

$$\begin{aligned}
& \underbrace{d + gd}_{\mathfrak{b}} \mathfrak{X}1 + 1 \mathfrak{X} \underbrace{d + \mathbb{A}}_{\mathfrak{b}} \\
& \underbrace{d + gd}_{\mathfrak{b}} \mathfrak{X}1 + 1 \mathfrak{X} \underbrace{d + \mathbb{A}}_{\mathfrak{b}} \\
\underbrace{d + gd}_{\mathfrak{b}} \mathfrak{X}1 + 1 \mathfrak{X} \underbrace{d + \mathbb{A}}_{\mathfrak{b}} &= \tilde{\mathfrak{V}}^j \overbrace{\mathfrak{X}1 \underbrace{d + gd}_{\mathfrak{b}} \mathfrak{X}1 + 1 \mathfrak{X} \underbrace{d + \mathbb{A}}_{\mathfrak{b}}} \\
\underbrace{d + gd}_{\mathfrak{b}} \mathfrak{X}1 + 1 \mathfrak{X} \underbrace{d + \mathbb{A}}_{\mathfrak{b}} &= \underbrace{d + gd}_{\mathfrak{b}} \mathfrak{X}1 + \tilde{\mathfrak{V}}^\mu \mathfrak{X} \underbrace{d + \mathbb{A}}_{\mathfrak{b}}
\end{aligned}$$

$$\text{LHS} = \tilde{\mathfrak{V}}^\mu \mathfrak{X}1 \underbrace{d + gd}_{\mathfrak{b}} \mathfrak{X}1 + 1 \mathfrak{X} \underbrace{d + \mathbb{A}}_{\mathfrak{b}} = \overbrace{\tilde{\mathfrak{V}}^\mu \underbrace{d + gd}_{\mathfrak{b}}} \mathfrak{X}1 + \tilde{\mathfrak{V}}^\mu \mathfrak{X} \underbrace{d + \mathbb{A}}_{\mathfrak{b}} = \text{RHS}$$

$\gamma(A)$