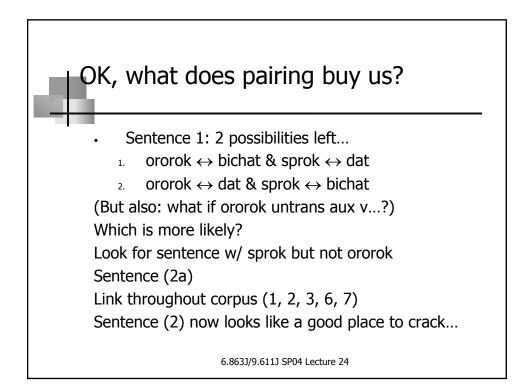
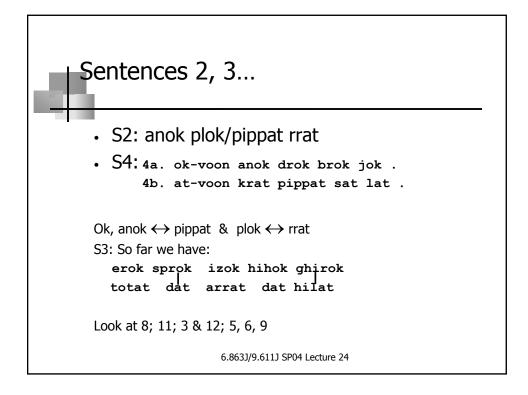
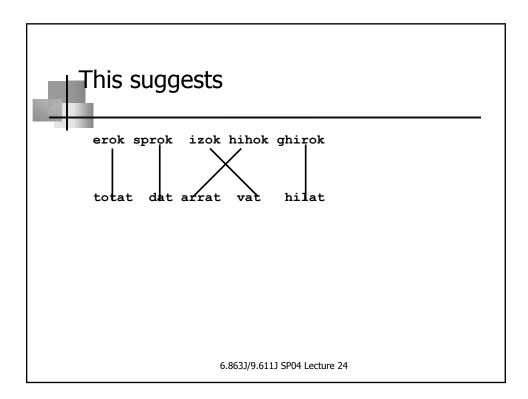
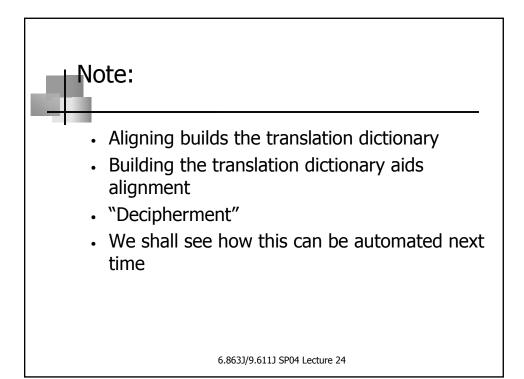


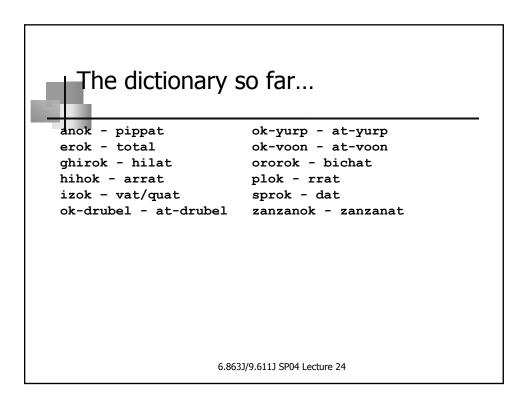
To begin
<pre>1a. ok-voon ororok sprok . 2a. ok-drubel ok-voon anok plok sprok .</pre>
1b. at-voon bichat dat . 2b. at-drubel at-voon pippat rrat dat .
3a. erok sprok izok hihok <u>ghirok</u> .4a. ok-voon anok drok brok jok .
3b. totat dat arrat vat hilat .4b. at-voon krat pippat sat lat .
5a. wiwok farok izok stok . 6a. lalok sprok izok jok stok .
5b. totat jjat quat cat . 6b. wat dat krat quat cat .
7a. lalok farok ororok lalok sprok izok enemok . 7b. wat jjat bichat wat dat vat eneat .
8a. lalok brok anok plok nok . 9a. wiwok nok izok kantok ok-yurp .
8b. iat lat pippat rrat nnat . 9b. totat nnat quat oloat at-yurp .
10a. lalok mok nok yorok <u>ghirok</u> clok . 10b. wat nnat gat mat bat hilat.
11a. lalok nok crrrok hihok yorok zanzanok . Translation dictionary: 11b. wat nnat arrat mat zanzanat . ghiork - hilat ok-drubel - at-drubel
12a. lalok rarok nok izok hihok mok . ok-voon - at-voon 12b. wat nnat forat arrat vat gat . 6.8633/9.611J SP04 L 9GHAROK - zanzanat

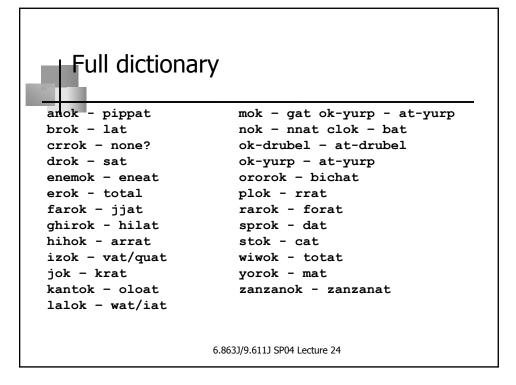


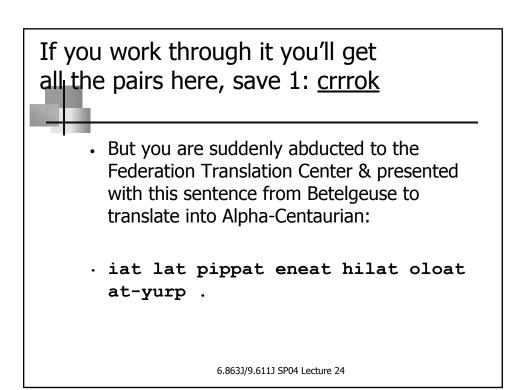


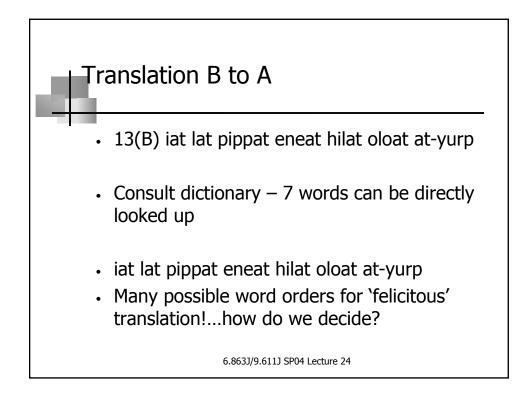


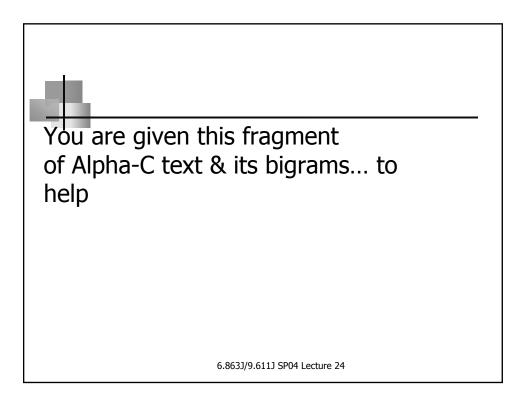


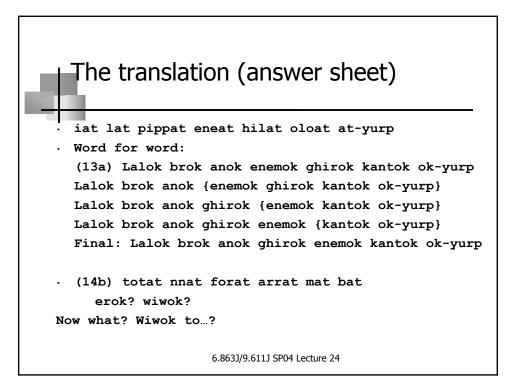


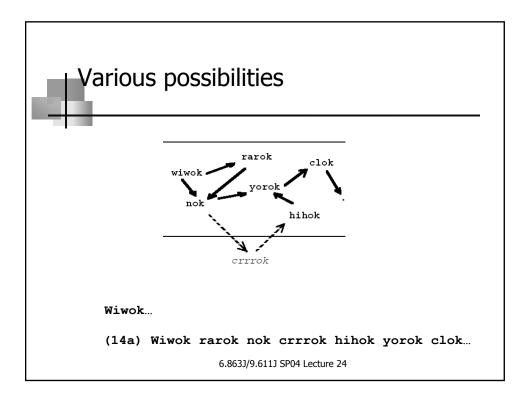


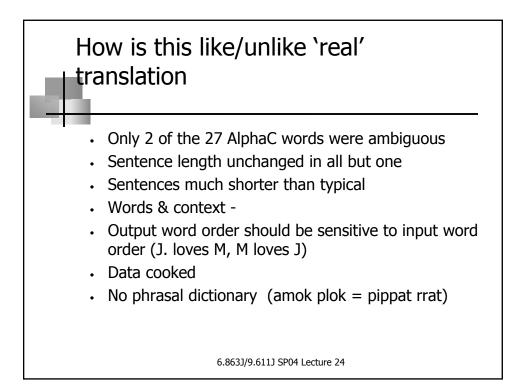


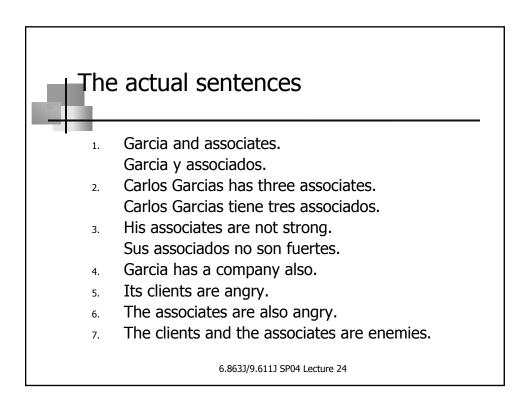


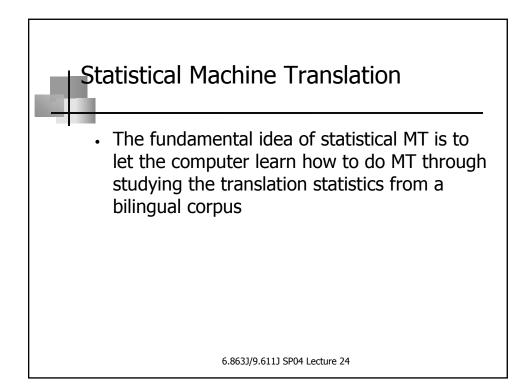


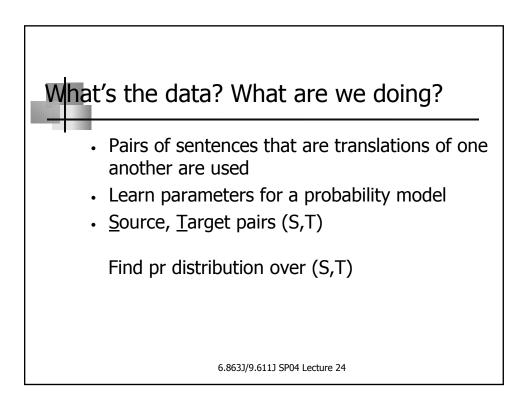


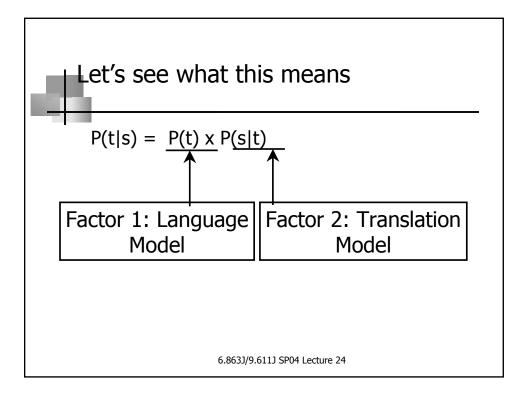


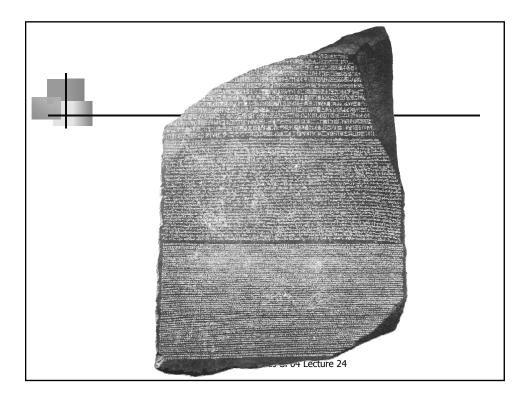


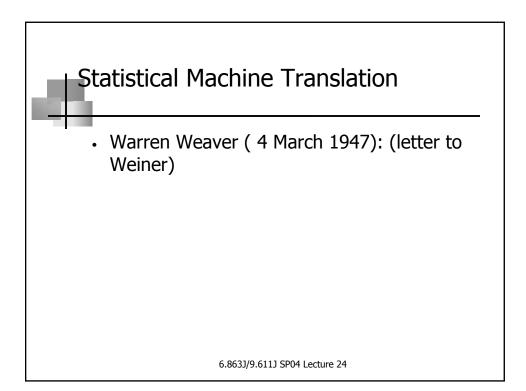


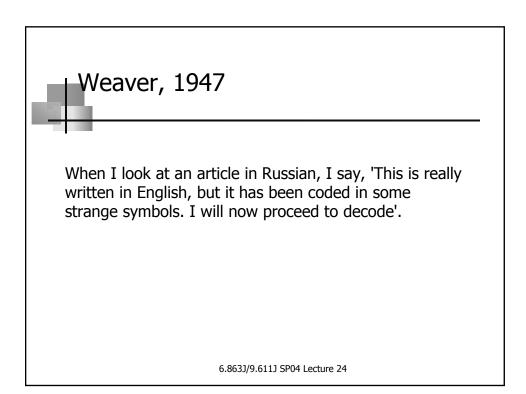


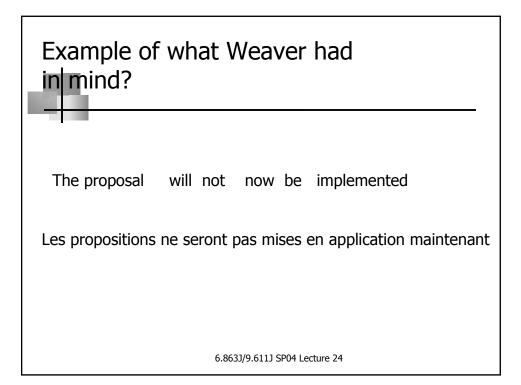




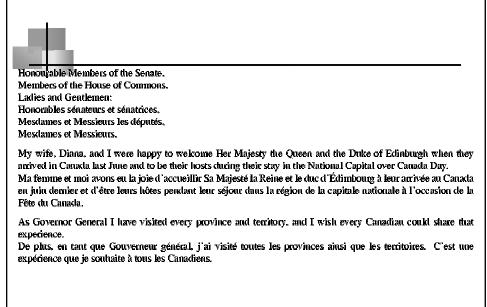




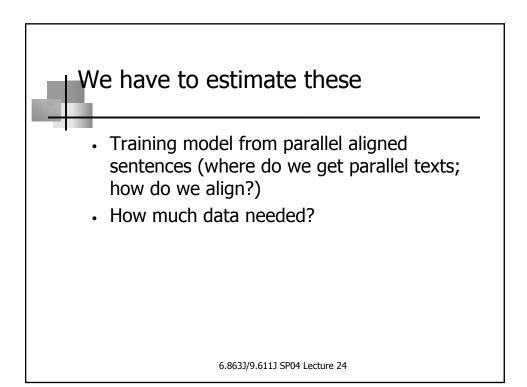


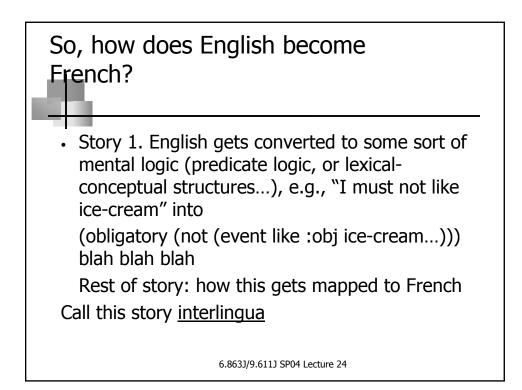


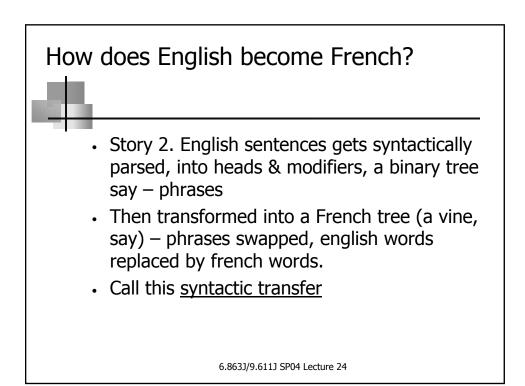
Example alignment
The proposal will not now be implemented Les propositions ne seront pas mises en application maintenant
6.863J/9.611J SP04 Lecture 24

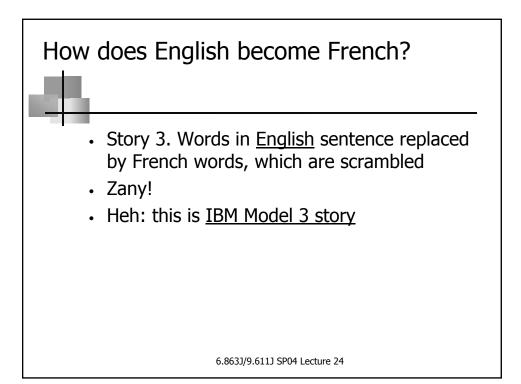


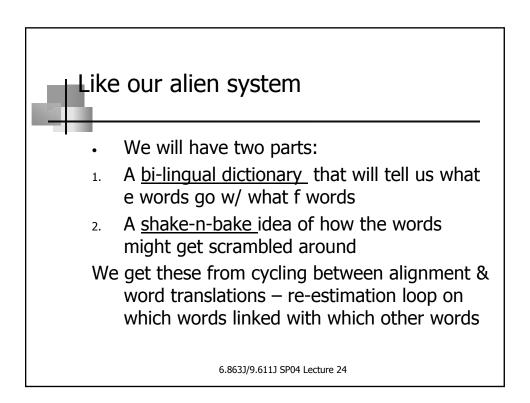
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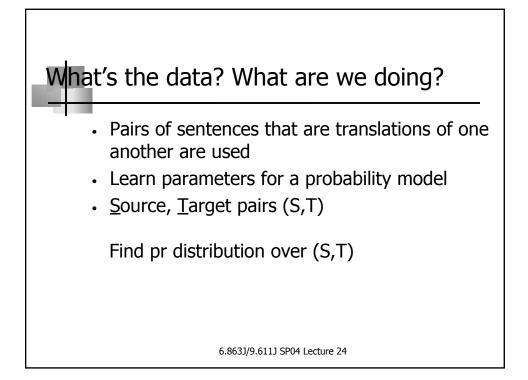


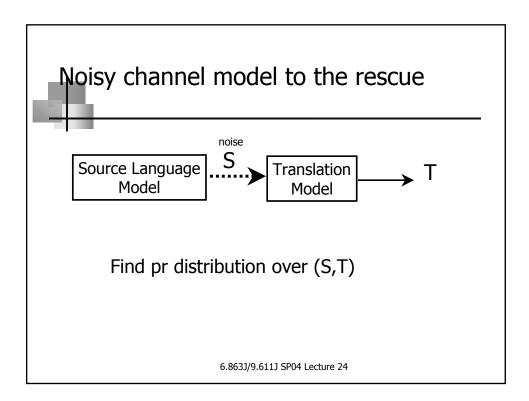


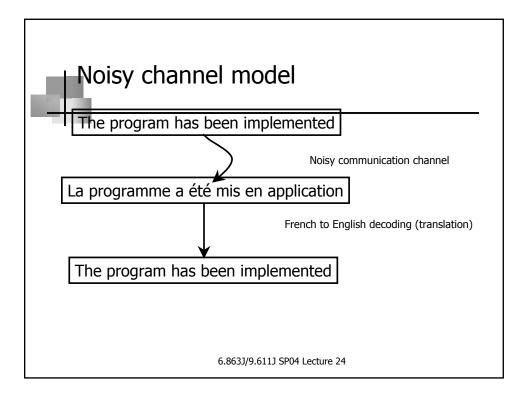


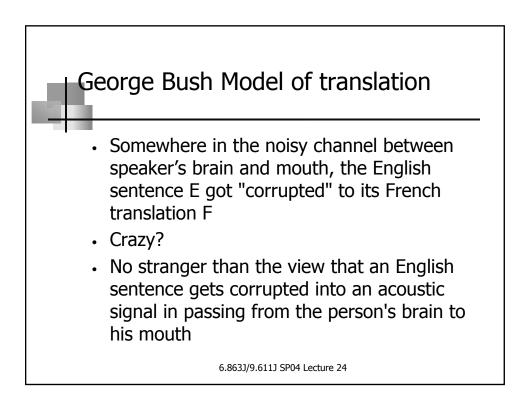


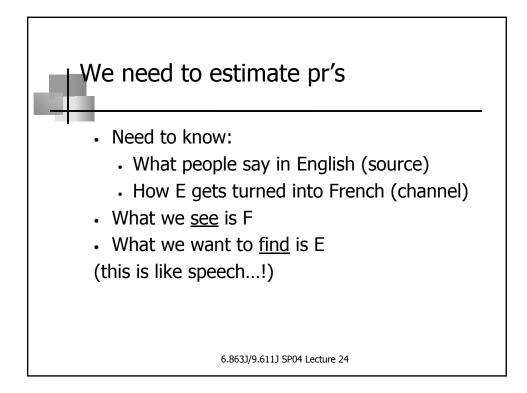


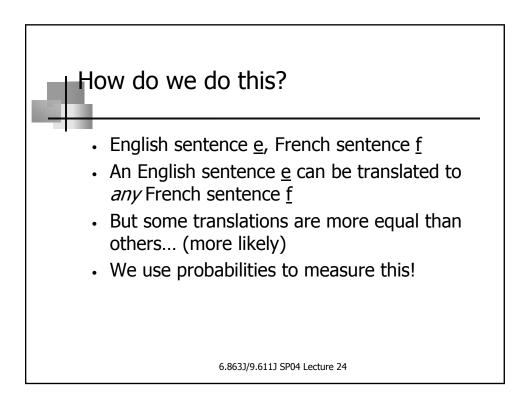


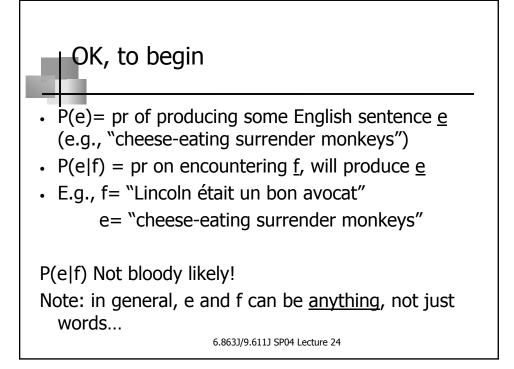


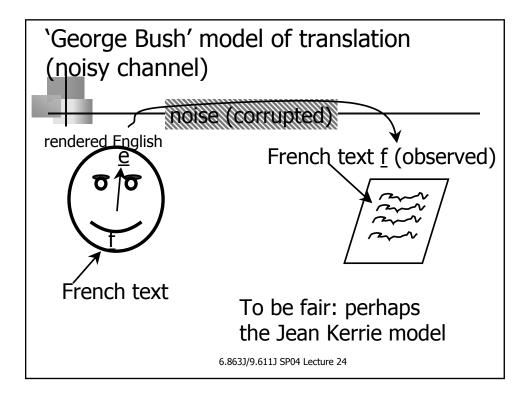


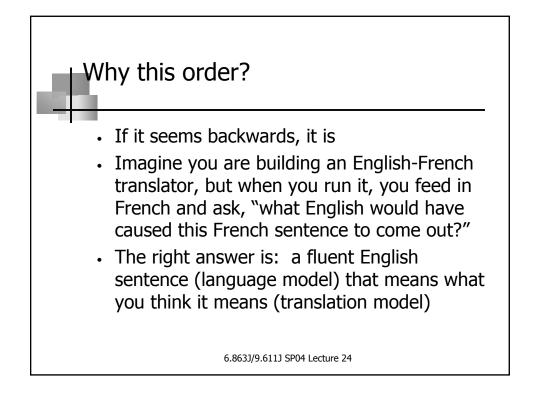


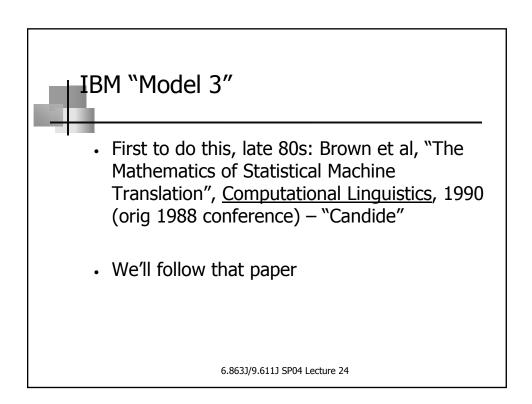


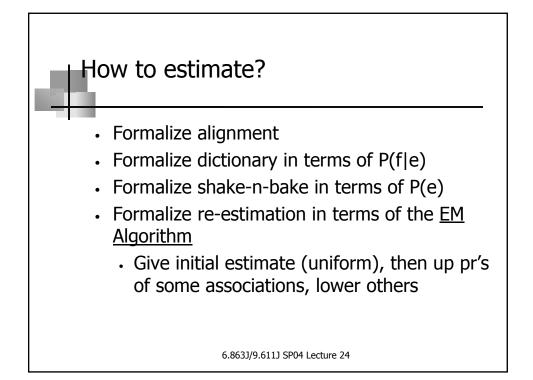


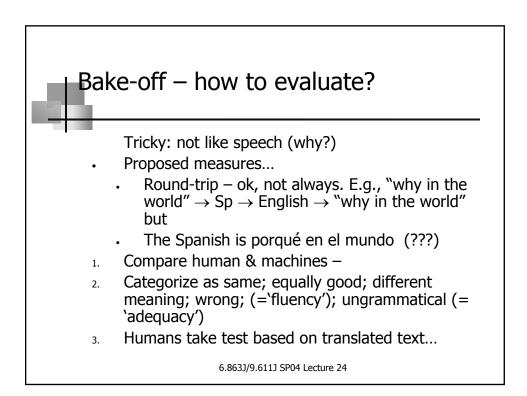


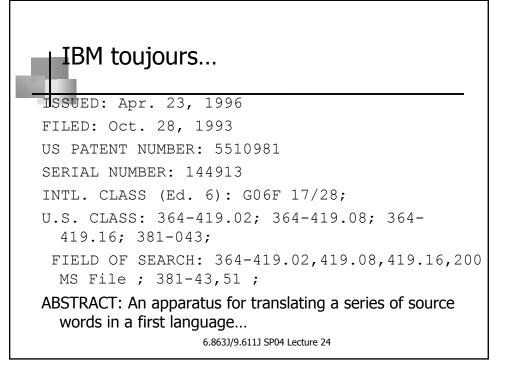


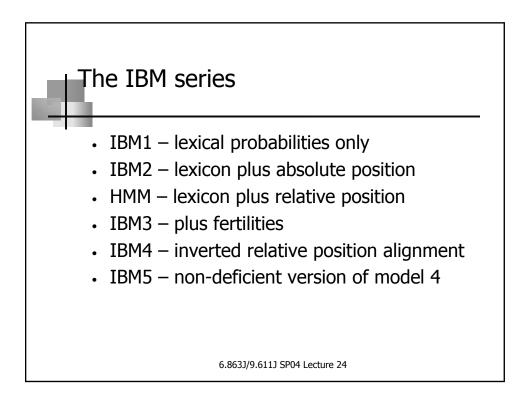


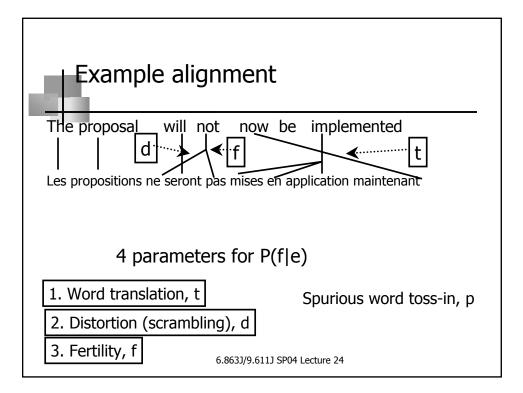


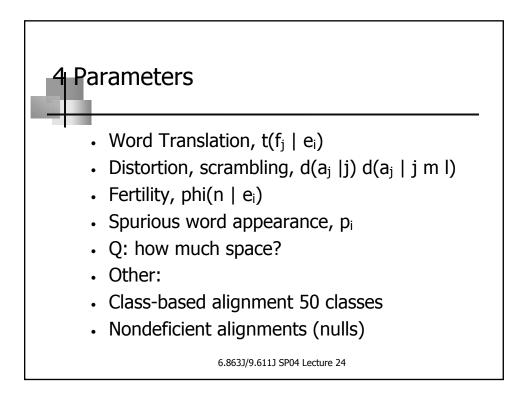




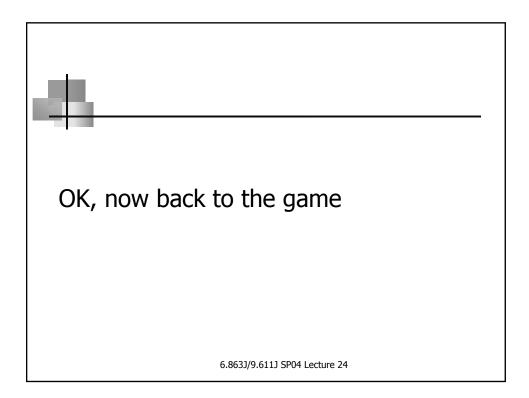


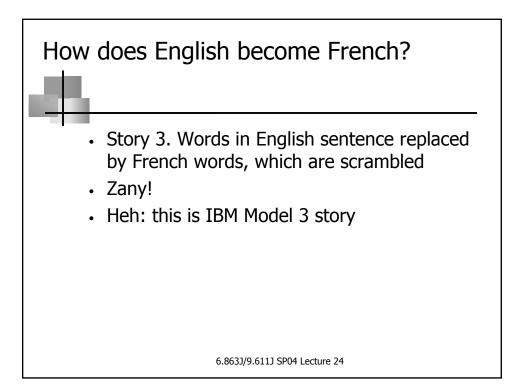


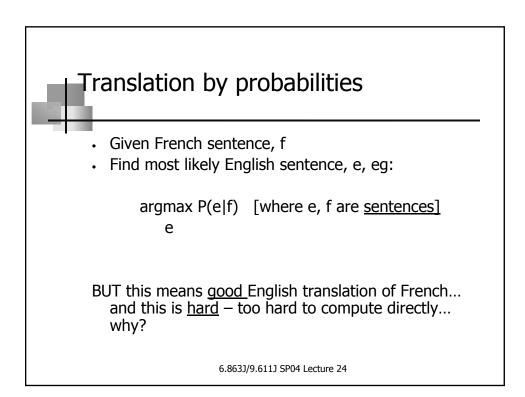


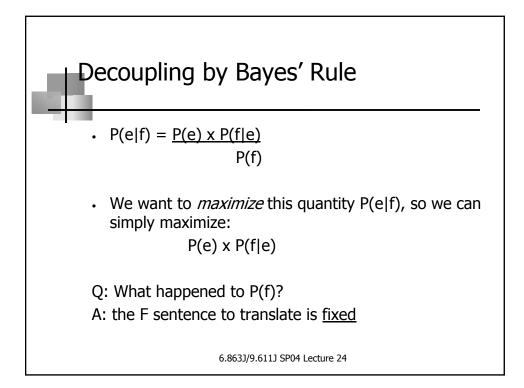


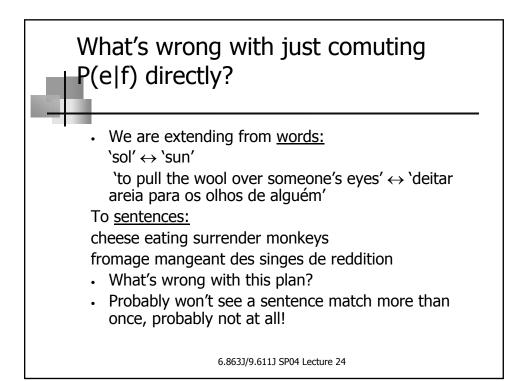
Bake-off Candide vs. Systran (Darpa) - 1995								
		Fluency		Adequacy				
		1992	1993	1992	1993			
	Systran	47%	54%	69%	74%			
	Candide	51%	58%	58%	67%			
	Human		.83%		84%			
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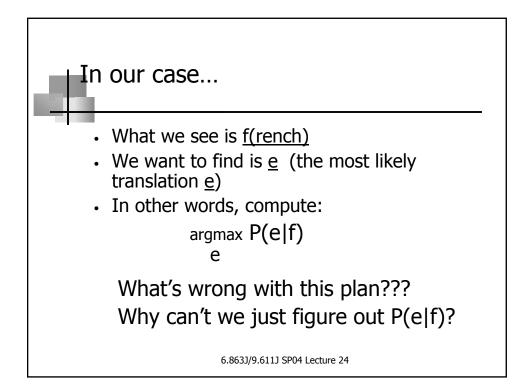


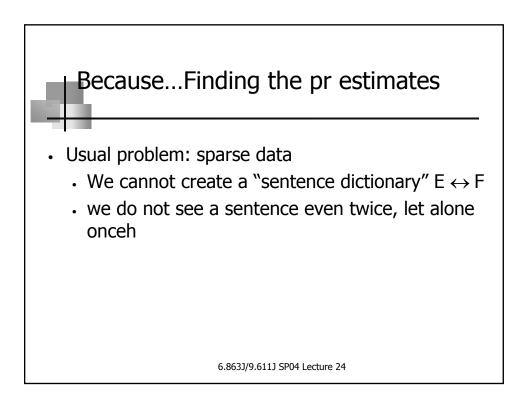








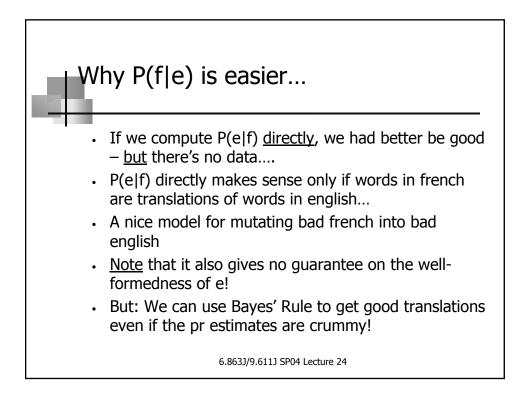


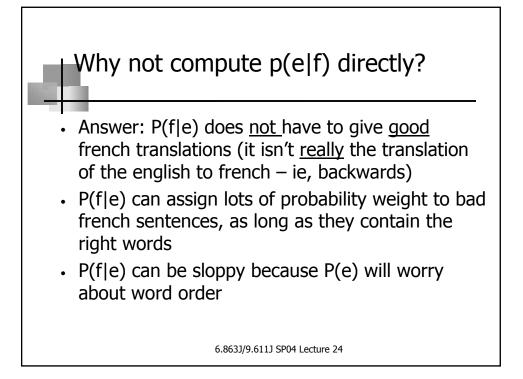


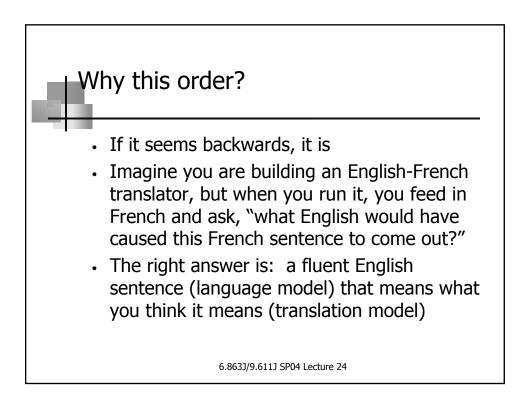
But why not just compute max p(e|f) directly?

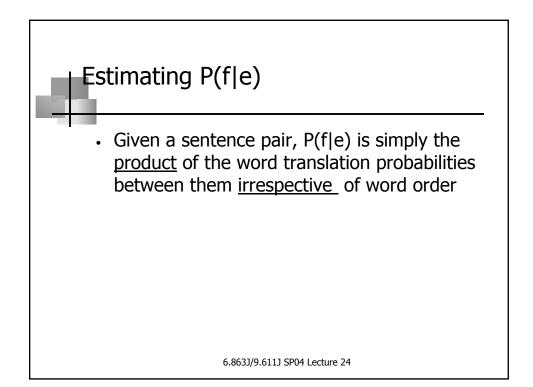
- If we are translating french to english, then finding max P(e|f) seems more intuitive
- But if we try to figure out P(e|f) <u>directly</u> we need to get <u>good</u> english translations, all in one step
- So we solve this by finding $P(e|f) \approx P(e) \bullet P(f|e)$ [since french sentence is fixed, p(f) is fixed]
- Why is figuring out P(f|e) any easier??
- Ans: because it's <u>not</u> really a "good french translation of an english sentence"...

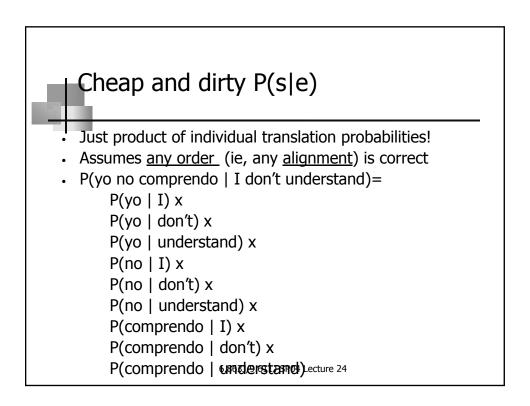
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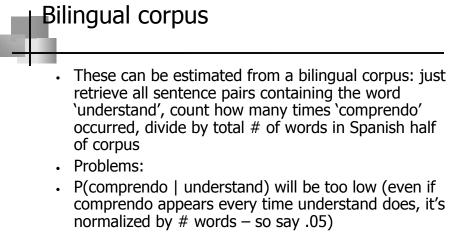






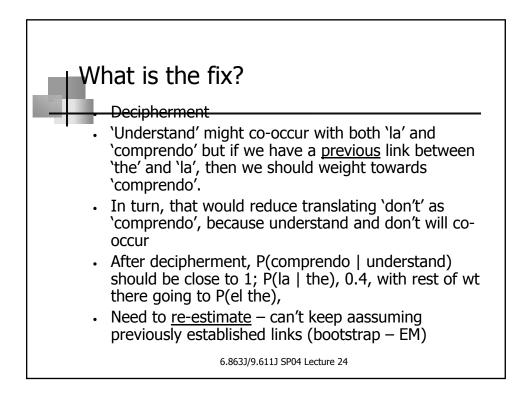


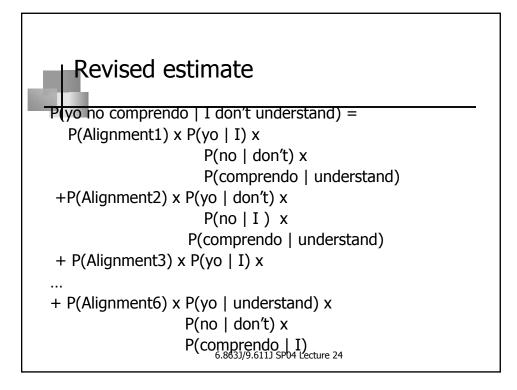


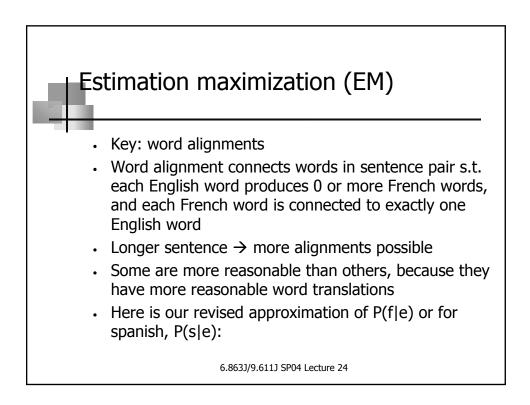


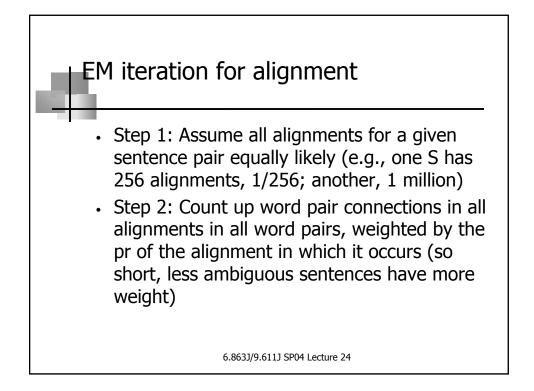
 Worse: P(la | understand) too high, because 'la' is frequent, you'll often see it with 'comprendo' (remember, word order doesn't matter)

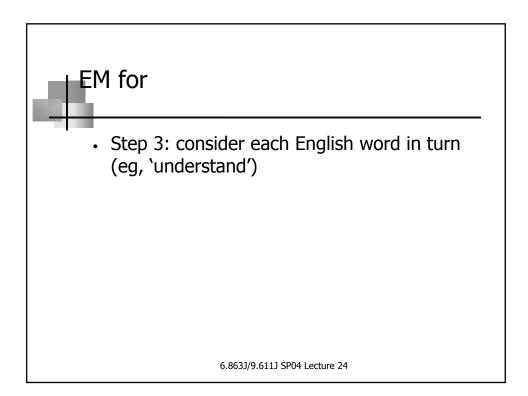
6.863J/9.611J SP04 Lecture 24

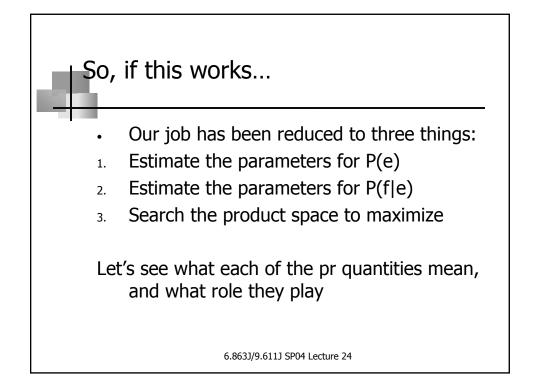


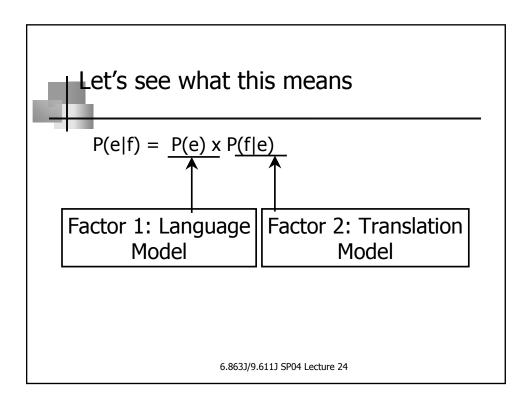


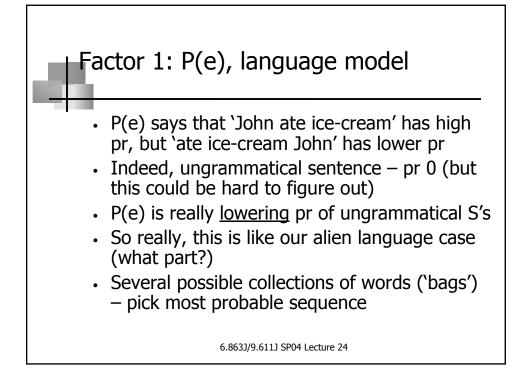


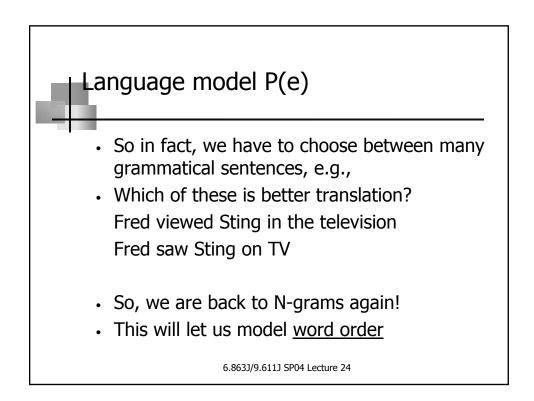


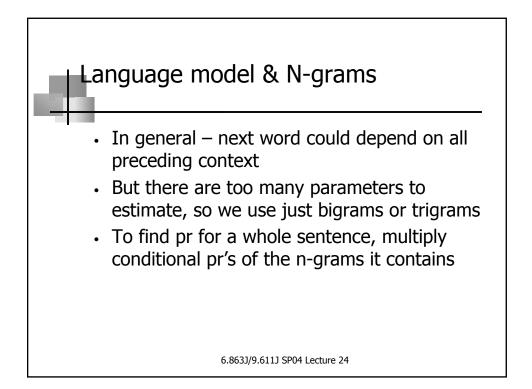


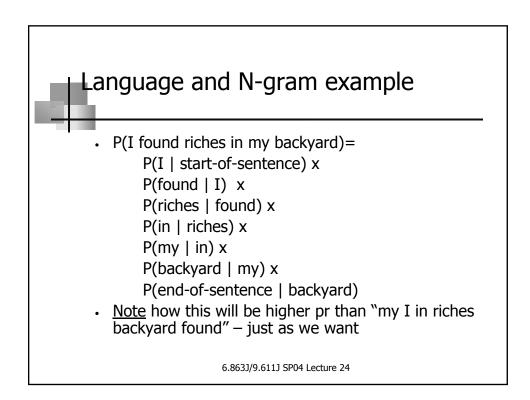


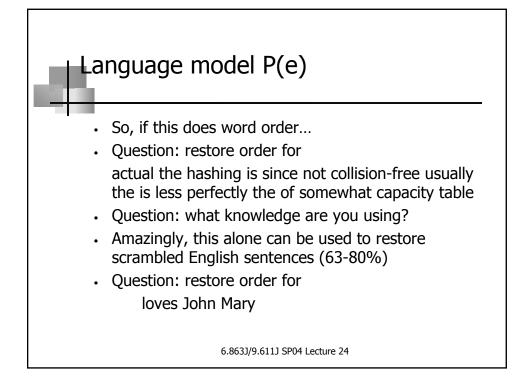


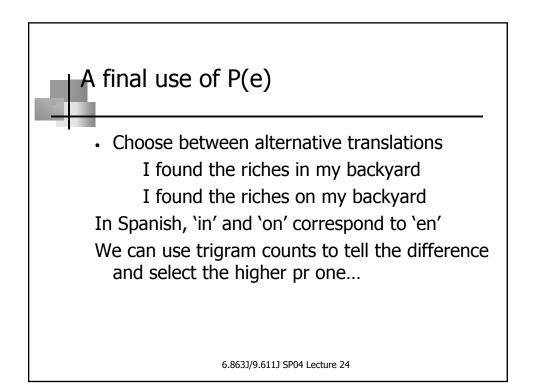


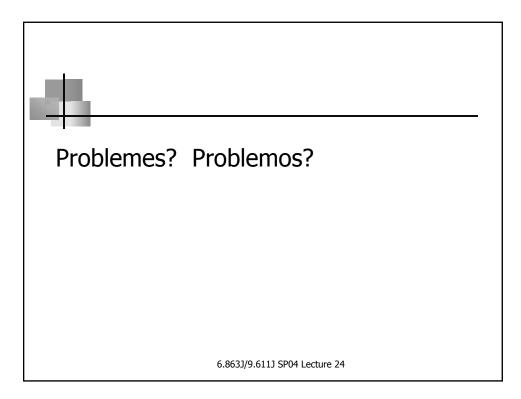


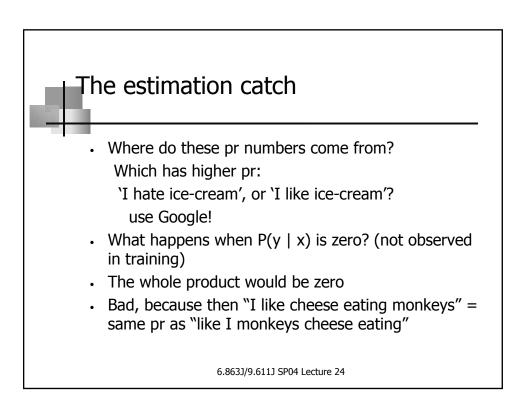


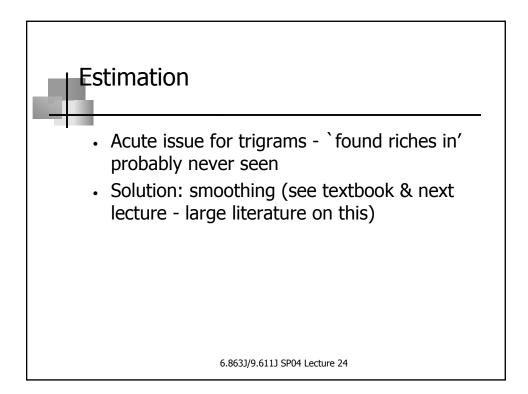


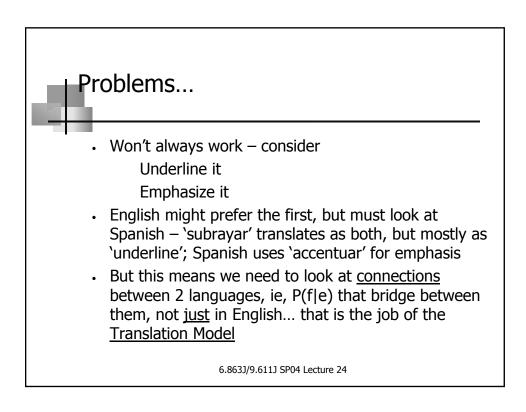


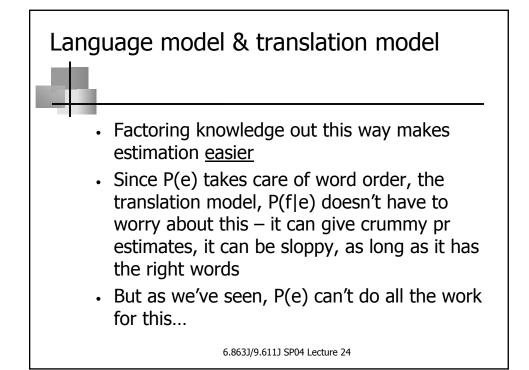


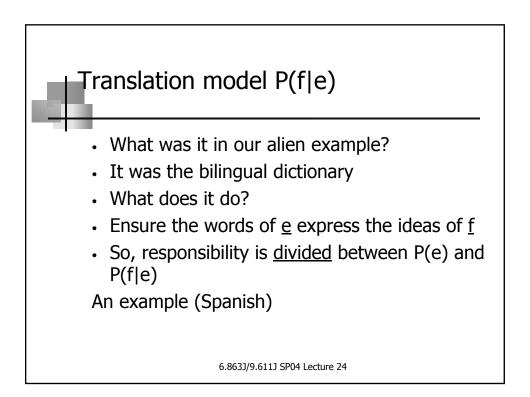


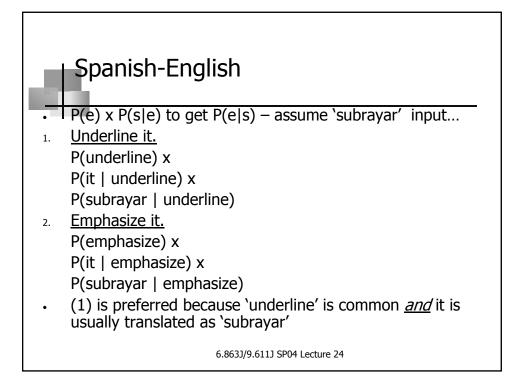


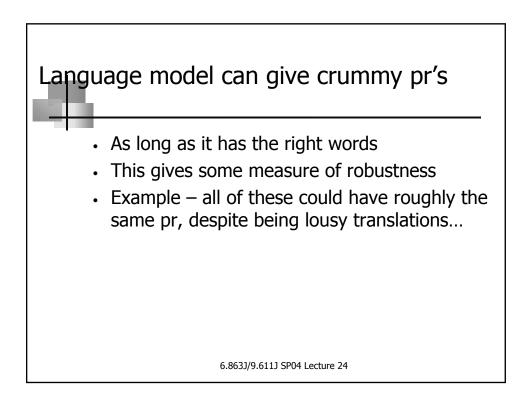


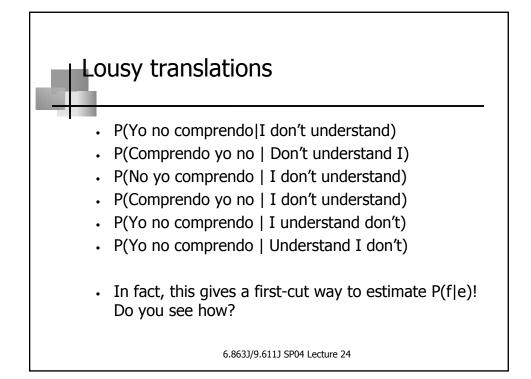


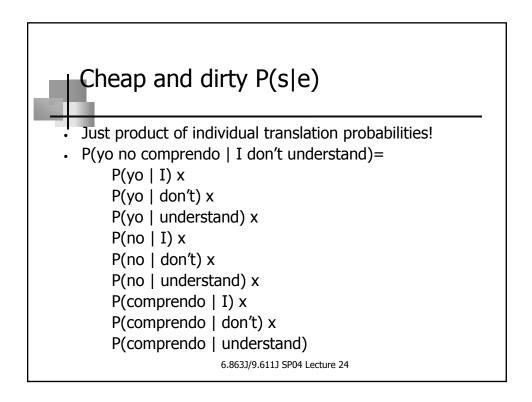


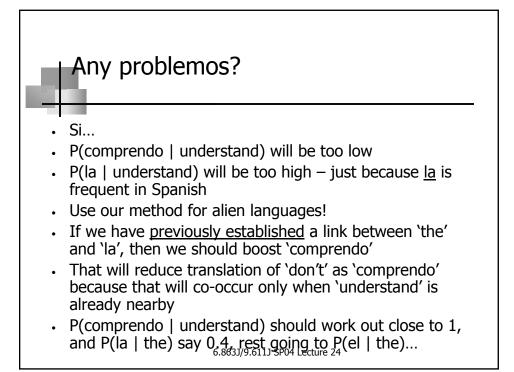


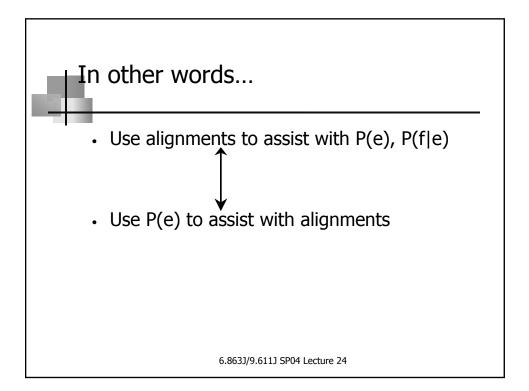


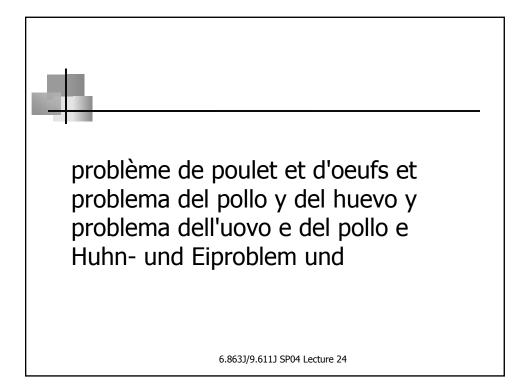


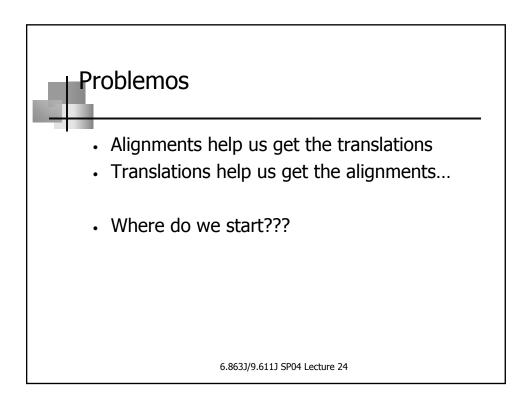


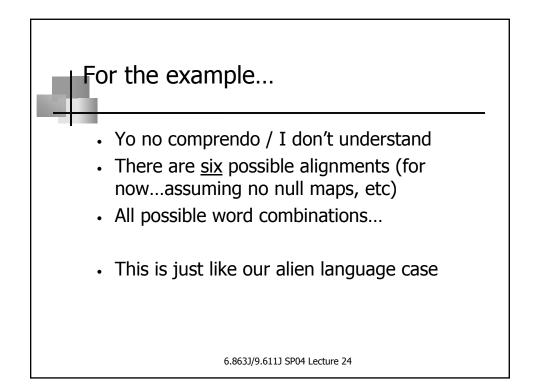


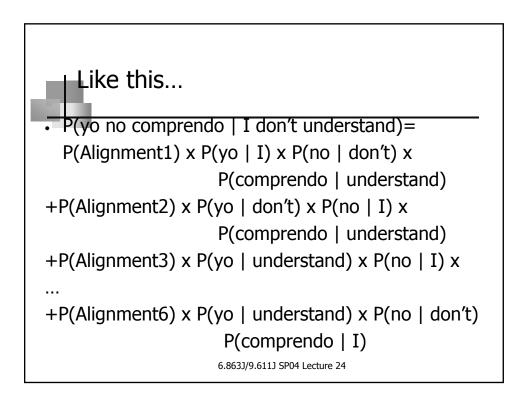


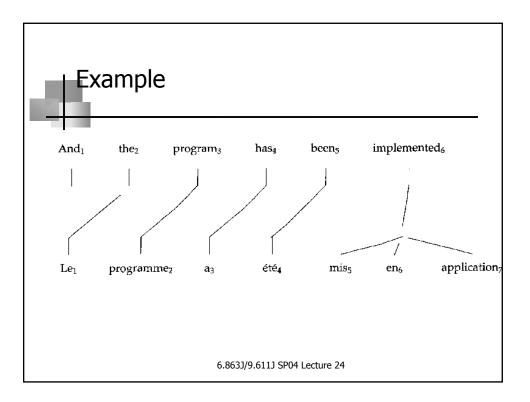


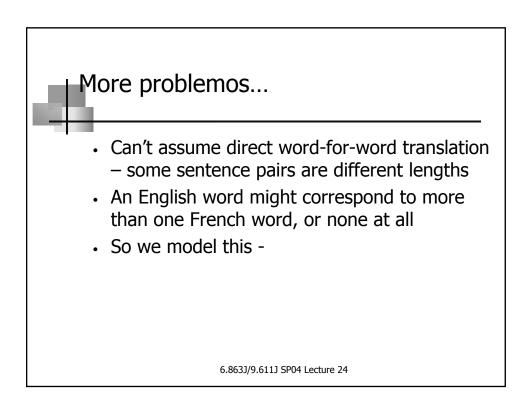


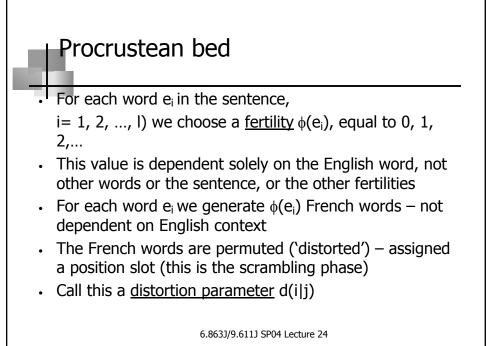


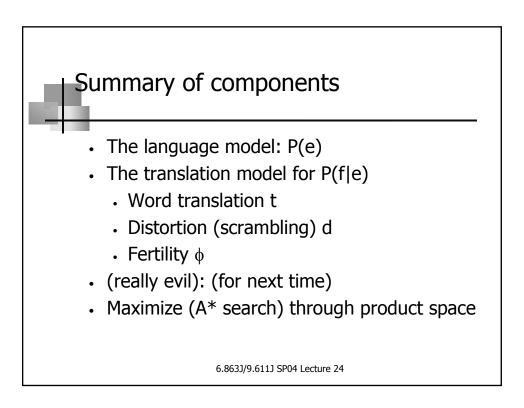












What's the input data? Aligned S's

The high turnover rate was largely due to an increase in the sales volume. Employment and investment levels have also climbed.

Following a two-year transitional period, the new Foodstuffs Ordinance for Mineral Water came into effect on April 1, 1988.

Specifically, it contains more stringent requirements regarding quality consistency and purity guarantees.

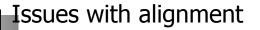
La progression des chiffres d'affaires résulte en grande partie de l'acroissement du volume des ventes.

L'emploi et les investissements ont également augmenté.

La nouvelle ordonnance fédérale sur les denrées alimentaires concernant entre autre les eaux minérales, entrée en vigueur le 1er avril 1988 après une période transitoire de deux ans, exige surtout une plus grande constance dans la qualité et une garantie de la pureté.

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- Clues include...
 - French sentences usually in same order as English sentences (but word order difft)
 - Short French sentences ↔ short English sentences, and v.v.
 - Corresponding French and English sentences often contain many of the same character sequences (why?)

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