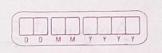
	Assignment	G CTHT		Mam: Dec RAINO: 2110; Subd: NLF			
		ls.			1.	, ,	
0]	Based on the given state transitions and emission probability matrix, assign pos to the statement:)
	probability	matrix,	assign	POS 1	o the	Grancing ni.	
	(S) Times f	r. lele)AC	· Y		
	co imes t	nes 11 rc	q1)	arrows	S.Y.		
⇒	Emission	probabili	j make)	ζ,		odalojlo	
						emit (i)	
		VB	1	IN N	IN		
	Time	0.1		1-1	1000	10 -	
	flies	0.2		. \ 2124	0		
	like	0.2	OXI	0 = (0.25	(4)9	
	an	0	900	0	0		
	arrow.	0		ج. ۱	0		
				F			
					mon e	smill .	
	State transition Matrix.						
						29/1/ (3)	
		VB	NN	In	Ta	5	
	10	0.2	0-8	0	0	0	
	(5)			0.2		1	
	VB	0.4	63		1	0	
	NN		21.0	0.1	0	0	
	IN	0		0	0.25	0	
	OT	0	1		0	U	
					des.		
	200	X GB X	50	- 1	A contra		
	1	Onexa	111		The state of the s		
	9300 0						



S N (N) (IS) (N) (IS)

Calculations:

7

1 Time

-> as a Noun.

P(N/Time, <57) = . 6.1 x 0.8 = 0.08

Time > Noum.

(2) fles

- as Nour.

P(N| flies, N) = 0.1 × 0.5' × 0.08 = 0.05 × 6.09

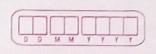
= 0.8090

-> as - verb.

P(V) flus, N) = 0.2 × 0.4 × 0.08

= 0.08×6.0P

= 0.0064



0.00647 0.00 40

. flies > V

3) like

O as verb

P(V/like, V) = 02-7(0*01) × 0.0064

 $= 0.00128 \times 10^{-3}$

@ as a proposition

P(IN/11ke V) = 0.25 x 0.2 x 0.0064

= 0.050×0%64

= 0.032 0 × 60-3

·: 0.030 > 0.0012

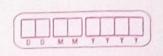
: like > 3PM

(a) money ar.

1 (DT on JN) = 1 x 0.25 x 032 x 10-6 4 x 10-6

4 ~ 10

an > DT



00 00 0 00000

3	Amos

O as a Na

P(N/Amow, DT) = 0.1 × 1 × 4 × 0-6

.. am 3 N)

Time flies like an arrow