

<div style="text-align: center; border-bottom: 1px solid black; margin-bottom: 10px;"> MODULE <i>simpleprogram</i> </div> <div> EXTENDS <i>Integers</i> VARIABLES <i>i</i>, <i>pc</i> $Init \triangleq (pc = \text{"start"}) \wedge (i = 0)$ $Pick \triangleq \wedge pc = \text{"start"}$ $\wedge i' \in 0 \dots 1000$ $\wedge pc' = \text{"middle"}$ $Add1 \triangleq \wedge pc = \text{"middle"}$ $\wedge i' = i + 1$ $\wedge pc' = \text{"done"}$ $Next \triangleq Pick \vee Add1$ </div>
