$$u + v = w \Subset B \xrightarrow{e + 2()^{e}} D \ni z = x + y$$

$$z = e + 2\,w^{e} = e + 2\,\overbrace{1 - w\overset{*}{e}}^{-1}\,w = \overbrace{1 - w\overset{*}{e}}^{-1}\,\overbrace{2w + \underbrace{1 - w\overset{*}{e}}e} = \overbrace{e - w}^{-1}\,\underbrace{e + w}$$

$$\frac{1 + w}{1 - w} = w \bowtie \frac{1 \;\big|\; 1}{-1 \;\big|\; 1}$$

$$\frac{1 \;\big|\; -1}{1 \;\big|\; 1}\,\frac{a \;\big|\; b}{d \;\big|\; c}\,\frac{1 \;\big|\; 1}{-1 \;\big|\; 1} = \frac{a + c - b - d \;\big|\; a - c + b - d}{a - c - b + d \;\big|\; a + c + b + d}$$