

$$\begin{aligned}
\llbracket \text{psub} \rrbracket_M (v_1, v_2) &\triangleq \mathbf{if} \quad (v_1, v_2) \in \text{LogicalPtr} \times \text{Int} \mathbf{then} \llbracket \text{sub} \rrbracket_{\text{CompCert}} (\text{toInt}_M(v_1), v_2) \\
&\quad \mathbf{elif} \quad (v_1, v_2) \in \text{Int} \times \text{LogicalPtr} \mathbf{then} \llbracket \text{sub} \rrbracket_{\text{CompCert}} (v_1, \text{toInt}_M(v_2)) \\
&\quad \mathbf{else} \quad \llbracket \text{sub} \rrbracket_{\text{CompCert}} (v_1, v_2)
\end{aligned}$$