Small-step evaluation rules for the $L23_{\tau}$ internal language

Corrections: The boxed rules for conditionals have been corrected; Z and SZ were exchanged in the t_1 position.

$$\begin{array}{c} \underbrace{t_1 \to t_1'}_{\mathbf{S}t_1 \to \mathbf{S}t_1'} & \underbrace{[\mathbf{Z} + t_2] \to t_2}_{\mathbf{[}\mathbf{V}_1 - \mathbf{Z}] \to \mathbf{V}_1} & \underbrace{[\mathbf{S}v_1 + t_2] \to [v_1 + \mathbf{S}t_2]}_{\mathbf{[}\mathbf{V}_1 + \mathbf{V}_2] \to [t_1' + t_2]} \\ & \underbrace{[\mathbf{Z} - v_2] \to \mathbf{Z}}_{\mathbf{[}\mathbf{V}_1 - \mathbf{Z}] \to \mathbf{V}_1} & \underbrace{[\mathbf{S}v_1 - \mathbf{S}v_2] \to [v_1 - v_2]}_{\mathbf{V}_1 - t_2] \to [t_1' - t_2]} \\ & \underbrace{t_1 \to t_1'}_{\mathbf{[}t_1 - t_2] \to [t_1' - t_2]} & \underbrace{t_2 \to t_2'}_{\mathbf{[}v_1 - t_2] \to [v_1 - t_2']} \\ \\ & \underbrace{t_1 \to t_1'}_{\mathbf{[}t_1 < t_2] \to [t_1' < t_2]} & \underbrace{t_2 \to t_2'}_{\mathbf{[}v_1 < t_2] \to [v_1 < t_2']} \\ \\ & \underbrace{[\mathbf{Z} = \mathbf{Z}] \to \mathbf{SZ}}_{\mathbf{Z}} & \underbrace{[\mathbf{Z} = \mathbf{S}v_2] \to \mathbf{Z}}_{\mathbf{Z}} & \underbrace{[\mathbf{S}v_1 == \mathbf{Z}] \to \mathbf{Z}}_{\mathbf{Z}} & \underbrace{[\mathbf{S}v_1 == \mathbf{S}v_2] \to [v_1 == v_2]}_{\mathbf{Z}} \\ \\ & \underbrace{[(v_1, v_2) == (v_3, v_4)] \to [[v_1 == v_3]?[v_2 == v_4] : \mathbf{Z}]}_{\mathbf{Z}} \\ & \underbrace{t_1 \to t_1'}_{\mathbf{[}t_1 == t_2] \to [t_1' == t_2]} & \underbrace{t_2 \to t_2'}_{\mathbf{[}v_1 == t_2] \to [v_1 == t_2']}_{\mathbf{Z}} \\ \\ & \underbrace{[\mathbf{SZ} ? t_2 : t_3] \to t_2}_{\mathbf{Z}} & \underbrace{[\mathbf{Z} ? t_2 : t_3] \to t_3}_{\mathbf{Z}} & \underbrace{t_1 \to t_1'}_{\mathbf{Z} + t_1' \to t_1'}_{\mathbf{Z} + t_2' \to (v_1, t_2) \to (v_1, t_2')}_{\mathbf{Z}} \\ \\ & \underbrace{t_1 \to t_1'}_{\mathbf{Z} + t_1 \to \mathbf{Z} + t_1'} & \underbrace{t_2 \to t_2'}_{\mathbf{Z} + t_1 \to \mathbf{Z} + t_1'}_{\mathbf{Z} + t_1 \to \mathbf{Z} + t_1'}_{$$