

Stack	Buffer	New Dependency	Transition
[ROOT]	[I, parsed, this, sentence, correctly]		Initial Configuration
[ROOT, I]	[parsed, this, sentence, correctly]		SHIFT
[ROOT, I, parsed]	[this, sentence, correctly]		SHIFT
[ROOT, parsed]	[this, sentence, correctly]	parsed \Rightarrow I	LEFT-ARC
[ROOT, parsed, this]	[sentence, correctly]		SHIFT
[ROOT, parsed, this, sentence]	[correctly]		SHIFT
[ROOT, parsed, sentence]	[correctly]	sentence \Rightarrow this	LEFT-ARC
[ROOT, parsed]	[correctly]	parsed \Rightarrow sentence	RIGHT-ARC
[ROOT, parsed, correctly]	[]		SHIFT
[ROOT, parsed]	[]	parsed \Rightarrow correctly	RIGHT-ARC
[ROOT]	[]	ROOT \Rightarrow parsed	RIGHT-ARC

Q 1. Dependency Parse Example in Part 3 of the PDF

The table with the individual steps in the parsing process is given above.

Q 2. Errors in Dependency Parses (Part 6 of the PDF)

Sentence: I disembarked and was heading to a wedding fearing my death.

- Error type: Verb Phrase Attachment Error
- incorrect Dependency: wedding \Rightarrow fearing
- Correct Dependency: disembarked \Rightarrow fearing

Sentence: It makes me want to rush out and rescue people from dilemmas of their own making.

- Error type: Coordination Attachment Error
- incorrect Dependency: makes \Rightarrow rescue
- Correct Dependency: rush \Rightarrow rescue

Sentence: It is on loan from a guy named Joe O'Neill in Midland, Texas.

- Error type: Prepositional Phrase Attachment Error
- incorrect Dependency: named \Rightarrow Midland
- Correct Dependency: guy \Rightarrow Midland