

$$P(S_{HI} = s' | S_t = S_{....}) = P_{ss'} := P(S_{HI} = s' | S_t = s)$$

2) MDP

Sequence of Time:
$$t = 0.1.2...$$

State Space: $St \in S$

Action Space: $A(St) \in A(St) \subseteq A(S)$

Reward: $RtH \in \mathbb{R}$

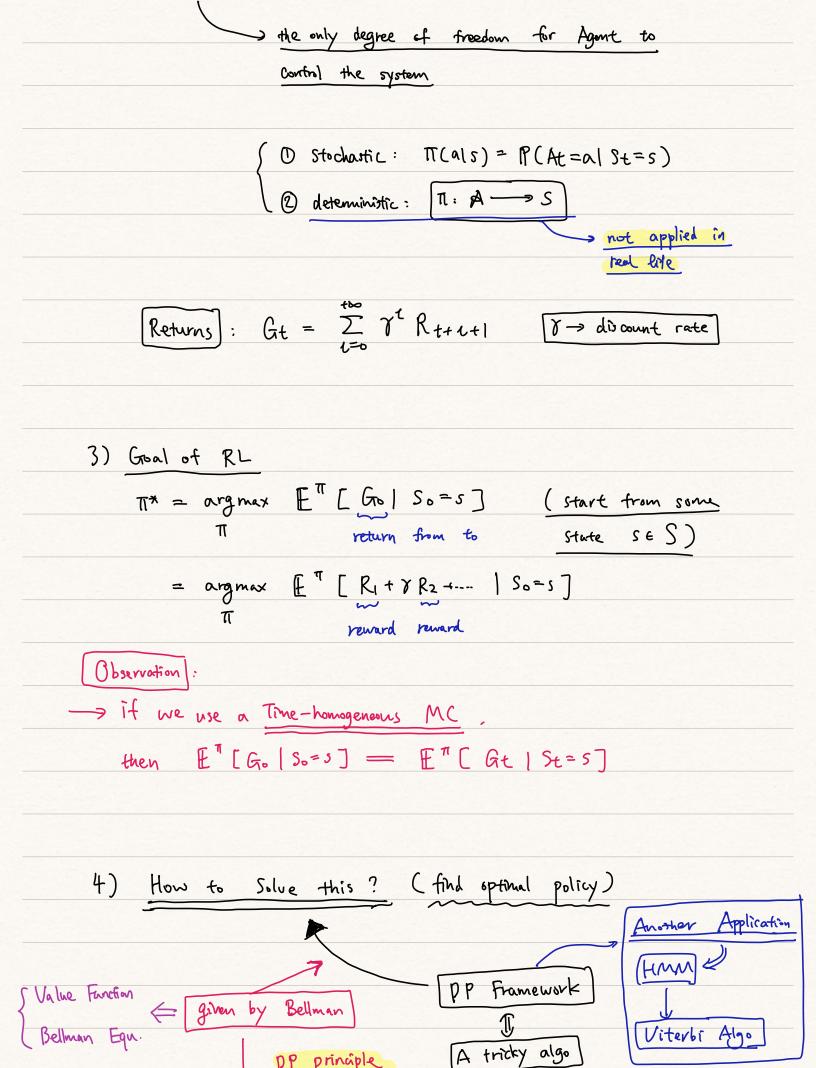
Jepends on St & At

MDP Trans. Prob. :=
$$P(S_{t+1}=S', R_{t+1}=r | S_t=s)$$
.

:= $P(S', r | S, a)$

if we have the policy then R_{t+1} only depends

A MPP is finite \iff { $|S| < \infty$ then RtH only depends on State St



			> O(N2T)	
global	optimal =>	sub-optimal	(most important idea)	
	decomo ano			
	decompos	se the question	hack wards	