

$$\text{lhs} = \int (\mathbb{E} [\dot{\pi}_i p_i + \dot{\pi}_j p_j + \dot{\pi}_k p_k] \times \mathcal{L} / @ (x_{i,j}[1] x_{i+1,k}[1] x_{j+1,k+1}[1]))$$

d { $p_i, p_j, p_k, x_i, x_j, x_k, p_{i+1}, p_{j+1}, p_{k+1}, x_{i+1}, x_{j+1}, x_{k+1}$ } ;

$$\text{rhs} = \int (\mathbb{E} [\dot{\pi}_i p_i + \dot{\pi}_j p_j + \dot{\pi}_k p_k] \times \mathcal{L} / @ (x_{j,k}[1] x_{i,k+1}[1] x_{i+1,j+1}[1]))$$

d { $p_i, p_j, p_k, x_i, x_j, x_k, p_{i+1}, p_{j+1}, p_{k+1}, x_{i+1}, x_{j+1}, x_{k+1}$ } ;

lhs == rhs