$$n + (m + p) \xrightarrow{\alpha_{n,m,p}} (n + m) + p$$

$$\downarrow {\scriptstyle f+(g+h)} \qquad\qquad\qquad \downarrow {\scriptstyle (f+g)+h}$$

$$n' + (m' + p') \xrightarrow[\alpha_{n',m',p'}]{} (n' + m') + p'$$