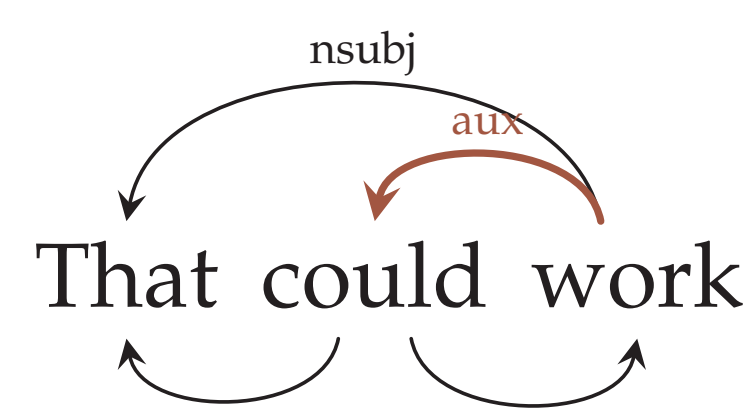


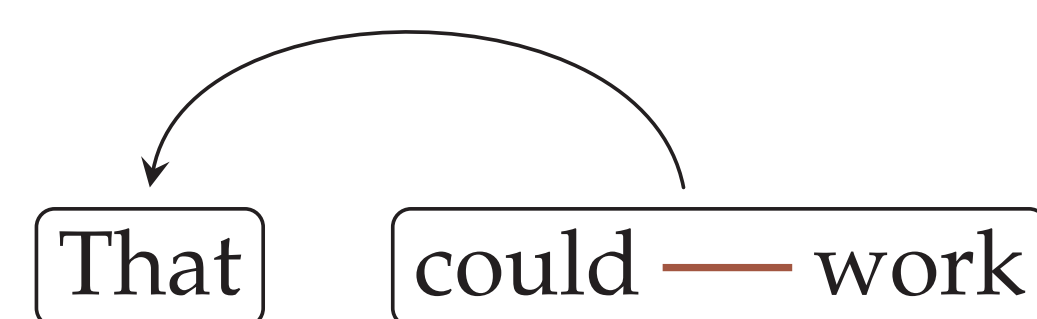


## Auxiliary Verb Constructions (AVCs)

Dependency Parsing



Tesnière

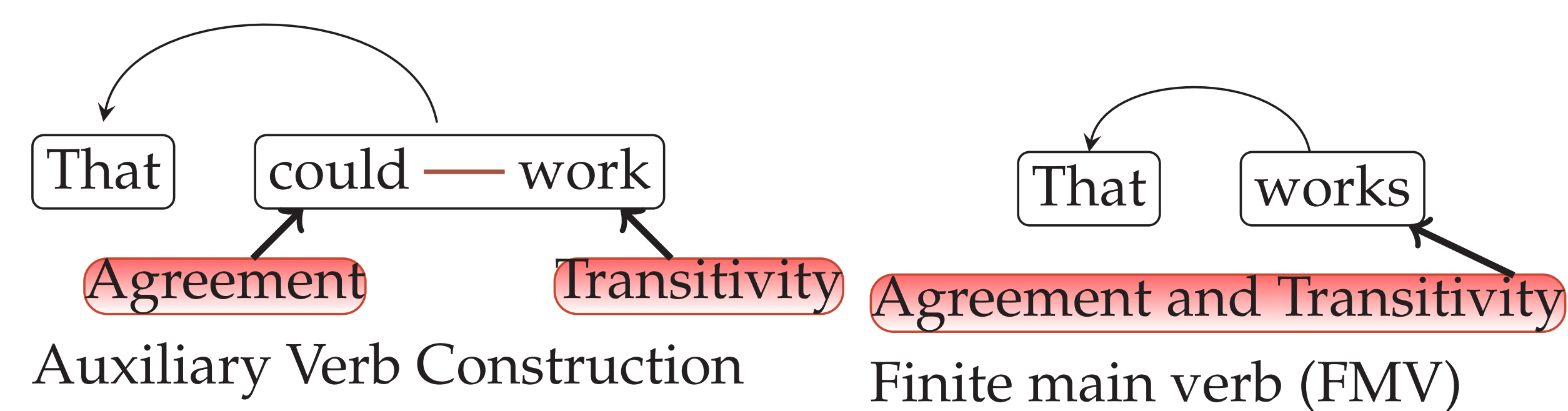


	parsing	Tesnière
Unit of syntax	words	nucleus
Relations btw units	dependency	dep, transfer, junction

## Contributions

- We theoretically motivate that a parser **should** learn the notion of dissociated nucleus.
- We develop a methodology to test this for AVCs using diagnostic classifiers.
- We find that a BiLSTM parser **does** not learn this notion.
- We find that **can** learn it this if it is augmented with a tree layer.

## Diagnostic classifiers

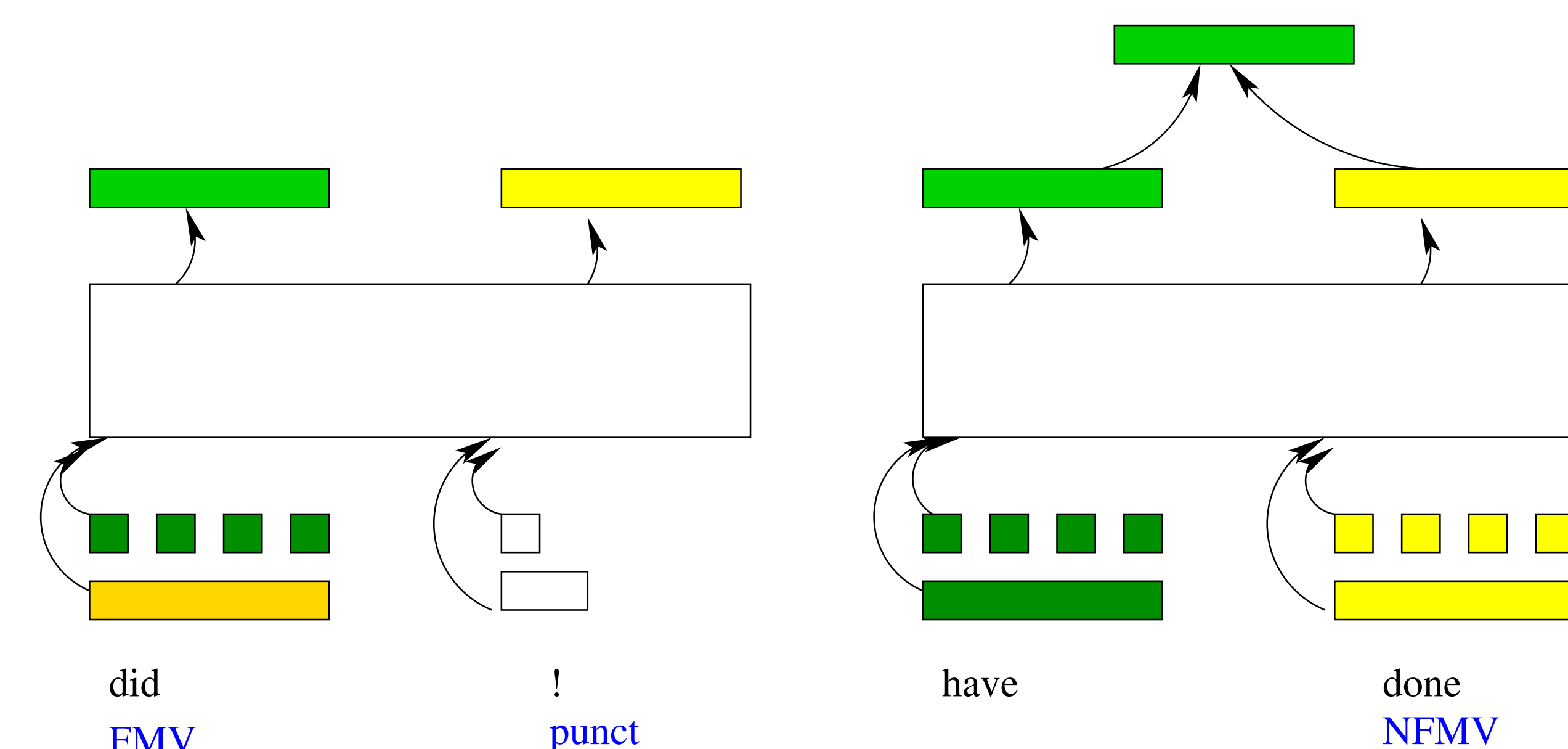


## Experiments

## Dataset

		FMV train	dev	punct train	dev	AVC train	dev
T	Catalan	14K	2K	7K	964	12K	2K
	Croatian	6K	803	4K	491	5K	653
	Dutch	9K	618	6K	516	5K	251
	Finnish	12K	1K	9K	1K	4K	458
A	Catalan	14K	2K	7K	964	12K	2K
	Croatian	6K	803	4K	491	5K	653
	Dutch	9K	618	6K	516	5K	246
	Finnish	10K	1K	8K	850	4K	443

Agreement



Transitivity

