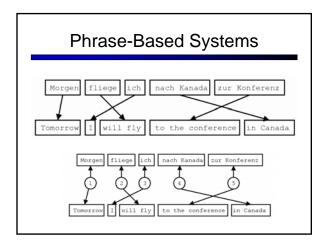
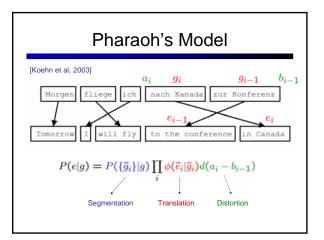
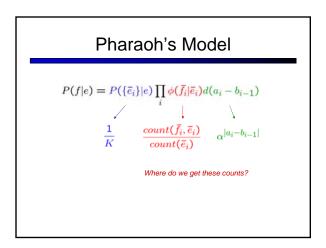
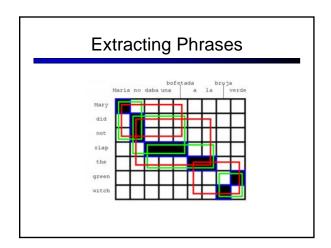


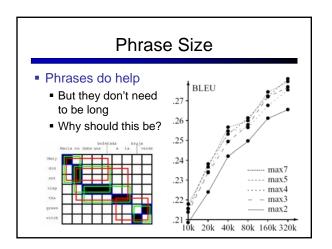
Phrases in IBM Models				
	nodding			
	f	$t(f \mid e)$	ϕ	$n(\phi \mid e)$
	signe	0.164	4	0.342
he is nodding	la	0.123	3	0.293
	tête	0.097	2	0.167
	oui	0.086	1	0.163
il hoche la tête	fait	0.073	0	0.023
	que	0.073		
	hoche	0.054		
	hocher	0.048		
	faire	0.030		
	me	0.024		
	approuve	0.019		
	qui	0.019		
	un	0.012		1
	faites	0.011		

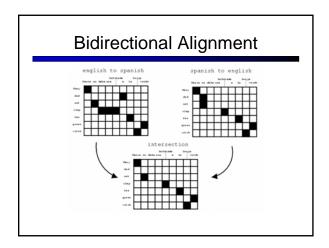


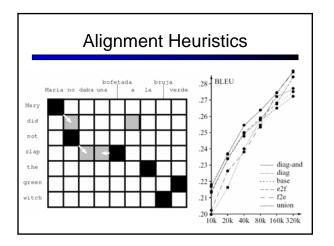


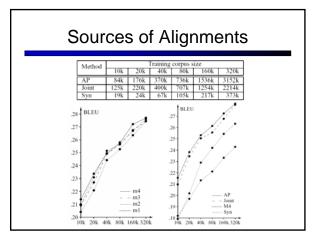


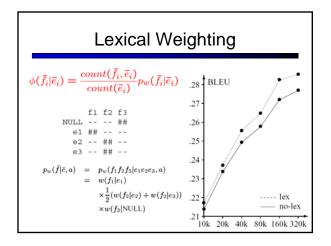


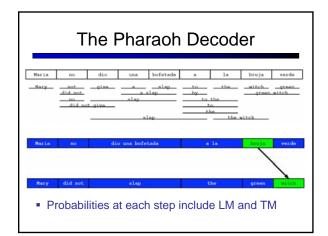


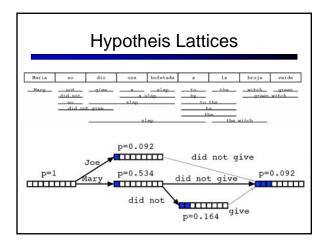


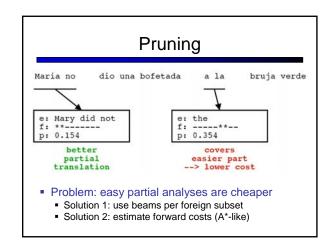












What's Next?

- Modeling syntax
 - PCFGs and phrase structure
 - Syntactic parsing
 - Grammar induction
 - Syntactic language and translation models
- Speech systems
 - Acoustics
 - Applications
 - Application