$$\underset{\pm}{\overset{\mho}{\mathbb{R}}}\bar{\lhd}\rfloor \xrightarrow{\text{Int}} \text{Ↄ}|\rfloor$$

$$\underset{+}{\overset{\mho}{\mathbb{R}}}\bar{\lhd}\rfloor \xrightarrow{\text{Int}} \text{Ↄ}|\rfloor$$

$$\underset{\pm}{\overset{\mho}{\mathbb{R}}}\bar{\lhd}\rfloor = \frac{{}_{1}\lfloor \overset{\cdots}{\times} {}_{k}\lfloor}{{}_{\jmath}\lfloor \divideontimes {}_{\jmath}\lfloor = \pm 1} \sqsubset \underbrace{\underset{\pm}{\mathbb{R}}\bar{\lhd}\rfloor}_{\text{C}}$$

$$g = {}_{1}\lfloor \overset{\cdots}{\times} {}_{k}\lfloor \Longrightarrow N(g) = g \times g^{t} \in \mathbb{R}\llcorner 0$$

$$g \times g^{t} = {}_{1}\lfloor \times \cdots \times {}_{k}\lfloor \times {}_{k}\lfloor \overset{\cdots}{\times} {}_{1}\lfloor = {}_{k}\lfloor \divideontimes {}_{k}\lfloor \cdots {}_{1}\lfloor \divideontimes {}_{1}\lfloor \neq 0$$

$$N(g \times \acute{g}) = N(g)\, N(\acute{g})$$

$$N(g\acute{g}) = g\, \acute{g}\, \overbrace{g\acute{g}}^{t} = g \underset{\in \mathbb{R}}{(\acute{g}\acute{g}^{t})}\, g^{t} = \underbrace{gg^{t}}\, \underbrace{\acute{g}\acute{g}^{t}} = N(g)\, N(\acute{g})$$

$$\underset{\pm}{\overset{\mho}{\mathbb{R}}}\bar{\lhd}\rfloor = \frac{g \in \underbrace{\underset{\pm}{\mathbb{R}}\bar{\lhd}\rfloor}_{\text{C}}}{g \times g^{t} = \pm 1}$$