PROBABILISTIC CYK PARSING

	Book	the	flight	through	Houston
	S :.01, VP:.1, Verb:.5 Nominal:.03 Noun:.1	**None**			
		Det:.6	**NP:.6*.6*.15 =.054**		
			Nominal:.15 Noun:.5		

S → NP VP   0.8
S → X1 VP   0.1
X1 → Aux NP   1.0
S → book | include | prefer
        0.01   0.004   0.006
S → Verb NP   0.05
S → VP PP   0.03
NP → I | he | she | me
        0.1 0.02 0.02   0.06
NP → Houston | NWA
        0.16   .04
NP → Det Nominal   0.6
Nominal → book | flight | meal | money
        0.03   0.15 0.06   0.06
Nominal → Nominal Noun 0.2
Nominal → Nominal PP   0.5
VP → book | include | prefer
        0.1   0.04   0.06
VP → Verb NP   0.5
VP → VP PP   0.3

Aux → does
        1.0
Det → the | a | that | this
        0.6 0.2 0.1   0.1
Pronoun → I | he | she | me
        0.5 0.1 0.1   0.3
Verb → book | include | prefer
        0.5   0.2   0.3
Noun → book | flight | meal | money
        0.1   0.5   0.2   0.2
Proper-Noun → Houston | NWA