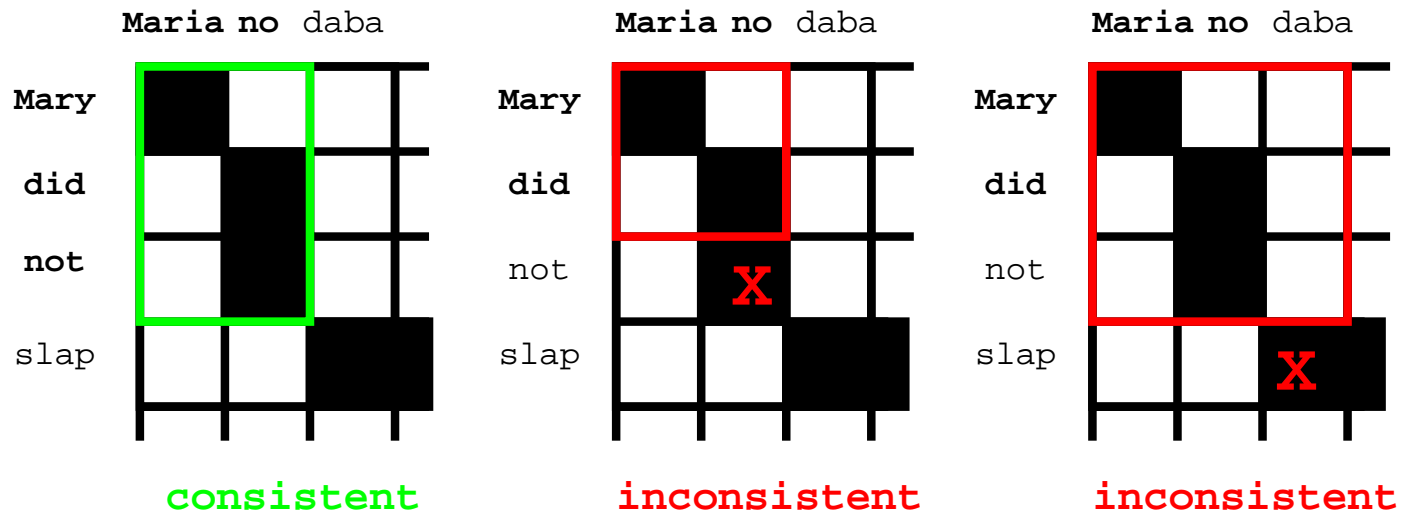


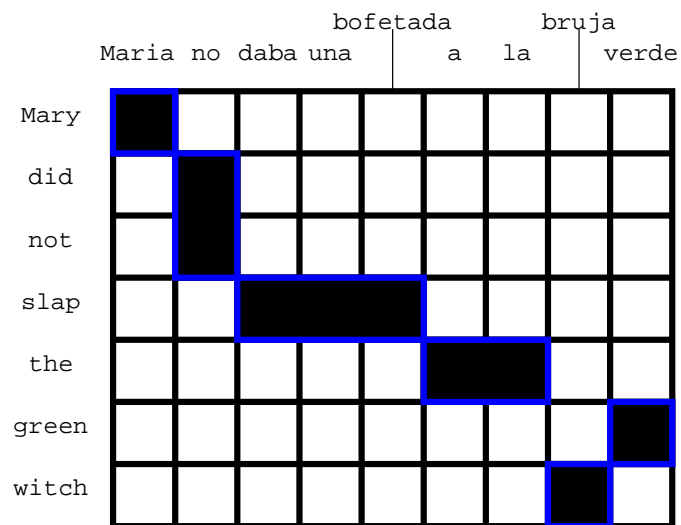
Consistent with Word Alignment



- Consistent with the word alignment :=
phrase alignment has to contain all alignment points for all covered words

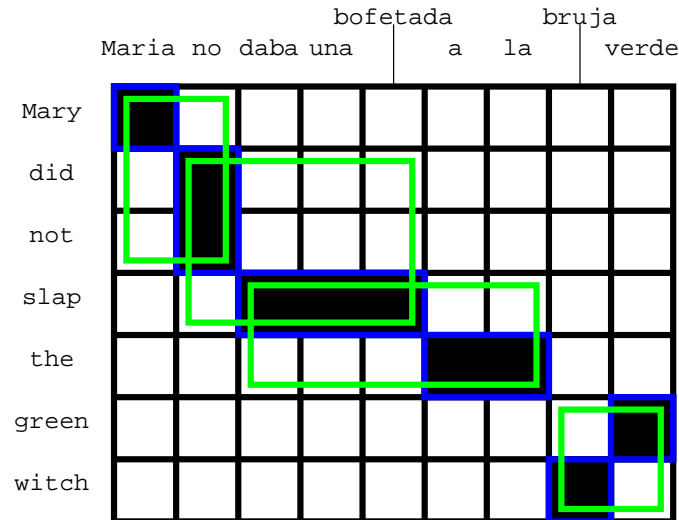
$$(\bar{e}, \bar{f}) \in BP \Leftrightarrow \begin{aligned} &\forall e_i \in \bar{e} : (e_i, f_j) \in A \rightarrow f_j \in \bar{f} \\ \text{AND} &\forall f_j \in \bar{f} : (e_i, f_j) \in A \rightarrow e_i \in \bar{e} \end{aligned}$$

Word Alignment Induced Phrases



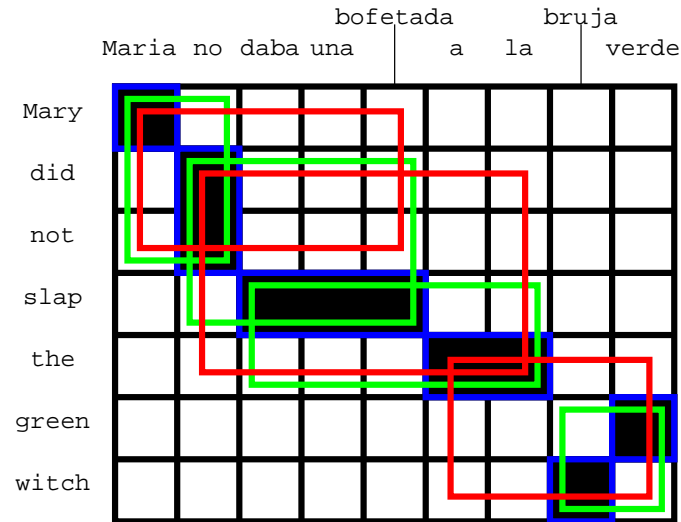
(Maria, Mary), (no, did not), (slap, daba una bofetada), (a la, the), (bruja, witch),
(verde, green)

Word Alignment Induced Phrases (2)



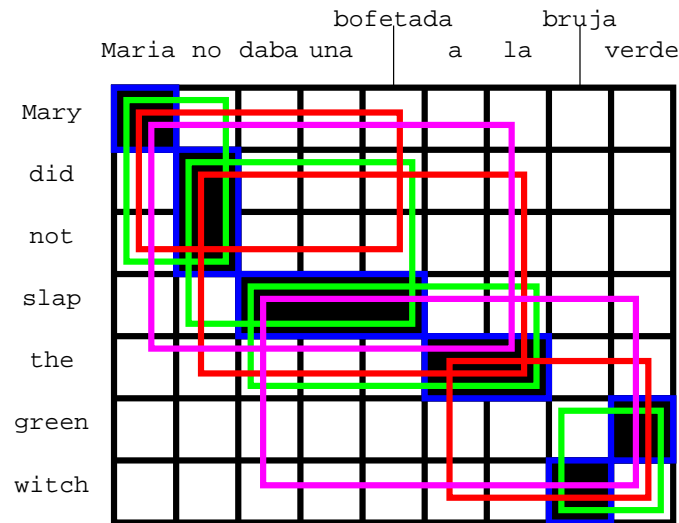
(Maria, Mary), (no, did not), (slap, daba una bofetada), (a la, the), (bruja, witch),
 (verde, green), (Maria no, Mary did not), (no daba una bofetada, did not slap),
 (daba una bofetada a la, slap the), (bruja verde, green witch)

Word Alignment Induced Phrases (3)



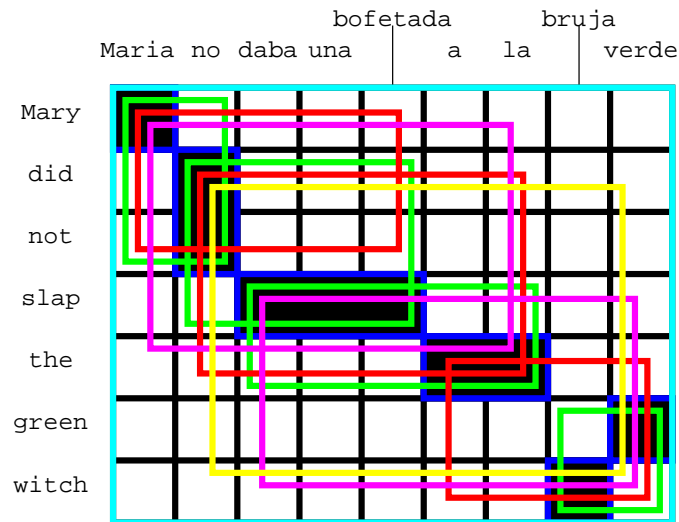
- (Maria, Mary), (no, did not), (slap, daba una bofetada), (a la, the), (bruja, witch), (verde, green), (Maria no, Mary did not), (no daba una bofetada, did not slap), (daba una bofetada a la, slap the), (bruja verde, green witch), (Maria no daba una bofetada, Mary did not slap), (no daba una bofetada a la, did not slap the), (a la bruja verde, the green witch)

Word Alignment Induced Phrases (4)



(Maria, Mary), (no, did not), (slap, daba una bofetada), (a la, the), (bruja, witch),
 (verde, green), (Maria no, Mary did not), (no daba una bofetada, did not slap),
 (daba una bofetada a la, slap the), (bruja verde, green witch),
 (Maria no daba una bofetada, Mary did not slap),
 (no daba una bofetada a la, did not slap the), (a la bruja verde, the green witch),
 (Maria no daba una bofetada a la, Mary did not slap the),
 (daba una bofetada a la bruja verde, slap the green witch)

Word Alignment Induced Phrases (5)



- (Maria, Mary), (no, did not), (slap, daba una bofetada), (a la, the), (bruja, witch),
- (verde, green), (Maria no, Mary did not), (no daba una bofetada, did not slap),
- (daba una bofetada a la, slap the), (bruja verde, green witch),
- (Maria no daba una bofetada, Mary did not slap),
- (no daba una bofetada a la, did not slap the), (a la bruja verde, the green witch),
- (Maria no daba una bofetada a la, Mary did not slap the),
- (daba una bofetada a la bruja verde, slap the green witch),
- (no daba una bofetada a la bruja verde, did not slap the green witch),
- (Maria no daba una bofetada a la bruja verde, Mary did not slap the green witch)