











Prediction Problem	Bellman Equation
 estimating the value function V^b for a fixed policy p consider only states and rewards s₀,r₁,s₁,r₂ m-vector P of state transition probabilities m-vector R of expected rewards for each state 	 used to determine the form of models that predict over many time steps any P and R satisfying the Bellman equation constitute a vaid model thus it can be used to calculate the value function
P and R are the 1-step model	- tells us which temporal details to delete and which to retain
$\label{eq:view} \begin{split} V^T x_i \text{ is the value of } s_i \\ \pi &= \frac{\pi}{2} \sum_{a=1}^{n-1} \pi^{aa} \pi \\ &= \pi + \pi^{aa} \pi \end{split}$	- generalized Bellman equation - update and improve an approximation V, of V by lookahead or backup















