

A TEXAMPLEON

Day 1 Hidden State: Rainy

Day I observable state: Shop

Day 2 Hidden State: Sunng

Day 2 observable state: Walk

Day 3 Hidden state: Rainy: xistam moissim?

Day 3 observable state: Walk

So, I need to find the probablity of :

Rainy -> Sunny -> Rainy

Shop Walk Walk

1.02 (1) 9



A Transition Matrix! - - ! Notife mobile! A

Emission Matrix: panal : state mobile & pad

$$E = R \begin{bmatrix} 0.1 & 0.4 & 0.5 \\ 0.6 & \text{philo.3.79} & 0.11 \end{bmatrix} brit of both T. R$$

Hene. 
$$T = [0.6]$$
  $0.4]$   $T = [0.6]$ 

- = 0.6 \* 0.4 \* 0.3 \* 0.6 \* 0.4 × 0.1
- = 0.001728

Ans;