$$\int^{\dot{\iota}} d\,.\!\mathrm{?} = \partial \dot{\iota}\,|\,.\mathrm{?} = \partial H | \dot{\iota} \rtimes .\mathrm{?}$$

$$\text{LHS } = \int_{dt}^{H} \underline{\dot{\iota}} \rtimes \sum_{i} .\mathbb{1}^{i} \left({}_{i}\dot{\mathbb{1}}\,\dot{.}\underline{\mathrm{?}} \right) = \int_{dt}^{H} \sum_{i} {}^{t}\underline{\dot{\iota}}^{i}\, {}^{t}\iota \left({}_{i}\dot{\mathbb{1}}\,\dot{.}\underline{\mathrm{?}} \right) = \int_{dt}^{H} {}^{t}\underline{\dot{\iota} \rtimes .\mathrm{?}} = \text{ RHS}$$

$$\int^{\iota} \partial\mathrm{?} \cdot dR = {}^{b}\mathrm{?} - {}^{a}\mathrm{?}$$