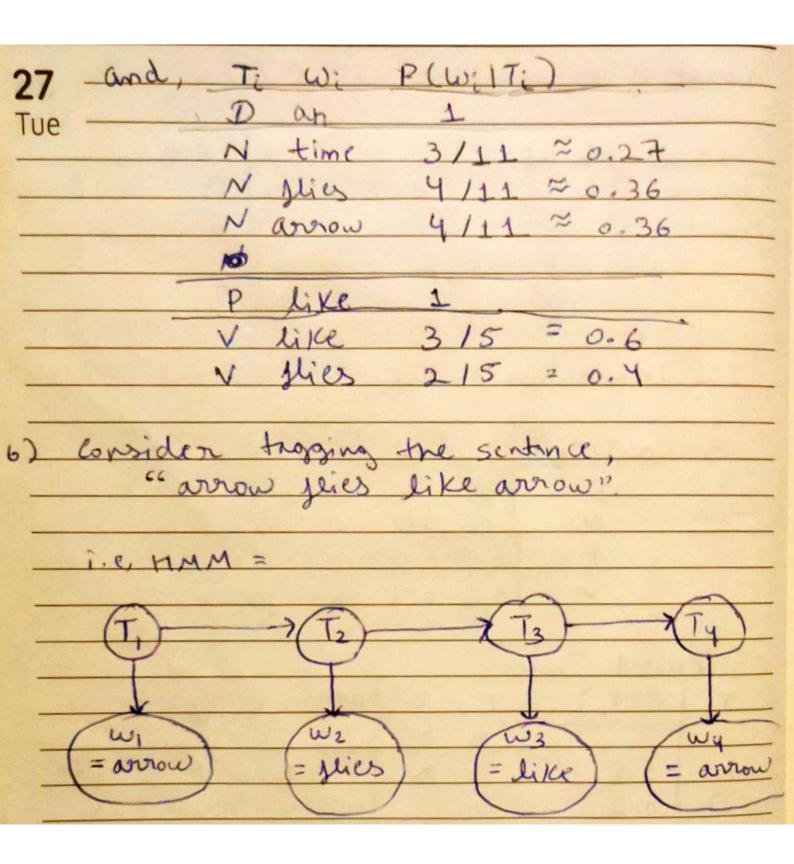
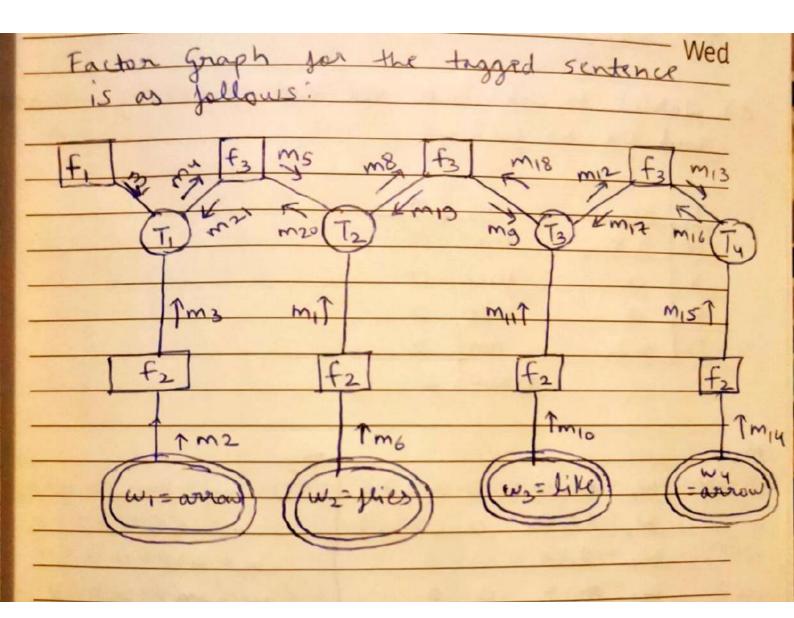
<b>24</b> Sat	Assi	ignment	4			
<u> </u>	,2:-	time ( arrow	Dille Dik	20 J	like lies a	an Darrow () Dan Darrow () Otime () D jeies ()
(a)	Cond	litional	Probal	bility	Tabl	e for HMM
25 Sun	Prot Q D N P	counts  L  O  O				Λ,
, 1	Probo	ubility	statis	2	TON VP	T(9) 115 = 0.2 415 = 0.8

Country transactions:							
counts of thanking 26							
counts for a (p.9	) DNP V SUM	— Mon					
Counts per active	03003						
N	01056						
P	1 100 2						
	1122015						
: Transition	robabilities =						
a(P, y) I	NPV	adaptive of the					
D	1 0 0						
N	116 0 5/6						
P 0.	5 0.5 0 0						
V 0	2 0.4 0.4 0						
give nated Tables:							
TI PCTI) T	in Ti PCT: Till						
	DNI						
N 0.8	N N @ 116 %	0.166					
D 0.2	V V 516 ≈ 0	. 833					
	D 0.5	Mark will					
	N 0.5						
1	N 0.4						
The state of the s	V P 0.4						
	V D   0.2						





c) ]a	bles to	calula	te	111	the necessary messages			
and	t are as	4-0 0-4	, 5 :		mosegis			
		joco						
T.	60							
N	MI	w	M2	-				
1	0.8	time	0	-				
- V	0	yies/	0					
-	0	like	0					
-01	0.2	an	0					
The state of the s		wares	1					
m3					m <sub>2</sub>			
TI = N	W, = tim	ne = 0.	0.27	(-)	T_2D w = time = 0.0=0			
- /	1.1 2 (1.1)							
	11 - 1:1/2 -							
	wi= an				w= like=0-0=0			
	wi= are				$w_1 = a m = 0.1 = 0$			
					w,= arrow= 1-0=0			
	$- \max = 0.36$ $\max = 0$							
M3	- 1. 0			M3				
1,= V W+				Ti=	P w, = time = 0.0 = 0			
	= slies=		0		w= 11115= 0.020			
AND REAL PROPERTY AND ADDRESS OF THE PARTY AND	= like =				w,=like= 0.120			
1	= an=	0.020	0		w = an = 0			
W1	THE RESERVE TO SHARE THE PARTY OF THE PARTY	0X=0	_		WI= NUMOW = 0			
		~ ~			max=0			

29 30 T, M	
M3	(m1. m3)
1 0.36 N (0.8	8).(0.36)
N Common V	8).(0.36)=0.288 23
Vo	Fri Fri
00	0.020
D (0.	2).0 = 0
0	
MC	
12 046	
N O.	
V 0,24	
0 0	
20	
mc (myf3)	ms
T3-N T1 N (0.288).(0.16)=0.0	046 12=D T N (M4. f3)
$T_2 \sim N T_1 N (0.288) \cdot (0.16) - 0.0$	(0.288)
	T, V 0.(0.2)=0
T, P 0. (0.5) = 0	T P CS
T, D 0.120	T D 0 (0.3) = 0
max = 0.046	T. D 0.0 = 0
	max20
$ms$ $(my.f_3)$	ms (my.fz)
T2=V T, N (0.288) (0.83) = 0.24	==0
T, V 0	(5.503) (0)-8
	T, V 0. (0.4) 20
	T, P O
T, D O	T.D.O
max=0.24	max20
	mario

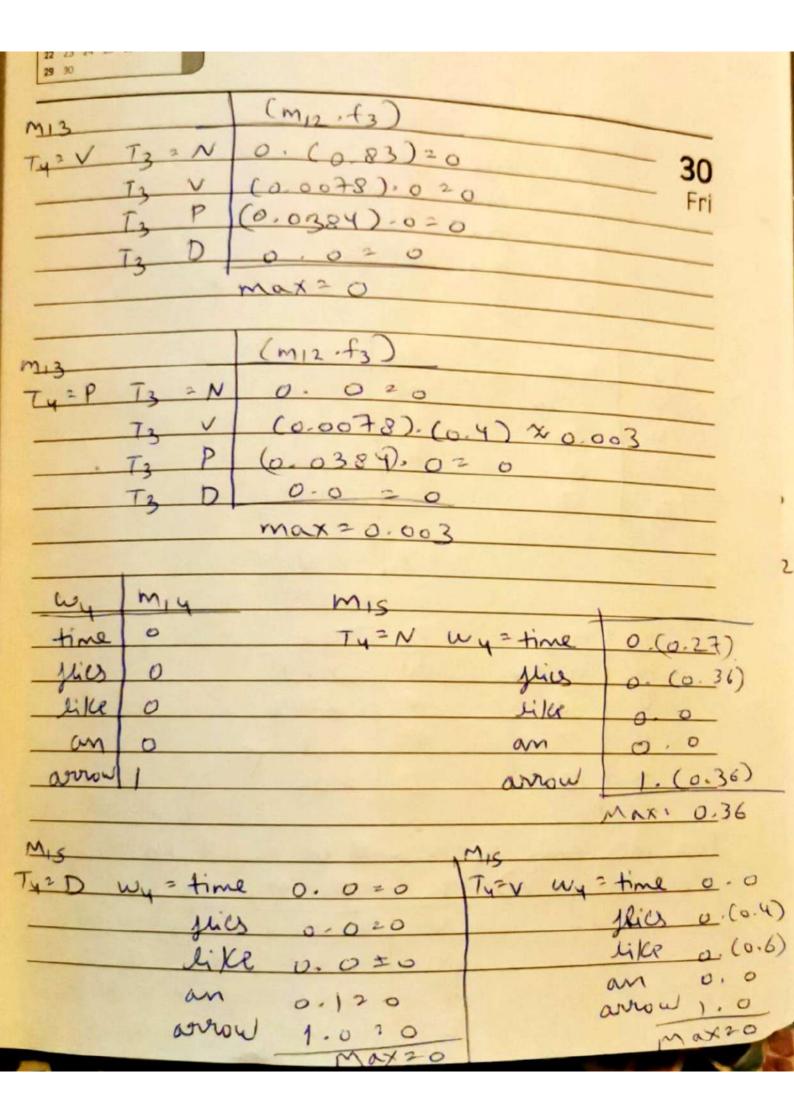
24 mo:				
Sat we me				
Jal				
li o o				
time 0				
- guies / 1				
- eile o				
- an 0				
arrow 0				
m				
	Ma To the			
12=N W2 time 0-10.2				
	36)=0.36 thes o-1			
- we like o	1:16 0.0			
25 w 2 m 0	an 1.0			
Sun we arrow o	arren 00			
- Max2				
M>				
T	T . 2			
flies 1.(0.4)=0.4	flics 10			
like 0. (0.6)=0	life of			
WN 0.010	an 0.0			
arrow 0.020	array o.o			
max = 0.4	max 20			

T	
T. [ma T2   mg (ms. ma)	00
16	26
N 0.36 N (0.046) (0.36) = 0.	Mon
N 0.30	1165
VO.Y V (0.24) (0.4) =0.0	36
0 0 0 0 0 0 0	
- DO DO - 0 = 0	
(m8.f3)	
$M_9$ $T_2$ $N$ (0.0165).(0.16) $\approx$ 0.0026	
13°N 2 V (0.096) · (0.4) = 0.0384	
12 (0.030)	
T2 P 0. (0.5) = 0	
T2 D 0. 1 = 0	
max= 0.038	4
(m8-f3)	
<u>mg</u>	THE
2-6-1-	
T2 (0.096).(0.2)=0.19	-
T2 P 0. (0.5) 10	
To D 0.0 20	
max = 0.19	
mg (mg.fz)	
T3=V T2 N (0.0165). (0.83) ≈ 0.013	
- T2 P 0.0	STILL ST
Tr D 0.0	
max = 0.013	

27 mg		(mg. f3)
Tue T3=P	T <sub>2</sub> N	(0.0165).0=0
100	T2 V	(0.096).(0.4) -0.0384
	T <sub>2</sub> P	0.0=0
	T <sub>2</sub> D	0.020
		Max = 0.0384
T3 Mg	Wa	MIO
M 0.0384	time	0
10.013	slies	0
P 0.0384	like	
01 0-19	an	0
	arrow	Ø .
MH		1,101
T3=N W3		1.27) 732D wy time 0.0
<u>w</u> 3	the 0.00	
$-\frac{\omega_3}{}$	like 1.0	
<u>w</u> 3	an o-	9.1
w	arrow 0.0	1 000
	max	max=0

T3= V wz Time 0.0 2 0
132 wy seics 0. (0.4) 20 28
w, like 1-(06)20.6 Wed
we am o, o
wy arrow 0.0
max=0.6
12=P uz time 0.0 = 0
w3 fier 0.0 = 0
ws like 01.121
w3 am 0.020
ws arrow 0.0=0
- Max21
T3 M11 T3 M12 (mg.m1)
N (0.0384).0 = 0.
0.6 V (0.013). (0.6) = 0.0078
P (0.0384). 1 2 0.0384
D (0.19).0=0

29		M13	
Thu		T.,	M,2
Q IS SEE		N	0.019
		V	0
		P	0.003
		b	0.0132
M13_			(m12. f2)
Ty=N	Ta	N	0.(0.16)=0
	T <sub>2</sub>	V	(0.0078)-(0.4) = 0.003
	Ta	P	(0.0384). (0.5) = 0.019
	Ta	h	0.1 = 0
			Max = 0.019
MIS			(m12. t3)
Ty=D	T3	N	(0-0073)-(0-2)-\$ 0.020
	T3	V	(0.0078). (0.2) × 0.0015
	T <sub>3</sub>	P	(0.0384).(0.5)=0.0132
	T <sub>3</sub>		0.020
			max = 0.0192



W	.15		25 28 27 28						
31 -		= tim	e 0.0						
Sat wy 2 stice 0.0									
wy2 like o.)									
wys an o.o									
	- wy2 arrow 1,0								
_			max 20						
-									
-14	MIS	Ty	(m13, M15)						
~ ~ ~	0-36	N	(0.019)-(0.36)20-00684						
D	0	~	0.0 20						
	0	P	(0.003).0 20						
_D_	0	D	(0.0192) 0 20						
		1 5	-						
1 —		- 14	2 N						
Sun Ty	M		h.						
N	0.36	-13	MIT						
V	0	~	0.57						
P	0	P	0-144						
DO		h	0.36						
0 10.36									
For MIZ, only Ty=N will be used in MIG-EZ									
( FOR Ty2N) T3 M17-M16. +3									
	,	The second secon	0-36)-(0.16)20.057						
		V	(0.36).(0.4) = 0.144						
		P	(0.31). (0.5) 2 0.18						
		DI	(0.36) 1 = 0-36						

