## UNIVERSITY OF ASIA PACIFIC DEPT OF CSE

HASAN TAHSIN RAFSAN

4TH YEAR

1ST SEMESTER

A SECTION

CLASS PEST

CSE 401

" MC 1711

D1: Hidden
1d: 18701009 which is odd. so, Rainy
Text dig.

D1: Observe.

last dig mod 3= 10000000 9.3 = 2, 50, 8hop.
last dig mod 3= 9 mod 3 = 0, so, walk

D2: Hidden

sec last dig = 0; son even, 30, son

DZ' Observe.

2nd but mod3 = .0 mod3 = 0 . So, welly

D3; Hidden
3rd last dig = 0, even, sunny.

D3: Observe

3 rd last mod 3 = 0 mod 3 = 0, So, Walk.

12(0/000)

18701009	
Fransition Matrix A	
A = R [0.7 0.3] S [0.4 0.6]	
Extra Rodinix	10
R [0:1.0:4 0:5] S [0:6 0:3 0:1]	
Now. We have to determine D1 -> D2 -> D3	*
So, matter with Thele	weather = x
	Ecocodo = Y

1.

18101009

P(Y=W->W->W, X=R->SHES)

P(XI

P(X1=R) \* P(Y= W|X1=R) \*

\* P(x2= S / | X 1= R) \* P(Y2=W| x2=S)

+ P (x3= S | X2= S) + P (x3= w | x3= S)

So, hore.

P(M=R) + 0.1 + 0.3 + 0.3 + 0.6 + 0.3

0023

Now; ist I will and

P(XIRR)

111, 1 - 1 10 1 1 - 1 - 12 Tag