# EECS3342 Winter 2022 <br> Notes on Discharging POs of Refinement <br> (New Events: Invariant Preservation \& Deadlock Freedom) Bridge Controller: Initial Model vs. 1st Refinement 

Chen-Wei Wang

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1 Discharing the PO of Invariant Preservation: IL_in/inv1_4/INV

MON \begin{tabular}{|l|}

\hline | $a+b+c=n$ |
| :--- |
| $\vdash$ |
| $(a-1)+(b+1)+c=n$ | <br>

ARI $|$| $a+b+c=n$ |
| :--- |
| $\vdash$ |
| $a+b+c=n$ | <br>

\hline
\end{tabular} $\mathbf{H Y P}$

Discharing the PO of Invariant Preservation: IL_in/inv1_5/INV


