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$$\begin{aligned}
& \mathbb{R}_2[V, \mathbb{A}] : \\
& \mathbb{J}(\mathbb{X}, \mathbb{A}) \\
& \mathbb{J}(\mathbb{X}, \mathbb{A}) - \mathbb{A} \mathbb{X} \mathbb{A} \\
& \mathbb{V}(\mathbb{V}, \mathbb{A}) \\
& \mathbb{W}(\mathbb{I}, \mathbb{V} \mathbb{V} \mathbb{X}) \\
& \mathbb{W} \mathbb{V} \mathbb{A} \\
& \mathbb{V} \mathbb{A} \\
& \mathbb{J}(\mathbb{J}, \mathbb{A}) \\
& \vdots \\
& \mathbb{A}(\mathbb{A}, \mathbb{A}) \\
& \mathbb{V}(\mathbb{X}, \mathbb{A}) \\
& \mathbb{A}(\mathbb{X}, \mathbb{A}) \\
& \mathbb{A}(\mathbb{J}, \mathbb{A}) \\
& \mathbb{A}(\mathbb{X}, \mathbb{A}) \\
& \mathbb{A}(\mathbb{J}, \mathbb{A}) \\
& \mathbb{X}(\mathbb{A}, \mathbb{A}) \\
& \mathbb{V}(\mathbb{V}, \mathbb{A}) \\
& \vdots \\
& \mathbb{J}(\mathbb{J}, \mathbb{X}) \quad / \quad / \\
& \mathbb{A}(\mathbb{J}, \mathbb{X}) \\
& \mathbb{A}(\mathbb{V}, \mathbb{X}) \\
& \mathbb{W}(\mathbb{X}) \\
& \mathbb{A}(\mathbb{X}, \mathbb{A}) \\
& \mathbb{X}(\mathbb{X}) \\
& \mathbb{W}(\mathbb{J}, \mathbb{X}) \\
& \mathbb{V}(\mathbb{V}, \mathbb{X}) \\
& \vdots \\
& \mathbb{V}(\mathbb{V}, \mathbb{A}) \\
& \mathbb{J}(\mathbb{J}, \mathbb{A}) \\
& \mathbb{X}(\mathbb{V}, \mathbb{A}) \\
& \mathbb{X}(\mathbb{X}, \mathbb{A}) \\
& \mathbb{W}(\mathbb{J}, \mathbb{A}) \\
& \mathbb{A}(\mathbb{V}, \mathbb{A}) \\
& \mathbb{X}(\mathbb{X}, \mathbb{A}) \\
& \mathbb{A}(\mathbb{J}, \mathbb{A}) \\
& \mathbb{X}(\mathbb{V}, \mathbb{A}) \\
& \mathbb{V}(\mathbb{X}, \mathbb{A}) \\
& \mathbb{V}(\mathbb{V}, \mathbb{A}) \\
& \mathbb{V}(\mathbb{X}, \mathbb{A}) \\
& \mathbb{X}(\mathbb{A}, \mathbb{J}) \\
& \mathbb{X}(\mathbb{A}, \mathbb{J}) \\
& \mathbb{X}(\mathbb{A}, \mathbb{J}) \\
& \mathbb{A}(\mathbb{J}, \mathbb{J}) \\
& \mathbb{A}(\mathbb{J}, \mathbb{J}) \\
& \mathbb{X}(\mathbb{J}, \mathbb{J}) \\
& \mathbb{X}(\mathbb{X}, \mathbb{J}) \\
& \mathbb{A}(\mathbb{J}) \\
& \mathbb{W}(\mathbb{J}, \mathbb{J}) \\
& \mathbb{X}(\mathbb{V}, \mathbb{J}) \\
& \mathbb{W}(\mathbb{V}, \mathbb{J}) \\
& \mathbb{J}(\mathbb{J}, \mathbb{J}) \\
& \mathbb{A}(\mathbb{V}, \mathbb{J}) \\
& \mathbb{W}(\mathbb{V}, \mathbb{J}, \mathbb{X}) \\
& \mathbb{W}(\mathbb{X}, \mathbb{V}, \mathbb{A}, \mathbb{I}, \mathbb{V}, \mathbb{A}) \\
& \mathbb{V}(\mathbb{V}, \mathbb{J}) \\
& \mathbb{A}(\mathbb{J}, \mathbb{V}) \\
& \mathbb{W}(\mathbb{J}, \mathbb{V}, \mathbb{A})
\end{aligned}$$
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$$\frac{\mathbf{x}_L^T \mathbf{V} \mathbf{x}_L}{\mathbf{V}^{-1} \mathbf{y}_L^T \mathbf{V} \mathbf{y}_L} \quad /$$
$$\begin{array}{l} V_L \times_L V \times_L: \\ W_L \times_L V \times_L: \\ I_L \times_L V \times_L: \\ V_{\neg} \times_L V \times_L: \\ I_{\neg} \times_L V \times_L: \\ X_{\neg} I \times_L \end{array}$$
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$$\begin{array}{l} \dot{V}_1 \\ \dot{V}_2 \\ \dot{V}_3 \\ \dot{V}_4 \\ \dot{V}_5 \end{array}$$
$$\begin{array}{l} V_{\gamma} V_{\gamma} X_{\gamma} \\ V_{\gamma} V_{\gamma} X_{\gamma} \\ |_{\gamma} V_{\gamma} X_{\gamma} \\ V_{\gamma} V_{\gamma} X_{\gamma} \\ V_{\gamma} V_{\gamma} |_{\gamma} \end{array}$$
$$\begin{array}{c} \dot{V} \backslash \dot{V}_L \\ | \quad \dot{V} \backslash \dot{V}_L \\ \dot{V}_1 \quad \dot{V} \backslash \dot{V}_L \\ \dot{V} \backslash \dot{V}_L \end{array}$$

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 \dot{W}_{12}
 \dot{W}_{12}
 \dot{W}_{12}

$\begin{array}{c} \cdot \\ | \\ \text{H} \\ | \\ \text{V} \end{array}$

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 $\nabla \cdot \nabla \cdot \nabla$
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 $\nabla \cdot \nabla \cdot \nabla$

$$\begin{array}{l} x_7 \times \sqrt{L} \\ V_7 \times x_7 \times \sqrt{L} \\ L \times x_7 \times \sqrt{L} \\ V_7 \times x_7 \times \sqrt{L} \\ L \times x_7 \times \sqrt{L} \\ \sqrt{L} \times V_7 \end{array}$$

$\bar{V}_L \bar{V}_X$
 $\bar{V} \bar{V}_L \bar{V}_X$
 $\bar{L} \bar{V}_L \bar{V}_X$
 $\bar{V} \bar{V}_L \bar{V}_X$
 $\bar{L} \bar{V}_L \bar{V}_X$
 $\bar{J}_L \bar{J}_V$

$\tilde{J}_L \tilde{J}_V$
 $\tilde{V} \tilde{J}_L \tilde{J}_V$
 $\tilde{L} \tilde{J}_L \tilde{J}_V$
 $\tilde{V} \tilde{J}_L \tilde{J}_V$
 $\tilde{V}_L \tilde{J}_L \tilde{J}_V$

$$\begin{array}{c} \cdot \\ \times | \times \\ \vee \quad \times | \times \\ | \quad \times | \times \\ \vee \quad \times | \times \\ | \quad \times | \end{array}$$
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$$\begin{aligned} & V_{-1} X_{-1} \\ & \dot{V}_{-1} X_{-1} \\ & \dot{V}_{-1} V_{-1} X_{-1} \\ & I_{-1} V_{-1} X_{-1} \\ & V_{-1} V_{-1} X_{-1} \\ & I_{-1} X_{-1} \end{aligned}$$
$$\begin{array}{l} \vdots \\ \vdots \times V_L \\ V_L \vdots \times V_L \\ \vdots \times V_L \\ V_L \vdots \times V_L \\ \vdots \end{array}$$

Jh' WV-
 Jh' WV-
 V' Jh' WV-
 l Jh' WV-
 W' Jh' WV-
 V- Jh' WV-
 l Jh' WV-
 W' IV-

$$\begin{array}{c} \dot{V} \dot{V} \\ V \dot{V} \dot{V} \\ I \dot{V} \dot{V} \\ V \dot{V} \dot{V} \\ V J V \end{array}$$
$$\begin{array}{l} \dot{V}_L \dot{J}_i \dot{V}_L \\ V' \dot{V}_L \dot{J}_i \dot{V}_L: \\ I_7 \dot{V}_L \dot{J}_i \dot{V}_L: \\ V_7 \dot{V}_L \dot{J}_i \dot{V}_L: \\ X_7 \dot{J}_i X_7 \end{array}$$
$$\begin{array}{l} \dot{x} \\ \dot{V} \\ \dot{I} \\ \dot{V} \\ \dot{V}_1 \end{array} \quad \begin{array}{l} x \\ x \\ x \\ x \\ x \end{array} \quad \begin{array}{l} \dot{x} \\ \dot{V} \\ \dot{I} \\ \dot{V} \\ \dot{V}_1 \end{array}$$

$V_1 V_2$
 $V_1' V_2 V_3$
 $V_1 V_2 V_3$
 $V_1 V_2 V_3$
 $V_1 V_2 V_3$
 $V_1' V_2 V_3$
 $V_1 V_2 V_3$
 $V_1 V_2 V_3$
 $V_1' V_2 V_3$

$$\begin{array}{l} \vee \backslash \vee \text{Ji} \\ \vee \backslash \vee \backslash \vee \text{Ji} : \\ \text{h} \vee \backslash \vee \text{Ji} : \\ \vee \backslash \vee \backslash \vee \text{Ji} : \\ \times \vee \times \end{array}$$
$$\begin{array}{c} \vdots \\ x_L V x \\ V \quad x_L V x \\ | \quad x_L V x \\ V \quad x_L V x \\ \vdots \end{array}$$
$$\begin{array}{l} J_{IL} \times V_7 \\ V_7 \times J_{IL} \\ J_{IL} \times V_7 \\ V_7 \times J_{IL} \\ J_{IL} \times V_7 \end{array}$$

$\begin{matrix} & \cdot \\ J_1 & X \\ V_1 & J_1 X \\ I_1 & J_1 X \\ I_1 X & J_1 \end{matrix}$

$$\begin{array}{l} | \cdot x j_{IL} \\ v' | \cdot x j_{IL} : \\ | \cdot | \cdot x j_{IL} ; \\ v_7 | \cdot x j_{IL} : \\ \forall j_{IL} v_7 \end{array}$$
$$\begin{array}{l} \dot{V}_L \dot{J}_V \\ V_L \dot{V}_L \dot{J}_V \\ I_L \dot{V}_L \dot{J}_V \\ X_L \dot{V}_L \end{array}$$
$$\begin{array}{c} \cdot \\ x_L \times V \\ V \quad x_L \times V \\ | \quad x_L \times V \\ V_7 \quad x_L \times V \\ V \quad x V_7 \end{array}$$
$$\begin{array}{c} \cdot \\ V \backslash x V_7 \\ V \backslash V \backslash x V_7 \\ |_7 V \backslash x V_7 : \\ V_7 V \backslash x V_7 \\ |_7 x_7 \end{array}$$
$$\begin{array}{c} \cdot \\ | \quad | \\ | \quad | \\ V' \quad | \quad | \\ | \quad | \quad | \\ V_7 \quad | \quad | \\ V' \times V' \end{array}$$
$$\begin{array}{c} \cdot \\ \vee \times \vee \\ \vee \quad \vee \times \vee \\ | \quad \vee \times \vee \\ \vee \quad \vee \times \vee \\ \text{Jh} \times \end{array}$$
$$\begin{array}{c} \cdot \\ \text{Jh} \cdot \text{Ix} \\ \vee \text{ Jh} \cdot \text{Ix} : \\ \text{h Jh} \cdot \text{Ix} : \\ \vee \text{ Jh} \cdot \text{Ix} : \\ \vee \times \vee \end{array}$$
$$\begin{array}{c} \vdots \\ V_L \times W_L \\ V' \quad V_L \times W_L \\ | \quad V_L \times W_L : \\ V \quad V_L \times W_L \\ V' \quad W \times \end{array}$$

$\begin{array}{c} \cdot \\ \vee \quad \vee x_1 \\ \vee \quad \vee \quad \vee x_1 \\ | \quad \vee \quad \vee x_1 \\ \vee \quad \vee \quad \vee x_1 \\ \exists \quad \exists \end{array}$

\dot{J}_1
 $\dot{V}_1 \dot{J}_1$
 $\dot{h}_1 \dot{J}_1$
 $\dot{V}_1 \dot{J}_1$
 $\times \dot{J}_1$

$$\begin{array}{c} \cdot \\ \times \text{ } \times \\ \vee \text{ } \times \text{ } \times \\ | \text{ } \times \text{ } \times \\ \vee \text{ } \times \text{ } \times \\ \times \text{ } \times \end{array}$$
$$\begin{array}{c} \cdot \\ \times \quad \times \\ V \quad \times \quad \times \\ | \quad \times \quad \times \\ V \quad \times \quad \times \\ J_1 \quad V_L \end{array}$$

$\begin{matrix} & \cdot \\ J & \backslash & V_L \\ V & \backslash & J & \backslash & V_L \\ I & \backslash & J & \backslash & V_L \\ V & \backslash & J & \backslash & V_L \\ W & \backslash & W \end{matrix}$

$$\begin{array}{c} \text{V} \backslash \text{V} | \\ \text{V} \backslash \text{V} \backslash \text{V} | : \\ | \backslash \text{V} \backslash \text{V} | : \\ \text{V} \backslash \text{V} \backslash \text{V} | : \\ \text{V} \backslash \text{V} \backslash \text{V} | : \end{array}$$
$$\begin{array}{l} x_L \\ \vdots \\ x_L \\ \vdots \\ V \cdot x_L \\ | \cdot x_L \\ V \cdot x_L \end{array}$$

$\mathbb{V}_L V J_7$
 $\mathbb{V}_L V J_7$
 $V \setminus \mathbb{V}_L V J_7$
 $I_7 \mathbb{V}_L V J_7$
 $V_7 \mathbb{V}_L V J_7$

$$\begin{array}{c} \mathbb{V}_L \mathbb{V} \mathbb{V}' \\ \mathbb{V}_L \mathbb{V} \mathbb{V}' \\ \mathbb{V} \mathbb{V}_L \mathbb{V} \mathbb{V}' \\ | \mathbb{V}_L \mathbb{V} \mathbb{V}' \\ \mathbb{V} \mathbb{V}_L \mathbb{V} \mathbb{V}' \end{array}$$
$$\begin{array}{c} \mathcal{H}_{IL} \times \mathcal{H}_{IL} \\ \mathcal{H}_{IL} \times \mathcal{H}_{IL} \\ V' : \mathcal{H}_{IL} \times \mathcal{H}_{IL} \\ I_7 : \mathcal{H}_{IL} \times \mathcal{H}_{IL} \\ V_7 : \mathcal{H}_{IL} \times \mathcal{H}_{IL} \\ V_7 : \mathcal{H}_{IL} \times \mathcal{H}_{IL} \end{array}$$

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$$\begin{array}{c} \mathbb{V}_L V \times \\ \mathbb{V}_L V \times \\ V \cdot \mathbb{V}_L V \times \end{array}$$

