$$\langle \langle \langle a, b \rangle, \langle c, d \rangle \rangle$$

$$(A \times B) \times (C \times D)$$

$$as_{A,B,C \times D}$$

$$(A \times B) \times C) \times D$$

$$as_{A,B,C \times Id_D}$$

$$(A \times (B \times C)) \times D$$

$$as_{A,B,C} \times Id_D$$

$$(A \times (B \times C)) \times D$$

$$as_{A,B,C,D}$$

$$(A \times (B \times C)) \times D$$

$$as_{A,B,C,D}$$

$$(A \times (B \times C)) \times D$$

$$as_{A,B,C,D}$$

$$\langle \langle a, \langle b, c \rangle, d \rangle$$

$$\langle \langle a, \langle \langle b, c \rangle, d \rangle \rangle$$