$$p \circ m_2([\psi, -] \otimes \theta^*) \circ (\iota \otimes \theta \partial_x \circ m_2([\psi, -] \otimes \theta^*)(\iota \otimes \theta x[\psi, -]\iota))(\psi^* \otimes \psi^* \otimes \psi^*)$$