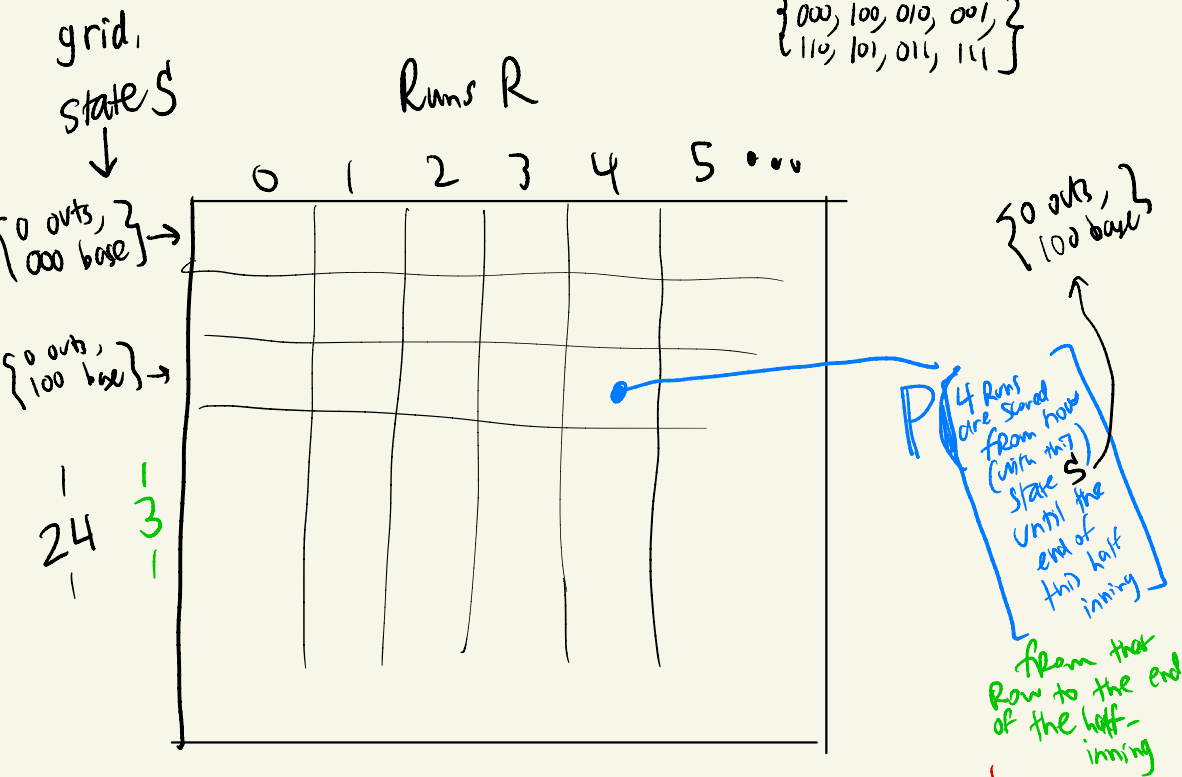


# Partial Inning Grid

hard due Nov 30

$P(R|S)$  = distribution of runs scored by the end of a half-inning given state space  $S$

$S$  has size 24 since there are  $\begin{cases} 3 \text{ outs configurations } \{0, 1, 2\} \\ 8 \text{ base configurations } \{000, 100, 010, 001, 110, 101, 011, 111\} \end{cases}$



• Hard Part - i don't have a base configuration column right now  
I'll do this

→ step 1: ignore base configuration, for now

at the end: separate into 3 grids  $\begin{cases} \text{innings} & 1-5 \text{ (stoppers)} \\ \text{innings} & 6-7 \text{ (middle)} \\ \text{innings} & 8-9 \text{ (reliever)} \end{cases}$