

a,	Stack	buffer	new dependency	transition
	[Root, parsed, this]	[Sentence, correctly]		SH IFT
	[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 - correctly	RIGHT-ARC
	[Root]	[]	Root \rightarrow parsed	RIGHT-ARC

b, $O(2n)$, each word of sentence have to be shifted onto stack, so a sentence containing n words will be parsed in $2n$ steps