Prof. Dr. Alfred Toth

Reelle und komplexe ontische Abbildungen

1. Wir gehen aus von der Definition komplexer Zeichenzahlen (vgl. zuletzt Toth 2014a, b)

Z = (<x.y>, ×, *) mit x, y ∈ {1, 2, 3}.

Dann gibt es folgende Isomorphien zwischen Abbildungen reller und komplexer Zeichenzahlen und Zahlen

[x, y] → [x, [y]] ≅ n → [z = a + bi]

[y, x] → [x, [y]] ≅ n → [z = a + bi]

[x, y] → [[y], x] ≅ n → [$\bar{z}$ = a – bi]

[y, x] → [[y], x] ≅ n → [$\bar{z}$ = a – bi]

[x, y] → [y, [x]] ≅ n → [-$\bar{z}$ = -a – bi]

[y, x] → [y, [x]] ≅ n → [-$\bar{z}$ = -a – bi]

[x, y] → [[x], y] ≅ n → [-z = -a + bi]

[y, x] → [[x], y] ≅ n → [-z = -a + bi]

sowie folgende Isomorphien zwischen Abbildungen komplexer Zeichenzahlen und Zahlen

[x, [y]] → [[y], x] ≅ [z = a + bi] → [$\bar{z}$ = a – bi]

[x, [y]] → [[x], y] ≅ [z = a + bi] → [-z = -a + bi]

[x, [y]] → [y, [x]] ≅ [z = a + bi] →[-$\bar{z}$ = -a – bi]

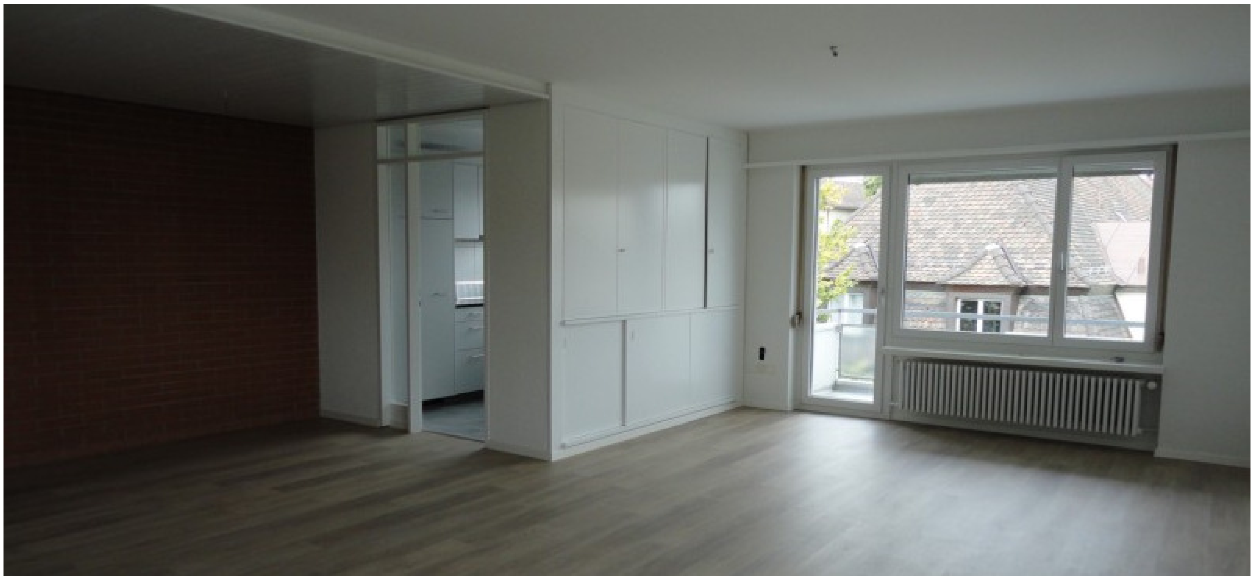
[[y], x] → [[x], y] ≅ [$\bar{z}$ = a – bi] → [-z = -a + bi]

[[y], x] → [y, [x]] ≅ [$\bar{z}$ = a – bi] → [-$\bar{z}$ = -a – bi]

[[x], y] → [y, [x]] ≅ [-z = -a + bi] → [-$\bar{z}$ = -a – bi].

2. Im folgenden werden Beispiele für alle 14 reellen und komplexen ontischen Abbildungen beigebracht.

2.1. $[x, y] \rightarrow [x, [y]] \quad \cong \quad n \rightarrow [z = a + bi]$

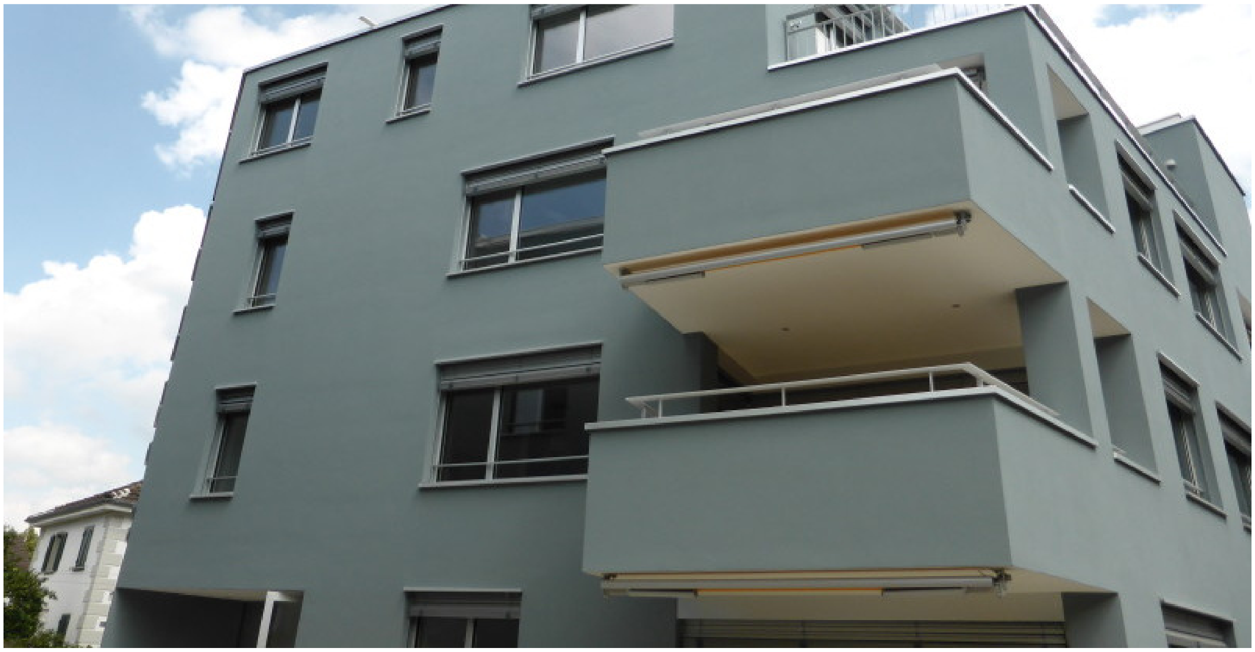


Berninastr. 29, 8057 Zürich

2.2. $[y, x] \rightarrow [x, [y]] \quad \cong \quad n \rightarrow [z = a + bi]$

Thurgauerstr. 36-38, 8050 Zürich

2.3. $[x, y] \rightarrow [[y], x] \;\cong\; n \rightarrow [\bar{z} = a - bi]$

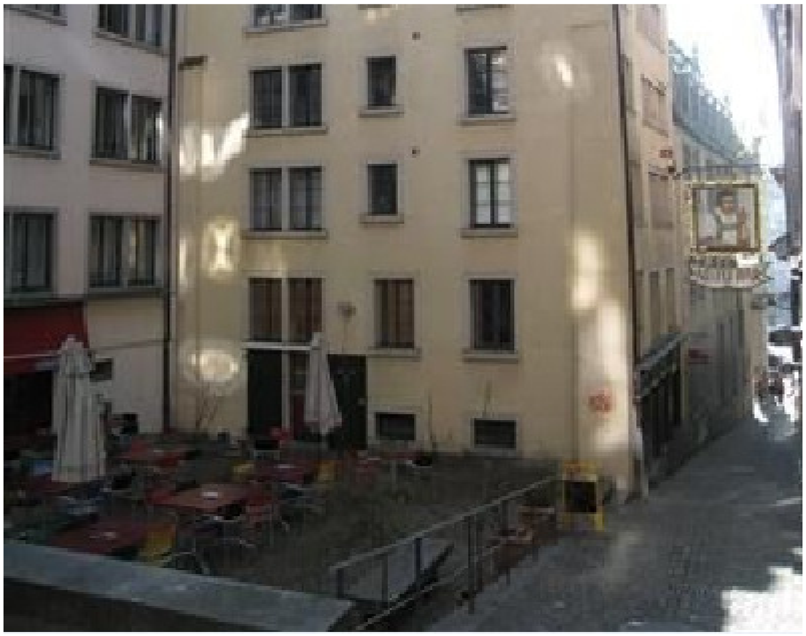


Herbstweg 59, 8050 Zürich

2.4. $[y, x] \rightarrow [[y], x] \;\cong\; n \rightarrow [\bar{z} = a - bi]$

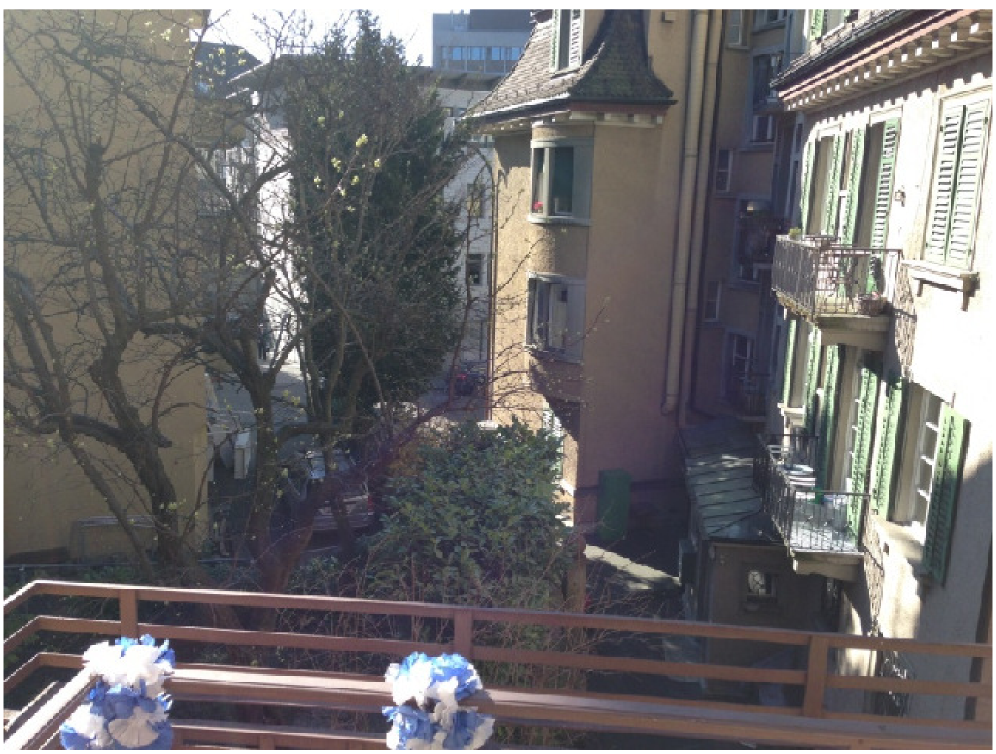
Schneebelistr. 1, 8048 Zürich

2.5. $[x, y] \rightarrow [y, [x]] \quad \cong \quad n \rightarrow [-\bar{z} = -a - bi]$



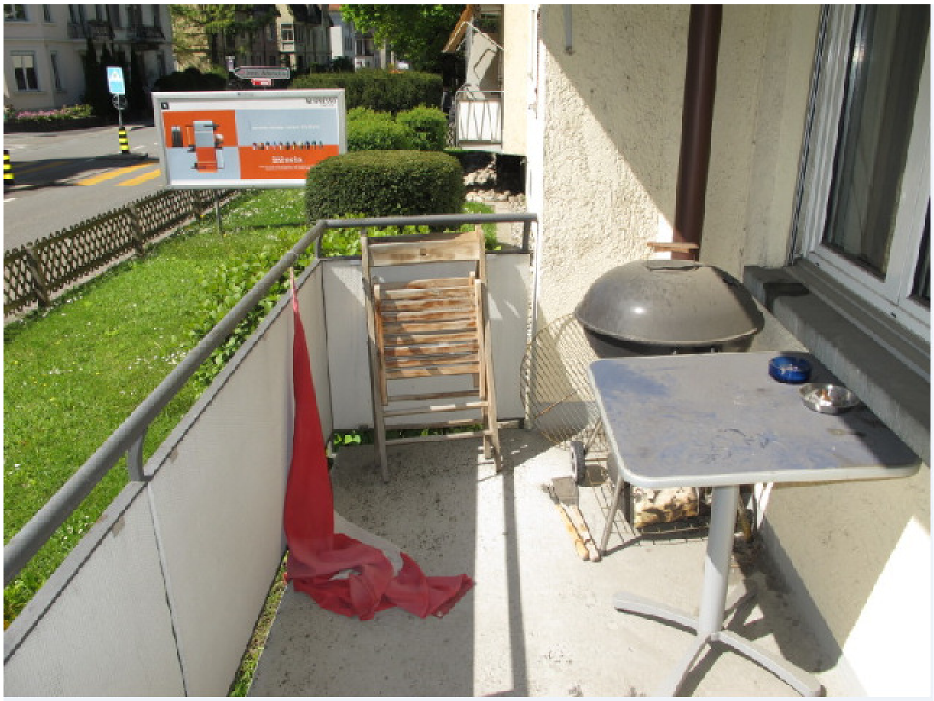
Ankengasse 4, 8001 Zürich

2.6. $[y, x] \rightarrow [y, [x]] \quad \cong \quad n \rightarrow [-\bar{z} = -a - bi]$



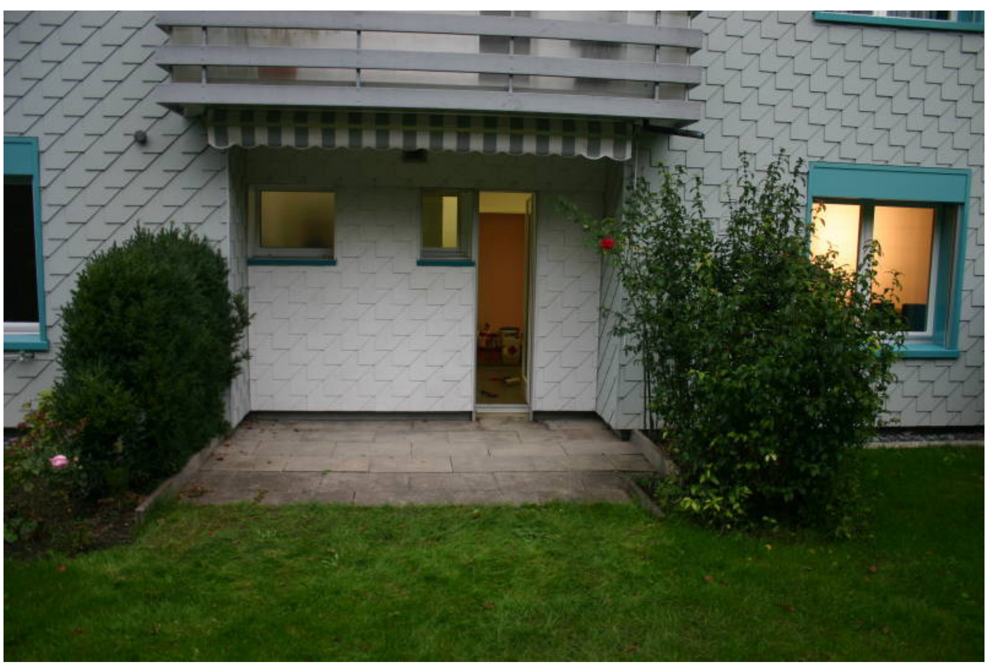
Universitätstr. 46, 8006 Zürich

2.7. $[x, y] \rightarrow [[x], y] \quad \cong \quad n \rightarrow [-z = -a + bi]$



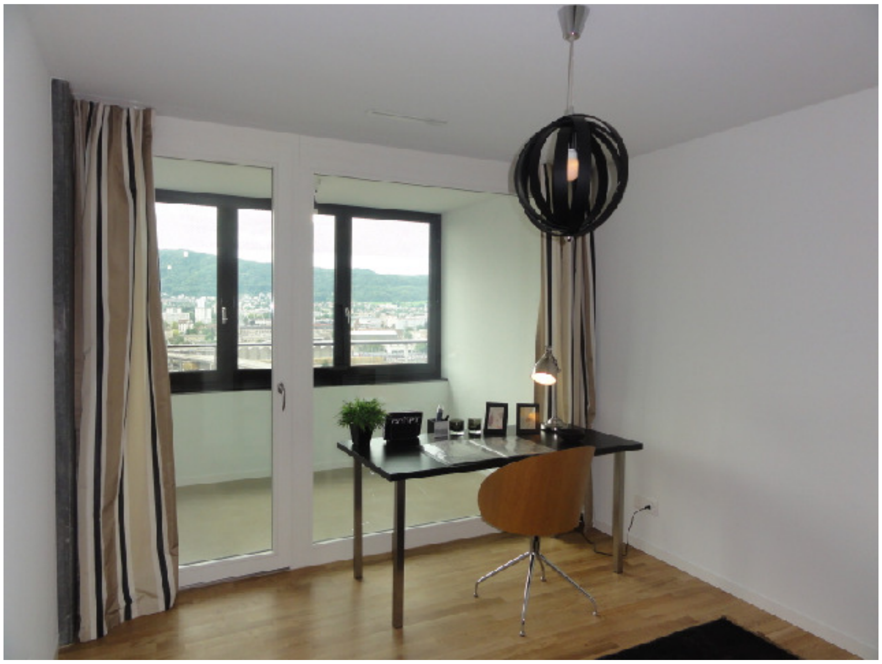
Friedackerstr. 24, 8050 Zürich

2.8. $[y, x] \rightarrow [[x], y] \quad \cong \quad n \rightarrow [-z = -a + bi]$



Wehntalerstr. 299, 8046 Zürich

2.9. $[x, [y]] \rightarrow [[y], x] \quad \cong \quad [z = a + bi] \rightarrow [\bar{z} = a - bi]$

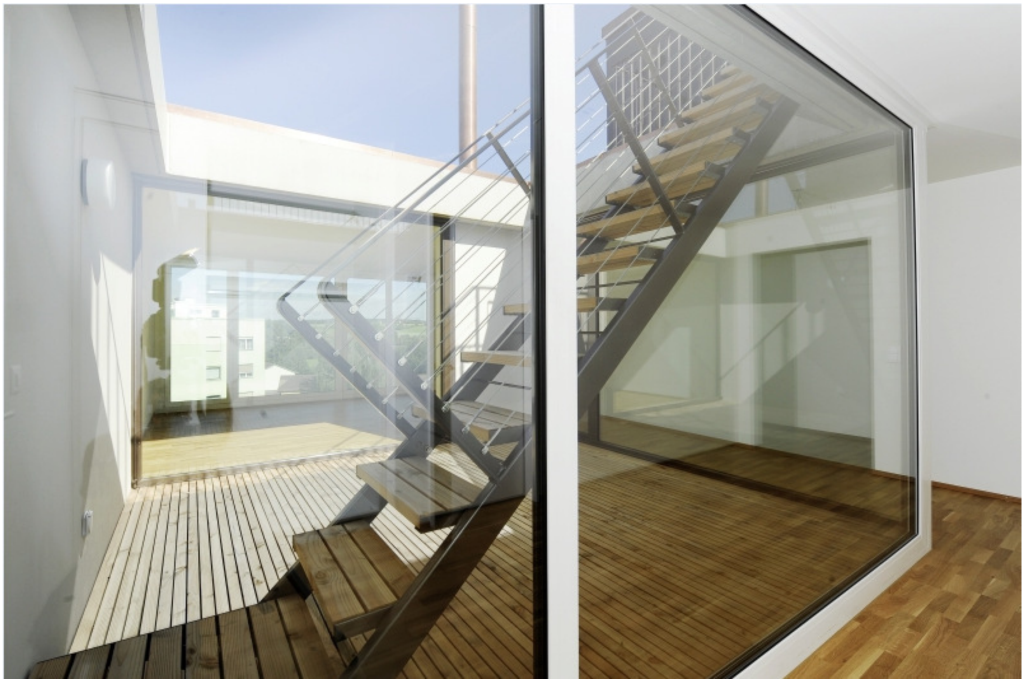


Pfingstweidstr. 94, 8005 Zürich

2.10. $[x, [y]] \rightarrow [[x], y] \quad \cong \quad [z = a + bi] \rightarrow [-z = -a + bi]$

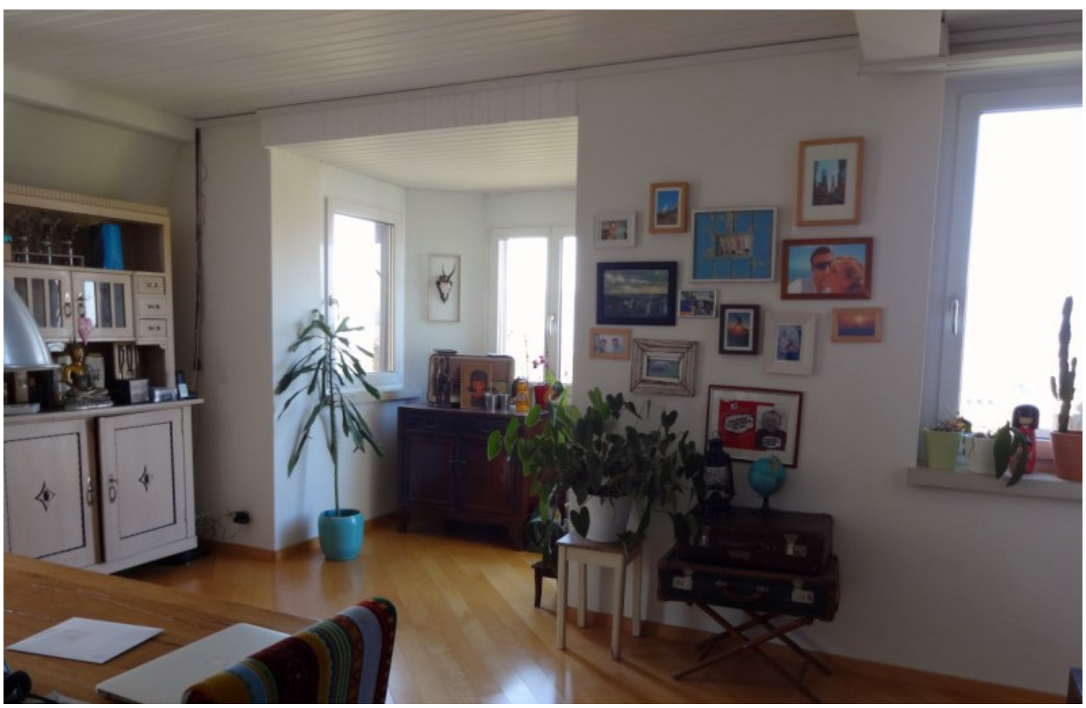
Wiesliacher 63, 8053 Zürich

2.11. $[x, [y]] \rightarrow [y, [x]] \quad \cong \quad [z = a + bi] \rightarrow [-\bar{z} = -a - bi]$



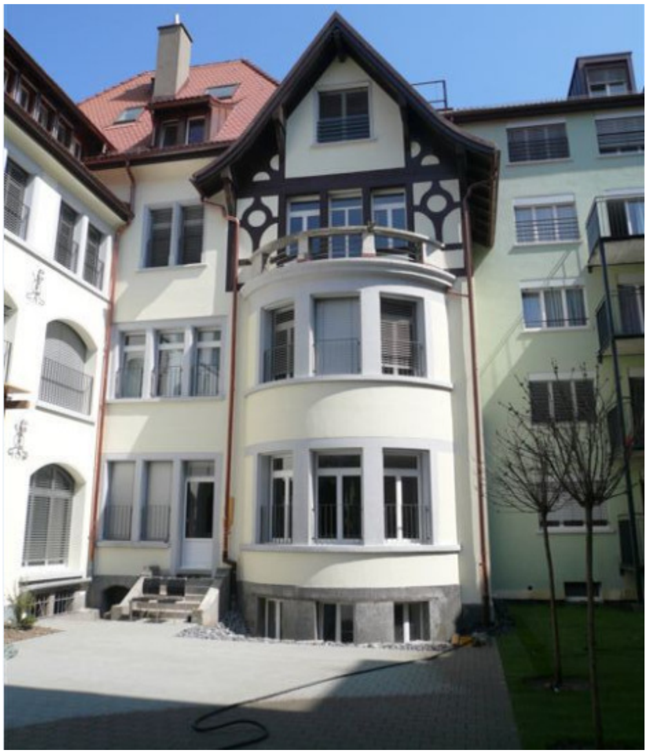
Katzenbachstr. 227, 8052 Zürich

2.12. $[[y], x] \rightarrow [[x], y] \quad \cong \quad [\bar{z} = a - bi] \rightarrow [-z = -a + bi]$



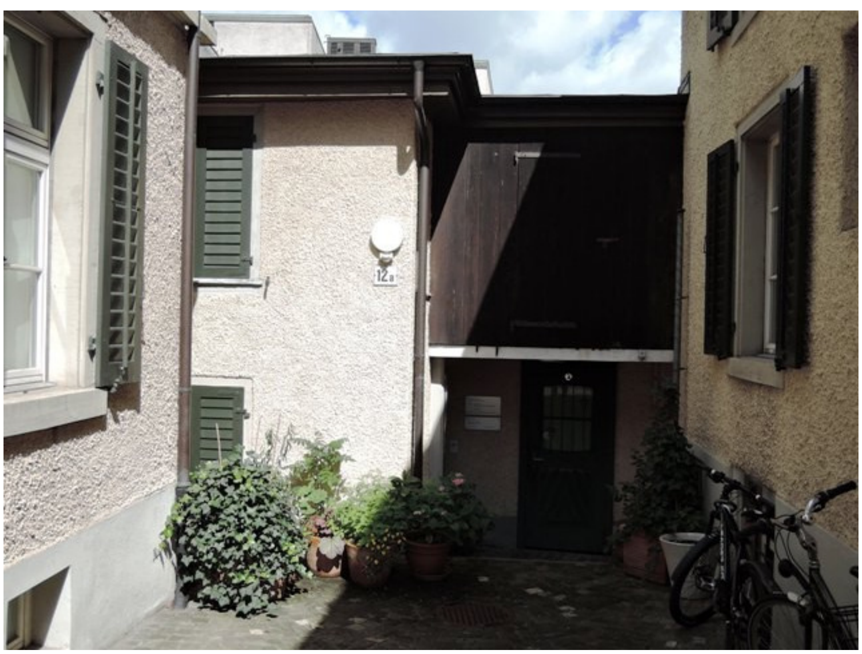
Höhenweg 14, 8032 Zürich

2.13. [[y], x] → [y, [x]] $\cong$ [$\bar{z}$ = a – bi] → [-$\bar{z}$ = -a – bi]



Schöntalstr. 25, 8004 Zürich

2.14. [[x], y] → [y, [x]] $\cong$ [-z = -a + bi] → [-$\bar{z}$ = -a – bi]



Zeltweg 12a, 8032 Zürich

Literatur

Toth, Alfred, Reelle und imaginäre ontische Strukturen. In: Electronic Journal for Mathematical Semiotics, 2014a

Toth, Alfred, Abbildungen komplexer Zeichenzahlen. In: Electronic Journal for Mathematical Semiotics, 2014b

18.12.2014