$$\langle 2, \langle 1, c \rangle \rangle$$

$$(A + B) + (C + D)$$

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

$$\langle 1, \langle 2, c \rangle \rangle$$

$$(A + B) + C) + D$$

$$as_{A,B,C} + Id_{D} \downarrow$$

$$(A + (B + C)) + D$$

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

$$A + ((B + C) + D)$$

$$A + ((B + C) + D)$$

$$\langle 1, \langle 2, \langle 2, c \rangle \rangle \rangle$$

$$\langle 2, \langle 1, \langle 2, c \rangle \rangle \rangle$$

$$\langle 2, \langle 1, \langle 2, c \rangle \rangle \rangle$$