

**WORD CLASS  $\mathcal{W}_\gamma$**   
**(Substitution list)**

$w_{\gamma 1}$   
 $w_{\gamma 2}$   
 $w_{\gamma 3}$   
 $\vdots$   
 $w_{\gamma i}$   
 $\vdots$

Words from  $\mathcal{W}_\gamma$

**SUBSTITUTION FRAMES**

$\mathcal{F}_0 : [\text{---}]_{Utt} \text{ (prag1)}$   
 $\vdots$   
 $\mathcal{F}_1 : [\text{---} \quad f_{12} \quad f_{13}]_{Utt} \text{ (prag1)}$   
 $\mathcal{F}_2 : [\text{---} \quad f_{22} \quad f_{23}]_{Utt} \text{ (prag1)}$   
 $\vdots$   
 **$\mathcal{F}_j : [f_{j1} \quad \text{---} \quad f_{j3}]_{Utt} \text{ (prag2)}$**   
 $\mathcal{F}_k : [f_{k1} \quad f_{k2} \quad \text{---}]_{Utt} \text{ (prag2)}$   
 $\vdots$

Words from  $\mathcal{W}_\gamma$   
in Frame  $\mathcal{F}_j$

**PITCH PATTERNS**

Word class  $\mathcal{W}_\gamma$   
Frame  $\mathcal{F}_j$

$p(w_{\gamma 1}) : \text{H} \boxed{\text{H}} \text{H}$   
 $p(w_{\gamma 2}) : \text{H} \boxed{\text{L}} \text{H}$   
 $p(w_{\gamma 3}) : \text{H} \boxed{\text{H}} \text{H}$   
 $\vdots$   
 $p(w_{\gamma i}) : \text{H} \boxed{\text{L}} \text{H}$   
 $\vdots$