











* Want to incorporate dependence on
recent past.
* Ignore dependence on much later Past.
(Xm ~ m is time index)
\times_{0} , \times_{1} , \times_{2} , \times_{3} . $$, \times_{t} , \times_{t+1} $$
$P(X_{t} = j \mid X_{t-1} = 2i, X_{t-2} =)$ $(x_{t} =, X_{0} =$
* Discrete time
Discrete Time fransition fransition probabilities fransition probabilities
fransition probabilities. Probabilities.
(*), State Space, of a M.C. (Markov Chain).
Weather -> { S, R, C } = State space of MC Xt takes values either R ———————————————————————————————————
$P(X_{t}=S X_{t-1}=S)=$ $P(X_{t}=S X_{t-1}=R)=$

