** > **ProgP**

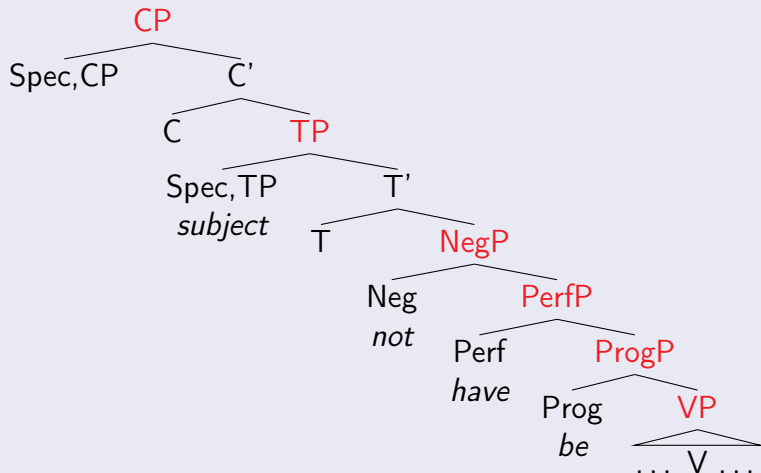
Universal hierarchy

TP > PerfP > ProgP > VP



Universal order of projections

- We have shown that there is a **universal order of projections**:



Selection

(34) CP > TP > NegP > PerfP > ProgP > VP

- Some of these projections are **optional**:
 - **NegP**, **PerfP**, **ProgP**: we only use them if we have **negation**, or **perfective** or **progressive** aspect.
- **C** “cares about” what comes after it. **TP** is mandatory, so **C** cares about the type of **T** (finite or non-finite or ...).
- **T** “cares about” what comes after it – can be **NegP**, **PerfP**, **ProgP**, or **VP**.
- **Neg** “cares about” what comes after it – can be **PerfP**, **ProgP**, or **VP**.
- **Perf** “cares about” what comes after it – can be **ProgP** or **VP**.
- **Prog** “cares about” what comes after it – and it can only be **VP**.

