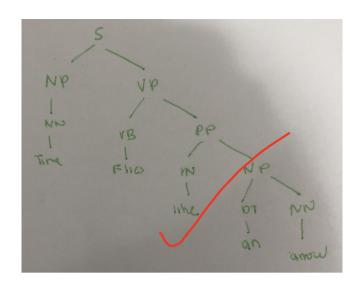
TABLE

HW5: Statistical Parser: CKY Algorithm TABLE			-0.5		
Time	Flies	Like	An	Arrow	
NN: 0.2, VB: 0.3 NP: 0.3 * 0.2 = .06 VP: 0.1 * 0.3 = .03 S: 0.2 * 0.03 = 0.006	VP : 0.6 * 0.3 * 0.06 = 1.08E-2 S : 0.5 * 0.04 * 0.06 = 1.2F 2			VP: 0.1 * 0.3 * 3E-3 = 9E-5 S: 0.2 * 9E-5 = 1.8E-5 S: .2*.06 *2E-4 = 2.4E-6 S: .5 * .06 * 4E-3 = 1.2E-4	2.4E-5
	NN: 0.2, VB: 0.4 NP: 0.3 * 0.2 = .06 VP: 0.1 * 0.4 = 0.04 S: 0.2 * 0.04 = 0.008	S: .5 * .06 * .03 = 9E-4		VP_PP: 1.0 * 0.04 * .05 = 2E 4 NP_PP: 1.0 * .06 * .05 = 3E-3 VP: 0.2 * 0.4 * .05 = 4E-3 S: 1.0 * .04* .05 = 2E-4 S: .5 * .06 * 9E-3 = 2.7 E-4	2E-3
		VB: 0.3, IN: 1.0 VP: 0.1 * 0.3 = 0.03 S: 0.2 * 0.03 = 0.006		VP : .6 * .3 * .05 = 9E-3 PP : 1.0 * 1.0 * .05 = .05	
			DT: 0.5	NP :0.5 * 0.5 * 0.2 = 0.05	
RACK	- 2			NN: 0.2 NP: 0.3 * 02 = 0.06	
BACK	-2.	5			

					_
Time	Flies	Like	An	Arrow	
S: VP VP: VB, NF: NN	S: NP VP VP: VB NP S: vp			VP: VB NP_PP S: VP S: NP VP_PP S: NP VP	: <i>VP PF</i> P: VP PF
	S: VP NP: NN, VP: VB	S: NP VP		S: NP VP S: VP PP VP: VB PP NP_PP: NP PP VP_PP: VP PP	rp
		S: VP VP:VP		VP: VB NP S: V PP: IN NP	P
				NP: DT NN 🖊	
				NP: NN	

TREE

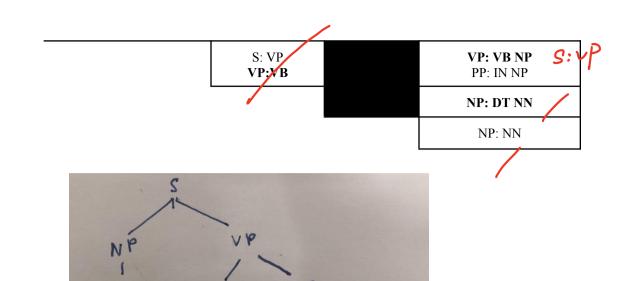


TABLE

TABLE				
Fruit	Flies	Like	A	Banana
Nominal: 1.0 NN: 0.2 NP: 0.3 * 0.2 = 0.06	NP: .2 * 1.0 * .2 = .04 S: .5 * .06 * .04 = 1.2E-3	S: .5 * .04 * .03 =65-3 6E-4		S_1 : 0.1 * .04 * 9E-3 = 1.8E-4 S_2 : 0.5 * 0.06 * 4E-3 = 1.2E-4 S_3 : .2 * 0.06 * 2E-3 = 2.4E-5 NP_PP : 1.0 *0.04 * 0.05 = 2E-3
(NN: 0.2, VB: 0.4 NP: 0.3 * 0.2 = 0.06 VP: 0.1 * 0.4 = 0.04 S: 0.2 * 0.04 = 0.008	S: .5 * .06 * .03 = 9E-4		VP: 0.2 * 0.4 *0.05 = 4E-3 NP_PP: 1.0 *0.06* 0.05 = 3E-3 VP_PP: 1.0 * 0.04 * .05 = 2E-3 S: 0.2 * 4E-3 = 8E-4 3 S ₁ : 0.1 * 0.04 * 0.05 = 2E-4 S ₂ : 0.5*0.06* 9E-3 = 2.7E-4
		VB : 0.3, IN : 1.0 VP : 0.1 * 0.3 = 0.03 S : 0.2 * 0.03 = 0.006		VP : 0.6 * 0.3 * 0.05 = 9E-3 PP : 1.0 * 1.0 * 0.05 = .05 S: 0.2 * 9E-3 = 1.8E-3
			DT : 0.5	NP :0 .5 * 0.5 * 0.2 = 0.05
		n 12		NN: 0.2 NP: 0.3 * 0.2 = 0.06
BACK		<u> </u>	<u>'</u>	

BACK

Fruit	Flies	Like	A	Banana
NP: NN	S: NP VP NP: Nominal NN	S: NP VP		NP_PP: NP PP S₁: NP VP S ₂ : NP VP S ₃ : NP VP_PP
	S: VP NP: NN VP: VB	S: NP-VP		VP: VB PP NP_PP: NP PP VP_PP: VP PP S: VP S ₁ : VP PP S ₂ : NP VP



bT /

like

NN

banany

TREE

Fruit