as<sub>A,B,C</sub>: 
$$(\mathbf{A} \times \mathbf{B}) \times \mathbf{C} \to \mathbf{A} \times (\mathbf{B} \times \mathbf{C})$$
  
 $\langle \langle a, b \rangle, c \rangle \mapsto \langle a, \langle b, c \rangle \rangle$