

Prof. Dr. Alfred Toth

Die Substituierbarkeit von Subzeichen durch qualitative semiotische Funktionen

1. Gemäss Toth (2008c, S. 7 ff.) lässt sich eine abstrakte polykontextural-semiotische tetradisch-relationale Repräsentationsklasse, bestehend aus Zeichenklasse und dualer Realitätsemantik, wie folgt notieren

$$\text{PDS} = ((((.0.), (.1.)), (.2.)), (.3.)) \times (((.3.), ((.2.), ((.1.), (.0.)))).$$

Während nun eine logische 4-stellige Relation 6 2-stellige, 4 3-stellige und 1 4-stellige Partialrelation enthält (gemäss den Newtonschen Binominalkoeffizienten), enthält eine semiotische 4-stellige Relation die folgenden $4 + 15 + 24 + 24 = 67$ qualitativen Partialrelationen:

monadische Partialrelationen: $(.0.), (.1.), (.2.), (.3.)$.

dyadische Partialrelationen: $(\sqcap), (\sqcup), (\sqsubset), (\sqsupset), (\sqcap^*), (\sqcup^*), (\sqsubset^*), (\Delta), (\blacktriangle), (\blacktriangleright), (\square), (\blacksquare), (\blacksquare), (\circ), (\bullet), (\bullet)$.

triadische Partialrelationen: $(0., 2., 1.), (0., 1., 2.), (1., 2., 0.), (1., 0., 2.), (2., 1., 0.), (2., 0., 1.), (3., 2., 1.), (3., 1., 2.), (2., 3., 1.), (2., 1., 3.), (1., 3., 2.), (1., 2., 3.), (0., 3., 2.), (0., 2., 3.), (2., 3., 0.), (2., 0., 3.), (3., 2., 0.), (3., 0., 2.), (0., 3., 1.), (0., 1., 3.), (1., 3., 0.), (1., 0., 3.), (3., 1., 0.), (3., 0., 1.)$.

tetradische Partialrelationen: $(3., 2., 1., 0.), (2., 3., 1., 0.), (2., 1., 3., 0.), (1., 2., 3., 0.), (3., 1., 2., 0.), (1., 3., 2., 0.), (2., 3., 0., 1.), (3., 2., 0., 1.), (2., 1., 0., 3.), (1., 2., 0., 3.), (3., 1., 0., 2.), (1., 3., 0., 2.), (2., 0., 3., 1.), (3., 0., 2., 1.), (2., 0., 1., 3.), (1., 0., 2., 3.), (3., 0., 1., 2.), (1., 0., 3., 2.), (0., 2., 3., 1.), (0., 3., 2., 1.), (0., 1., 2., 3.), (0., 2., 1., 3.), (0., 3., 1., 2.), (0., 1., 3., 2.)$.

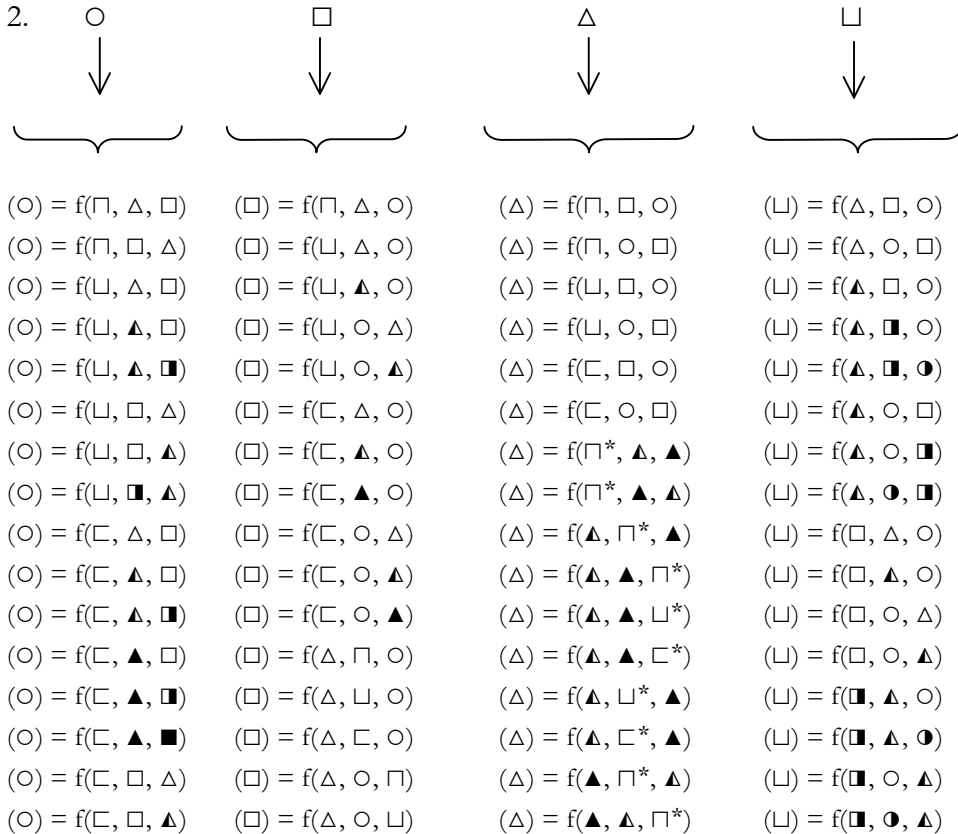
Die drei dyadischen Relationen $(\sqcap^*), (\sqcup^*)$ und (\sqsubset^*) treten allerdings ausschliesslich in Realitätsthematiken auf. In einer polykontexturalen Semiotik, in der die Grenze zwischen Zeichen und Objekt aufgehoben ist, sind also sämtliche Partialrelationen miteinander austauschbar. Während dies für die oben aufgeführten monadischen, dyadischen, triadischen und tetradischen Partialrelationen untereinander ohne weiteres einsichtig ist, zeigen wir in der vorliegenden Arbeit die Ersetzung der dyadischen Subzeichen polykontexturaler Zeichenklassen und Realitätsthematiken durch triadische monokontexturale Voll- und triadische polykontexturale qualitative Partialrelationen mit Hilfe der in Toth (2008d) eingeführten semiotischen Funktionen. Durch diese Substitutionen wird eine enorme Menge von semiotischen Verbindungen zwischen Zeichenklassen sichtbar gemacht, die bis anhin unzugänglich blieben (vgl. Toth 2008a, S. 28 ff.) und damit natürlich auch ein Teil jenes

unsichtbaren “semiotic web”, in das sämtliche kommunikativen, kreativen und repräsentativen Prozesse eingebunden sind.



- (○) = f(□*, ▲, ▲)
- (○) = f(□*, ▲, △)
- (○) = f(□*, ▲, ▣)
- (○) = f(□*, ▲, ○)
- (○) = f(□*, ▣, ▲)
- (○) = f(□*, ▣, ■)
- (○) = f(□*, ■, ▣)
- (○) = f(□*, ■, ○)
- (○) = f(□*, ○, ▲)
- (○) = f(□*, ○, ■)
- (○) = f(□*, ○, ●)
- (○) = f(□*, ●, ○)
- (○) = f(○, ▲, □*)
- (○) = f(○, ■, □*)
- (○) = f(○, □*, ▲)
- (○) = f(○, □*, ■)
- (○) = f(○, □*, ●)
- (○) = f(○, ●, □*)
- (○) = f(●, □*, ○)
- (○) = f(●, ○, □*)

2.



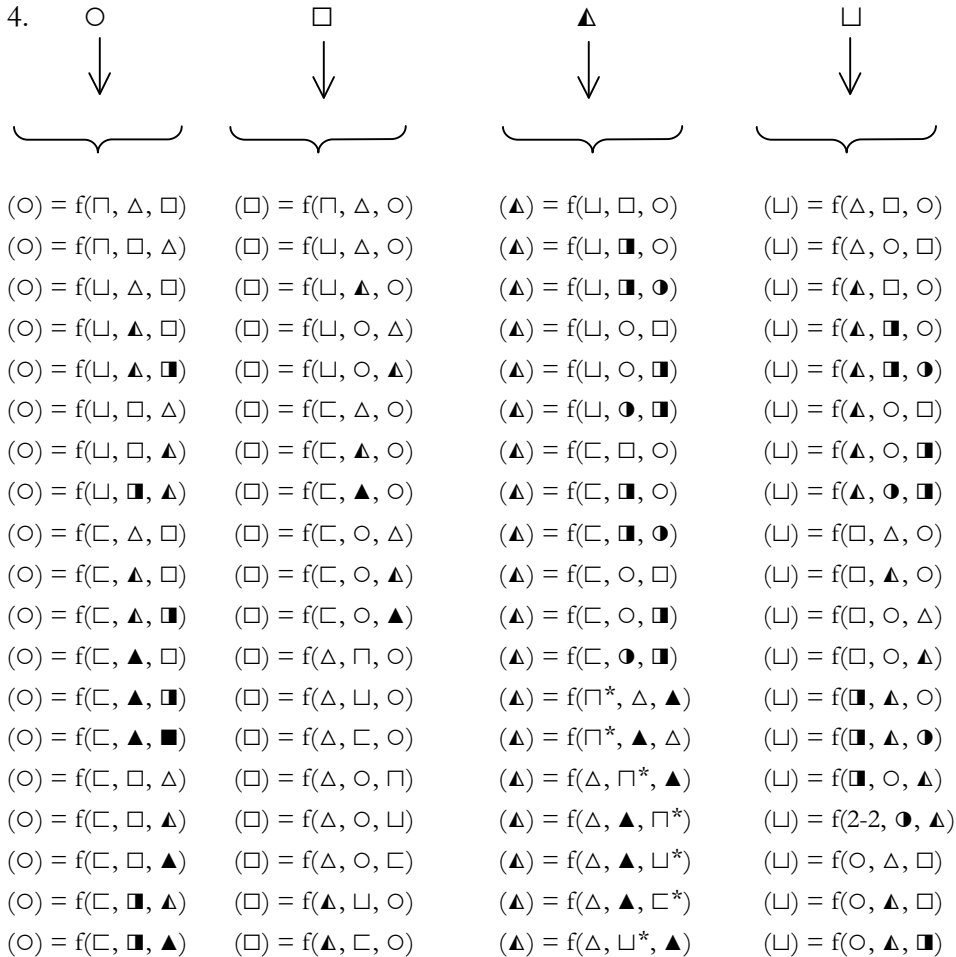
| | | | |
|-------------------|-------------------|-------------------|------------------|
| (O) = f(C, O, ▲) | (□) = f(Δ, O, C) | (Δ) = f(▲, ▲, ⊥*) | (⊥) = f(O, Δ, □) |
| (O) = f(C, ■, Δ) | (□) = f(▲, ⊥, O) | (Δ) = f(▲, ▲, C*) | (⊥) = f(O, ▲, □) |
| (O) = f(C, ■, ▲) | (□) = f(▲, C, O) | (Δ) = f(▲, ⊥*, Δ) | (⊥) = f(O, ▲, ■) |
| (O) = f(C, ■, ▲) | (□) = f(▲, ▲, C*) | (Δ) = f(▲, C*, Δ) | (⊥) = f(O, □, Δ) |
| (O) = f(Δ, □, C) | (□) = f(▲, ▲, ⊥*) | (Δ) = f(⊥*, ▲, ▲) | (⊥) = f(O, □, ▲) |
| (O) = f(Δ, ⊥, C) | (□) = f(▲, ⊥*, ▲) | (Δ) = f(⊥*, ▲, Δ) | (⊥) = f(O, ■, Δ) |
| (O) = f(Δ, C, C) | (□) = f(▲, C*, ▲) | (Δ) = f(□, □, O) | (⊥) = f(●, ▲, ■) |
| (O) = f(Δ, C, □) | (□) = f(▲, O, ⊥) | (Δ) = f(□, ⊥, O) | (⊥) = f(●, ■, Δ) |
| (O) = f(Δ, C, □) | (□) = f(▲, O, C) | (Δ) = f(□, C, O) | |
| (O) = f(Δ, C, C) | (□) = f(▲, C, O) | (Δ) = f(□, O, □) | |
| (O) = f(▲, ⊥, C) | (□) = f(▲, ▲, ⊥*) | (Δ) = f(□, O, ⊥) | |
| (O) = f(▲, ⊥, ■) | (□) = f(▲, ▲, C*) | (Δ) = f(□, O, C) | |
| (O) = f(▲, C, C) | (□) = f(▲, ⊥*, Δ) | (Δ) = f(C*, ▲, ▲) | |
| (O) = f(▲, C, ■) | (□) = f(▲, ⊥*, ■) | (Δ) = f(C*, ▲, Δ) | |
| (O) = f(▲, ▲, C*) | (□) = f(▲, ■, ⊥*) | (Δ) = f(O, □, C) | |
| (O) = f(▲, C, ⊥) | (□) = f(▲, ■, C*) | (Δ) = f(O, ⊥, C) | |
| (O) = f(▲, C, C) | (□) = f(▲, C*, Δ) | (Δ) = f(O, C, C) | |
| (O) = f(▲, ■, ⊥) | (□) = f(▲, C*, ■) | (Δ) = f(O, C, □) | |
| (O) = f(▲, C*, ▲) | (□) = f(▲, O, C) | (Δ) = f(O, □, ⊥) | |
| (O) = f(▲, C, C) | (□) = f(⊥*, ▲, ▲) | (Δ) = f(O, □, C) | |
| (O) = f(▲, C, ■) | (□) = f(⊥*, ▲, ■) | | |
| (O) = f(▲, C, ■) | (□) = f(⊥*, ■, ▲) | | |
| (O) = f(▲, ▲, C*) | (□) = f(⊥*, ■, ■) | | |
| (O) = f(▲, C, C) | (□) = f(⊥*, ■, ■) | | |
| (O) = f(▲, ■, C) | (□) = f(■, ▲, ⊥*) | | |
| (O) = f(▲, ■, C*) | (□) = f(■, ▲, C*) | | |
| (O) = f(▲, ■, C) | (□) = f(■, ⊥*, ▲) | | |
| (O) = f(▲, C*, Δ) | (□) = f(■, ⊥*, ■) | | |
| (O) = f(▲, C*, ■) | (□) = f(■, ■, ⊥*) | | |
| (O) = f(▲, C*, ●) | (□) = f(■, ■, C*) | | |
| (O) = f(▲, ●, C*) | (□) = f(■, C*, ▲) | | |
| (O) = f(□, □, Δ) | (□) = f(■, C*, ■) | | |
| (O) = f(□, ⊥, Δ) | (□) = f(■, ⊥*, ■) | | |
| (O) = f(□, ⊥, Δ) | (□) = f(■, ■, ⊥*) | | |
| (O) = f(□, C, Δ) | (□) = f(■, ■, C*) | | |
| (O) = f(□, C, ▲) | (□) = f(C*, ▲, ▲) | | |
| (O) = f(□, Δ, □) | (□) = f(C*, ▲, Δ) | | |
| (O) = f(□, Δ, ⊥) | (□) = f(C*, ▲, ■) | | |
| (O) = f(□, Δ, C) | (□) = f(C*, ■, ▲) | | |
| (O) = f(□, ▲, ⊥) | (□) = f(C*, ■, ■) | | |

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| (○) = f(□, ▲, □) | (□) = f(○, □, Δ) |
| (○) = f(□, ▲, □) | (□) = f(○, □, ▲) |
| (○) = f(□, ▲, □) | (□) = f(○, Δ, □) |
| (○) = f(□, ▲, □*) | (□) = f(○, Δ, □) |
| (○) = f(□, ■, □*) | (□) = f(○, Δ, □) |
| (○) = f(□, □*, ▲) | (□) = f(○, ▲, □) |
| (○) = f(□, □*, ■) | (□) = f(○, ▲, □) |
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| (○) = f(▲, □, ◻) | (□) = f(⊥*, ▲, ◻) | (□) = f(■, ○, ▲) |
| (○) = f(▲, □, ■) | (□) = f(⊥*, ◻, ▲) | (□) = f(■, ●, ▲) |
| (○) = f(▲, ▲, □*) | (□) = f(⊥*, ◻, ■) | (□) = f(■, ●, ▲) |
| (○) = f(▲, □, □) | (□) = f(⊥*, ■, ◻) | (□) = f(○, △, □) |
| (○) = f(▲, ◻, □) | (□) = f(◻, ▲, ⊥*) | (□) = f(○, ▲, □) |
| (○) = f(▲, ◻, □*) | (□) = f(◻, ▲, □*) | (□) = f(○, ▲, ◻) |
| (○) = f(▲, ■, □) | (□) = f(◻, ⊥*, ▲) | (□) = f(○, ▲, □) |
| (○) = f(▲, □*, △) | (□) = f(◻, ⊥*, ■) | (□) = f(○, ▲, ◻) |
| (○) = f(▲, □*, ◻) | (□) = f(◻, ■, ⊥*) | (□) = f(○, ▲, ■) |
| (○) = f(▲, □*, ●) | (□) = f(◻, ■, □*) | (□) = f(○, □, △) |
| (○) = f(▲, ●, □*) | (□) = f(◻, □*, ▲) | (□) = f(○, □, ▲) |
| (○) = f(□, ◻, △) | (□) = f(◻, □*, ■) | (□) = f(○, □, ▲) |
| (○) = f(□, ⊥, △) | (□) = f(■, ⊥*, ◻) | (□) = f(○, ◻, ▲) |
| (○) = f(□, ⊥, ▲) | (□) = f(■, ◻, ⊥*) | (□) = f(○, ◻, ▲) |
| (○) = f(□, □, △) | (□) = f(■, ◻, □*) | (□) = f(○, ■, ▲) |
| (○) = f(□, □, ▲) | (□) = f(■, □*, ◻) | (□) = f(○, ●, ▲, ◻) |
| (○) = f(□, □, ▲) | (□) = f(□*, △, ▲) | (□) = f(○, ▲, ◻) |
| (○) = f(□, △, ◻) | (□) = f(□*, ▲, ▲) | (□) = f(○, ▲, ■) |
| (○) = f(□, △, ⊥) | (□) = f(□*, ▲, ◻) | (□) = f(○, ◻, ▲) |
| (○) = f(□, △, □) | (□) = f(□*, ◻, ▲) | (□) = f(○, ◻, ▲) |
| (○) = f(□, ▲, ⊥) | (□) = f(□*, ◻, ■) | (□) = f(○, ■, ▲) |
| (○) = f(□, ▲, □) | (□) = f(□*, ■, ◻) | (□) = f(○, ●, ▲, ■) |
| (○) = f(□, ▲, ▲) | (□) = f(○, ◻, △) | (□) = f(○, ●, ■, ▲) |
| (○) = f(◻, ⊥, △) | (□) = f(○, ⊥, △) | |
| (○) = f(◻, □, ▲) | (□) = f(○, ⊥, ▲) | |
| (○) = f(◻, □, ▲) | (□) = f(○, □, △) | |
| (○) = f(◻, ▲, ⊥) | (□) = f(○, □, ▲) | |
| (○) = f(◻, ▲, □) | (□) = f(○, △, ◻) | |
| (○) = f(◻, ▲, □*) | (□) = f(○, △, ⊥) | |
| (○) = f(◻, ■, □*) | (□) = f(○, △, □) | |
| (○) = f(◻, □*, ▲) | (□) = f(○, ▲, ⊥) | |
| (○) = f(◻, □*, ■) | (□) = f(○, ▲, □) | |
| (○) = f(■, □, ▲) | (□) = f(○, ▲, □) | |
| (○) = f(■, ▲, □) | | |
| (○) = f(■, ◻, □*) | | |
| (○) = f(■, □*, ◻) | | |
| (○) = f(■, □*, ●) | | |
| (○) = f(■, ●, □*) | | |
| (○) = f(□*, ▲, ▲) | | |
| (○) = f(□*, ▲, ▲) | | |
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- (○) = f(□*, ▲, ●)
- (○) = f(□*, ■, ▲)
- (○) = f(□*, ■, ■)
- (○) = f(□*, ■, □)
- (○) = f(□*, ■, ●)
- (○) = f(□*, ●, ▲)
- (○) = f(□*, ●, ■)
- (○) = f(□*, ●, ●)
- (○) = f(□*, ●, ●)
- (○) = f(●, ▲, □*)
- (○) = f(●, ■, □*)
- (○) = f(●, □*, ▲)
- (○) = f(●, □*, ■)
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| (○) = f(□, ■, ▲) | (□) = f(▲, ▲, □*) | (▲) = f(▲, □*, ▲) | (⊔) = f(○, □, Δ) |
| (○) = f(▲, □, □) | (□) = f(▲, ▲, ⊔*) | (▲) = f(▲, □*, Δ) | (⊔) = f(○, □, ▲) |
| (○) = f(▲, ⊔, □) | (□) = f(▲, ⊔*, ▲) | (▲) = f(▲, Δ, □*) | (⊔) = f(○, ■, ▲) |
| (○) = f(▲, □, □) | (□) = f(▲, □*, ▲) | (▲) = f(▲, Δ, ⊔*) | (⊔) = f(●, ▲, ■) |
| (○) = f(▲, □, □) | (□) = f(▲, ○, ⊔) | (▲) = f(▲, Δ, □*) | (⊔) = f(●, ■, ▲) |
| (○) = f(▲, □, ⊔) | (□) = f(▲, ○, □) | (▲) = f(▲, ⊔*, Δ) | |
| (○) = f(▲, □, □) | (□) = f(▲, □, ○) | (▲) = f(▲, □, ⊔*) | |
| (○) = f(▲, ⊔, □) | (□) = f(▲, ▲, ⊔*) | (▲) = f(▲, □*, Δ) | |
| (○) = f(▲, ⊔, ■) | (□) = f(▲, ▲, □*) | (▲) = f(▲, □*, □) | |
| (○) = f(▲, □, □) | (□) = f(▲, ⊔*, Δ) | (▲) = f(▲, □*, ○) | |
| (○) = f(▲, □, ■) | (□) = f(▲, ⊔*, ■) | (▲) = f(▲, ○, □*) | |
| (○) = f(▲, ▲, □*) | (□) = f(▲, ■, ⊔*) | (▲) = f(⊔*, ▲, □) | |
| (○) = f(▲, □, ⊔) | (□) = f(▲, ■, □*) | (▲) = f(⊔*, ▲, Δ) | |
| (○) = f(▲, □, □) | (□) = f(▲, □*, Δ) | (▲) = f(⊔*, □, ▲) | |
| (○) = f(▲, ■, ⊔) | (□) = f(▲, □*, ■) | (▲) = f(□, ⊔, ○) | |
| (○) = f(▲, ■, □) | (□) = f(▲, ○, □) | (▲) = f(□, □, ○) | |
| (○) = f(▲, □*, ▲) | (□) = f(⊔*, Δ, ▲) | (▲) = f(□, ▲, ⊔*) | |
| (○) = f(▲, □, □) | (□) = f(⊔*, ▲, Δ) | (▲) = f(□, ⊔*, ▲) | |
| (○) = f(▲, □, ■) | (□) = f(⊔*, ▲, ■) | (▲) = f(□, □*, ▲) | |
| (○) = f(▲, ▲, □*) | (□) = f(⊔*, ■, ▲) | (▲) = f(□, ○, ⊔) | |
| (○) = f(▲, ▲, □) | (□) = f(⊔*, ■, ■) | (▲) = f(□, ○, □) | |
| (○) = f(▲, □, □) | (□) = f(⊔*, ■, ■) | (▲) = f(□, ○, □) | |
| (○) = f(▲, ■, □) | (□) = f(□, ▲, ⊔*) | (▲) = f(□, ⊔, ○) | |
| (○) = f(▲, ■, □*) | (□) = f(□, ▲, □*) | (▲) = f(□, □, ○) | |
| (○) = f(▲, ■, □) | (□) = f(□, ⊔*, ▲) | (▲) = f(□, □, ○) | |
| (○) = f(▲, □*, Δ) | (□) = f(□, ⊔*, ■) | (▲) = f(□, ○, ⊔) | |
| (○) = f(▲, □*, ■) | (□) = f(□, ■, ⊔*) | (▲) = f(□, ○, □) | |
| (○) = f(▲, □*, ○) | (□) = f(□, ■, □*) | (▲) = f(□, ○, □) | |
| (○) = f(▲, ○, □*) | (□) = f(□, □*, ▲) | (▲) = f(□, ○, ⊔) | |
| (○) = f(□, □, Δ) | (□) = f(□, □*, ■) | (▲) = f(□, ○, □) | |
| (○) = f(□, ⊔, Δ) | (□) = f(■, ⊔*, ■) | (▲) = f(□*, Δ, ▲) | |
| (○) = f(□, ⊔, ▲) | (□) = f(■, ■, ⊔*) | (▲) = f(□*, ▲, Δ) | |
| (○) = f(□, □, Δ) | (□) = f(■, ■, □*) | (▲) = f(□*, ▲, □) | |
| (○) = f(□, □, ▲) | (□) = f(■, □*, ■) | (▲) = f(□*, ▲, ○) | |
| (○) = f(□, □, ▲) | (□) = f(□*, Δ, ▲) | (▲) = f(□*, □, ▲) | |
| (○) = f(□, Δ, □) | (□) = f(□*, ▲, Δ) | (▲) = f(□*, ○, ▲) | |
| (○) = f(□, Δ, ⊔) | (□) = f(□*, ▲, ■) | (▲) = f(○, ⊔, □) | |
| (○) = f(□, Δ, □) | (□) = f(□*, ■, ▲) | (▲) = f(○, ⊔, ■) | |
| (○) = f(□, ▲, ⊔) | (□) = f(□*, ■, ■) | (▲) = f(○, □, □) | |
| (○) = f(□, ▲, □) | (□) = f(□*, ■, ■) | (▲) = f(○, □, ■) | |
| (○) = f(□, ▲, □) | (□) = f(○, □, Δ) | (▲) = f(○, ▲, □*) | |
| (○) = f(□, ⊔, Δ) | (□) = f(○, ⊔, Δ) | (▲) = f(○, □, ⊔) | |

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| $(\circ) = f(\blacksquare, \square, \blacktriangle)$ | $(\square) = f(\circ, \sqcup, \blacktriangle)$ | $(\blacktriangle) = f(\circ, \square, \square)$ |
| $(\circ) = f(\blacksquare, \square, \blacktriangle)$ | $(\square) = f(\circ, \square, \triangle)$ | $(\blacktriangle) = f(\circ, \blacksquare, \sqcup)$ |
| $(\circ) = f(\blacksquare, \blacktriangle, \sqcup)$ | $(\square) = f(\circ, \square, \blacktriangle)$ | $(\blacktriangle) = f(\circ, \blacksquare, \square)$ |
| $(\circ) = f(\blacksquare, \blacktriangle, \square)$ | $(\square) = f(\circ, \square, \blacktriangle)$ | $(\blacktriangle) = f(\circ, \square^*, \blacktriangle)$ |
| $(\circ) = f(\blacksquare, \blacktriangle, \square^*)$ | $(\square) = f(\circ, \triangle, \sqcap)$ | $(\blacktriangle) = f(\bullet, \sqcup, \blacksquare)$ |
| $(\circ) = f(\blacksquare, \blacksquare, \square^*)$ | $(\square) = f(\circ, \triangle, \sqcup)$ | $(\blacktriangle) = f(\bullet, \square, \blacksquare)$ |
| $(\circ) = f(\blacksquare, \blacksquare, \square^*)$ | $(\square) = f(\circ, \triangle, \square)$ | $(\blacktriangle) = f(\bullet, \blacksquare, \sqcup)$ |
| $(\circ) = f(\blacksquare, \square^*, \blacktriangle)$ | $(\square) = f(\circ, \blacktriangle, \sqcup)$ | $(\blacktriangle) = f(\bullet, \blacksquare, \square)$ |
| $(\circ) = f(\blacksquare, \square^*, \blacksquare)$ | $(\square) = f(\circ, \blacktriangle, \square)$ | |
| $(\circ) = f(\blacksquare, \square, \blacktriangle)$ | $(\square) = f(\circ, \blacktriangle, \square)$ | |
| $(\circ) = f(\blacksquare, \blacktriangle, \square)$ | | |
| $(\circ) = f(\blacksquare, \blacksquare, \square^*)$ | | |
| $(\circ) = f(\blacksquare, \square^*, \blacksquare)$ | | |
| $(\circ) = f(\blacksquare, \square^*, \bullet)$ | | |
| $(\circ) = f(\blacksquare, \bullet, \square^*)$ | | |
| $(\circ) = f(\square^*, \blacktriangle, \blacktriangle)$ | | |
| $(\circ) = f(\square^*, \blacktriangle, \triangle)$ | | |
| $(\circ) = f(\square^*, \blacktriangle, \blacksquare)$ | | |
| $(\circ) = f(\square^*, \blacktriangle, \bullet)$ | | |
| $(\circ) = f(\square^*, \blacksquare, \blacktriangle)$ | | |
| $(\circ) = f(\square^*, \blacksquare, \blacksquare)$ | | |
| $(\circ) = f(\square^*, \blacksquare, \bullet)$ | | |
| $(\circ) = f(\square^*, \bullet, \blacktriangle)$ | | |
| $(\circ) = f(\square^*, \bullet, \blacksquare)$ | | |
| $(\circ) = f(\square^*, \bullet, \bullet)$ | | |
| $(\circ) = f(\square^*, \bullet, \bullet)$ | | |
| $(\circ) = f(\bullet, \blacktriangle, \square^*)$ | | |
| $(\circ) = f(\bullet, \blacksquare, \square^*)$ | | |
| $(\circ) = f(\bullet, \square^*, \blacktriangle)$ | | |
| $(\circ) = f(\bullet, \square^*, \blacksquare)$ | | |
| $(\circ) = f(\bullet, \square^*, \bullet)$ | | |
| $(\circ) = f(\bullet, \bullet, \square^*)$ | | |
| $(\circ) = f(\bullet, \bullet, \bullet)$ | | |
| $(\circ) = f(\bullet, \bullet, \square^*)$ | | |

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| $(\circ) = f(\blacksquare, \square, \blacktriangle)$ | $(\square) = f(\circ, \square, \triangle)$ | $(\blacktriangle) = f(\blacksquare, \circ, \square)$ |
| $(\circ) = f(\blacksquare, \blacktriangle, \sqcup)$ | $(\square) = f(\circ, \square, \blacktriangle)$ | $(\blacktriangle) = f(\blacksquare, \bullet, \square)$ |
| $(\circ) = f(\blacksquare, \blacktriangle, \square)$ | $(\square) = f(\circ, \square, \blacktriangle)$ | $(\blacktriangle) = f(\square^*, \triangle, \blacktriangle)$ |
| $(\circ) = f(\blacksquare, \blacktriangle, \square)$ | $(\square) = f(\circ, \triangle, \sqcap)$ | $(\blacktriangle) = f(\square^*, \blacktriangle, \triangle)$ |
| $(\circ) = f(\blacksquare, \blacktriangle, \square^*)$ | $(\square) = f(\circ, \triangle, \sqcup)$ | $(\blacktriangle) = f(\square^*, \blacktriangle, \square)$ |
| $(\circ) = f(\blacksquare, \blacksquare, \square^*)$ | $(\square) = f(\circ, \triangle, \square)$ | $(\blacktriangle) = f(\square^*, \blacktriangle, \circ)$ |
| $(\circ) = f(\blacksquare, \square^*, \blacktriangle)$ | $(\square) = f(\circ, \blacktriangle, \sqcup)$ | $(\blacktriangle) = f(\square^*, \square, \blacktriangle)$ |
| $(\circ) = f(\blacksquare, \square^*, \blacksquare)$ | $(\square) = f(\circ, \blacktriangle, \square)$ | $(\blacktriangle) = f(\square^*, \square, \blacksquare)$ |
| $(\circ) = f(\blacksquare, \square, \blacktriangle)$ | $(\square) = f(\circ, \blacktriangle, \square)$ | $(\blacktriangle) = f(\square^*, \blacksquare, \square)$ |
| $(\circ) = f(\blacksquare, \blacktriangle, \square)$ | | $(\blacktriangle) = f(\square^*, \blacksquare, \circ)$ |
| $(\circ) = f(\blacksquare, \blacksquare, \square^*)$ | | $(\blacktriangle) = f(\square^*, \circ, \blacktriangle)$ |
| $(\circ) = f(\blacksquare, \square^*, \blacksquare)$ | | $(\blacktriangle) = f(\square^*, \circ, \blacksquare)$ |
| $(\circ) = f(\blacksquare, \square^*, \circ)$ | | $(\blacktriangle) = f(\square^*, \circ, \bullet)$ |
| $(\circ) = f(\blacksquare, \bullet, \square^*)$ | | $(\blacktriangle) = f(\square^*, \bullet, \circ)$ |
| $(\circ) = f(\square^*, \blacktriangle, \blacktriangle)$ | | $(\blacktriangle) = f(\circ, \square, \square)$ |
| $(\circ) = f(\square^*, \blacktriangle, \triangle)$ | | $(\blacktriangle) = f(\circ, \square, \blacksquare)$ |
| $(\circ) = f(\square^*, \blacktriangle, \blacksquare)$ | | $(\blacktriangle) = f(\circ, \square, \blacksquare)$ |
| $(\circ) = f(\square^*, \blacktriangle, \bullet)$ | | $(\blacktriangle) = f(\circ, \blacktriangle, \square^*)$ |
| $(\circ) = f(\square^*, \blacksquare, \blacktriangle)$ | | $(\blacktriangle) = f(\circ, \square, \square)$ |
| $(\circ) = f(\square^*, \blacksquare, \blacksquare)$ | | $(\blacktriangle) = f(\circ, \blacksquare, \square)$ |
| $(\circ) = f(\square^*, \blacksquare, \square)$ | | $(\blacktriangle) = f(\circ, \blacksquare, \square^*)$ |
| $(\circ) = f(\square^*, \blacksquare, \bullet)$ | | $(\blacktriangle) = f(\circ, \blacksquare, \square)$ |
| $(\circ) = f(\square^*, \bullet, \blacktriangle)$ | | $(\blacktriangle) = f(\circ, \square^*, \blacktriangle)$ |
| $(\circ) = f(\square^*, \bullet, \blacksquare)$ | | $(\blacktriangle) = f(\circ, \square^*, \blacksquare)$ |
| $(\circ) = f(\square^*, \bullet, \bullet)$ | | $(\blacktriangle) = f(\circ, \square^*, \bullet)$ |
| $(\circ) = f(\bullet, \blacktriangle, \square^*)$ | | $(\blacktriangle) = f(\circ, \bullet, \square^*)$ |
| $(\circ) = f(\bullet, \blacksquare, \square^*)$ | | $(\blacktriangle) = f(\bullet, \square, \blacksquare)$ |
| $(\circ) = f(\bullet, \square^*, \blacktriangle)$ | | $(\blacktriangle) = f(\bullet, \blacksquare, \square)$ |
| $(\circ) = f(\bullet, \square^*, \blacksquare)$ | | $(\blacktriangle) = f(\bullet, \blacksquare, \square)$ |
| $(\circ) = f(\bullet, \square^*, \bullet)$ | | $(\blacktriangle) = f(\bullet, \square^*, \circ)$ |
| $(\circ) = f(\bullet, \bullet, \square^*)$ | | $(\blacktriangle) = f(\bullet, \circ, \square^*)$ |
| $(\circ) = f(\bullet, \square^*, \bullet)$ | | $(\blacktriangle) = f(\bullet, \square, \blacksquare)$ |
| $(\circ) = f(\bullet, \bullet, \square^*)$ | | $(\blacktriangle) = f(\bullet, \blacksquare, \square)$ |

7.

| | | | |
|--|--|--|---|
| \circ | \blacksquare | \blacktriangle | \sqcup |
| ↓ | ↓ | ↓ | ↓ |
| ⏟ | ⏟ | ⏟ | ⏟ |
| $(\circ) = f(\sqcap, \Delta, \square)$ | $(\blacksquare) = f(\sqcup, \blacktriangle, \circ)$ | $(\blacktriangle) = f(\sqcup, \square, \circ)$ | $(\sqcup) = f(\Delta, \square, \circ)$ |
| $(\circ) = f(\sqcap, \square, \Delta)$ | $(\blacksquare) = f(\sqcup, \blacktriangle, \bullet)$ | $(\blacktriangle) = f(\sqcup, \blacksquare, \circ)$ | $(\sqcup) = f(\Delta, \circ, \square)$ |
| $(\circ) = f(\sqcup, \Delta, \square)$ | $(\blacksquare) = f(\sqcup, \circ, \blacktriangle)$ | $(\blacktriangle) = f(\sqcup, \blacksquare, \bullet)$ | $(\sqcup) = f(\blacktriangle, \square, \circ)$ |
| $(\circ) = f(\sqcup, \blacktriangle, \square)$ | $(\blacksquare) = f(\sqcup, \bullet, \blacktriangle)$ | $(\blacktriangle) = f(\sqcup, \circ, \square)$ | $(\sqcup) = f(\blacktriangle, \blacksquare, \circ)$ |
| $(\circ) = f(\sqcup, \blacktriangle, \blacksquare)$ | $(\blacksquare) = f(\sqsubset, \blacktriangle, \circ)$ | $(\blacktriangle) = f(\sqcup, \circ, \blacksquare)$ | $(\sqcup) = f(\blacktriangle, \blacksquare, \bullet)$ |
| $(\circ) = f(\sqcup, \square, \Delta)$ | $(\blacksquare) = f(\sqsubset, \blacktriangle, \bullet)$ | $(\blacktriangle) = f(\sqcup, \bullet, \blacksquare)$ | $(\sqcup) = f(\blacktriangle, \circ, \square)$ |
| $(\circ) = f(\sqcup, \square, \blacktriangle)$ | $(\blacksquare) = f(\sqsubset, \blacktriangle, \circ)$ | $(\blacktriangle) = f(\sqsubset, \square, \circ)$ | $(\sqcup) = f(\blacktriangle, \circ, \blacksquare)$ |
| $(\circ) = f(\sqcup, \blacksquare, \Delta)$ | $(\blacksquare) = f(\sqsubset, \blacktriangle, \bullet)$ | $(\blacktriangle) = f(\sqsubset, \blacksquare, \circ)$ | $(\sqcup) = f(\blacktriangle, \bullet, \blacksquare)$ |
| $(\circ) = f(\sqsubset, \Delta, \square)$ | $(\blacksquare) = f(\sqsubset, \circ, \blacktriangle)$ | $(\blacktriangle) = f(\sqsubset, \blacksquare, \bullet)$ | $(\sqcup) = f(\square, \Delta, \circ)$ |
| $(\circ) = f(\sqsubset, \Delta, \square)$ | $(\blacksquare) = f(\sqsubset, \circ, \blacktriangle)$ | $(\blacktriangle) = f(\sqsubset, \circ, \square)$ | $(\sqcup) = f(\square, \blacktriangle, \circ)$ |
| $(\circ) = f(\sqsubset, \Delta, \blacksquare)$ | $(\blacksquare) = f(\sqsubset, \bullet, \blacktriangle)$ | $(\blacktriangle) = f(\sqsubset, \circ, \blacksquare)$ | $(\sqcup) = f(\square, \circ, \Delta)$ |
| $(\circ) = f(\sqsubset, \blacktriangle, \square)$ | $(\blacksquare) = f(\sqsubset, \bullet, \blacktriangle)$ | $(\blacktriangle) = f(\sqsubset, \bullet, \blacksquare)$ | $(\sqcup) = f(\square, \circ, \blacktriangle)$ |
| $(\circ) = f(\sqsubset, \blacktriangle, \blacksquare)$ | $(\blacksquare) = f(\blacktriangle, \sqcup, \circ)$ | $(\blacktriangle) = f(\sqcap^*, \Delta, \blacktriangle)$ | $(\sqcup) = f(\blacksquare, \blacktriangle, \circ)$ |
| $(\circ) = f(\sqsubset, \blacktriangle, \blacksquare)$ | $(\blacksquare) = f(\blacktriangle, \sqcup, \bullet)$ | $(\blacktriangle) = f(\sqcap^*, \blacktriangle, \Delta)$ | $(\sqcup) = f(\blacksquare, \blacktriangle, \bullet)$ |
| $(\circ) = f(\sqsubset, \square, \Delta)$ | $(\blacksquare) = f(\blacktriangle, \square, \circ)$ | $(\blacktriangle) = f(\Delta, \sqcap^*, \blacktriangle)$ | $(\sqcup) = f(\blacksquare, \circ, \blacktriangle)$ |
| $(\circ) = f(\sqsubset, \square, \blacktriangle)$ | $(\blacksquare) = f(\blacktriangle, \square, \bullet)$ | $(\blacktriangle) = f(\Delta, \blacktriangle, \sqcap^*)$ | $(\sqcup) = f(2-2, \bullet, \blacktriangle)$ |
| $(\circ) = f(\sqsubset, \square, \blacksquare)$ | $(\blacksquare) = f(\blacktriangle, \circ, \sqcup)$ | $(\blacktriangle) = f(\Delta, \blacktriangle, \sqcup^*)$ | $(\sqcup) = f(\circ, \Delta, \square)$ |
| $(\circ) = f(\sqsubset, \blacksquare, \Delta)$ | $(\blacksquare) = f(\blacktriangle, \circ, \square)$ | $(\blacktriangle) = f(\Delta, \blacktriangle, \square^*)$ | $(\sqcup) = f(\circ, \blacktriangle, \square)$ |
| $(\circ) = f(\sqsubset, \blacksquare, \blacktriangle)$ | $(\blacksquare) = f(\blacktriangle, \bullet, \sqcup)$ | $(\blacktriangle) = f(\Delta, \sqcup^*, \blacktriangle)$ | $(\sqcup) = f(\circ, \blacktriangle, \blacksquare)$ |
| $(\circ) = f(\sqsubset, \blacksquare, \blacksquare)$ | $(\blacksquare) = f(\blacktriangle, \bullet, \square)$ | $(\blacktriangle) = f(\Delta, \square^*, \blacktriangle)$ | $(\sqcup) = f(\circ, \square, \Delta)$ |
| $(\circ) = f(\Delta, \sqcap, \square)$ | $(\blacksquare) = f(\blacktriangle, \square, \circ)$ | $(\blacktriangle) = f(\blacktriangle, \sqcap^*, \Delta)$ | $(\sqcup) = f(\circ, \square, \blacktriangle)$ |
| $(\circ) = f(\Delta, \sqcup, \square)$ | $(\blacksquare) = f(\blacktriangle, \square, \bullet)$ | $(\blacktriangle) = f(\blacktriangle, \Delta, \sqcap^*)$ | $(\sqcup) = f(\circ, \blacksquare, \blacktriangle)$ |
| $(\circ) = f(\Delta, \square, \square)$ | $(\blacksquare) = f(\blacktriangle, \sqcup^*, \square)$ | $(\blacktriangle) = f(\blacktriangle, \Delta, \sqcup^*)$ | $(\sqcup) = f(\bullet, \blacktriangle, \blacksquare)$ |
| $(\circ) = f(\Delta, \square, \sqcap)$ | $(\blacksquare) = f(\blacktriangle, \square, \sqcup^*)$ | $(\blacktriangle) = f(\blacktriangle, \Delta, \square^*)$ | $(\sqcup) = f(\bullet, \blacksquare, \Delta)$ |
| $(\circ) = f(\Delta, \square, \sqcup)$ | $(\blacksquare) = f(\blacktriangle, \square, \square^*)$ | $(\blacktriangle) = f(\blacktriangle, \sqcup^*, \Delta)$ | |
| $(\circ) = f(\Delta, \square, \square)$ | $(\blacksquare) = f(\blacktriangle, \square^*, \square)$ | $(\blacktriangle) = f(\blacktriangle, \square, \sqcup^*)$ | |
| $(\circ) = f(\Delta, \sqcup, \square)$ | $(\blacksquare) = f(\blacktriangle, \square^*, \circ)$ | $(\blacktriangle) = f(\blacktriangle, \square^*, \Delta)$ | |
| $(\circ) = f(\Delta, \sqcup, \blacksquare)$ | $(\blacksquare) = f(\blacktriangle, \circ, \square)$ | $(\blacktriangle) = f(\blacktriangle, \square^*, \square)$ | |
| $(\circ) = f(\Delta, \square, \square)$ | $(\blacksquare) = f(\blacktriangle, \circ, \square^*)$ | $(\blacktriangle) = f(\blacktriangle, \square^*, \circ)$ | |
| $(\circ) = f(\Delta, \square, \blacksquare)$ | $(\blacksquare) = f(\blacktriangle, \bullet, \square)$ | $(\blacktriangle) = f(\blacktriangle, \circ, \square^*)$ | |
| $(\circ) = f(\Delta, \blacktriangle, \square^*)$ | $(\blacksquare) = f(\sqcup^*, \blacktriangle, \square)$ | $(\blacktriangle) = f(\sqcup^*, \blacktriangle, \square)$ | |
| $(\circ) = f(\Delta, \square, \sqcup)$ | $(\blacksquare) = f(\sqcup^*, \square, \blacktriangle)$ | $(\blacktriangle) = f(\sqcup^*, \blacktriangle, \Delta)$ | |
| $(\circ) = f(\Delta, \square, \square)$ | $(\blacksquare) = f(\sqcup^*, \square, \blacksquare)$ | $(\blacktriangle) = f(\sqcup^*, \square, \blacktriangle)$ | |
| $(\circ) = f(\Delta, \blacksquare, \sqcup)$ | $(\blacksquare) = f(\sqcup^*, \blacksquare, \square)$ | $(\blacktriangle) = f(\square, \sqcup, \circ)$ | |
| $(\circ) = f(\Delta, \blacksquare, \square)$ | $(\blacksquare) = f(\square, \blacktriangle, \sqcup^*)$ | $(\blacktriangle) = f(\square, \square, \circ)$ | |
| $(\circ) = f(\Delta, \square^*, \blacktriangle)$ | $(\blacksquare) = f(\square, \blacktriangle, \square^*)$ | $(\blacktriangle) = f(\square, \blacktriangle, \sqcup^*)$ | |
| $(\circ) = f(\blacktriangle, \square, \square)$ | $(\blacksquare) = f(\square, \sqcup^*, \blacktriangle)$ | $(\blacktriangle) = f(\square, \blacktriangle, \square^*)$ | |

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| (○) = f(▲, □, ◻) | (◻) = f(□, ⊥*, ■) | (▲) = f(□, ⊥*, ▲) |
| (○) = f(▲, □, ■) | (◻) = f(□, ■, ⊥*) | (▲) = f(□, □*, ▲) |
| (○) = f(▲, ▲, □*) | (◻) = f(□, ■, □*) | (▲) = f(□, ○, ⊥) |
| (○) = f(▲, □, □) | (◻) = f(□, □*, ▲) | (▲) = f(□, ○, □) |
| (○) = f(▲, ◻, □) | (◻) = f(□, □*, ■) | (▲) = f(◻, ⊥, ○) |
| (○) = f(▲, ◻, □*) | (◻) = f(■, ⊥*, □) | (▲) = f(◻, ⊥, ●) |
| (○) = f(▲, ■, □) | (◻) = f(■, □, ⊥*) | (▲) = f(◻, □, ○) |
| (○) = f(▲, □*, ▲) | (◻) = f(■, □, □*) | (▲) = f(◻, □, ●) |
| (○) = f(▲, □*, ◻) | (◻) = f(■, □*, □) | (▲) = f(◻, ○, ⊥) |
| (○) = f(▲, □*, ●) | (◻) = f(■, □*, ○) | (▲) = f(◻, ○, □) |
| (○) = f(▲, ●, □*) | (◻) = f(■, ○, □*) | (▲) = f(◻, ●, ⊥) |
| (○) = f(□, ⊔, △) | (◻) = f(□*, ▲, □) | (▲) = f(◻, ●, □) |
| (○) = f(□, ⊥, △) | (◻) = f(□*, ▲, ○) | (▲) = f(□*, △, ▲) |
| (○) = f(□, ⊥, ▲) | (◻) = f(□*, □, ▲) | (▲) = f(□*, ▲, △) |
| (○) = f(□, □, △) | (◻) = f(□*, □, ■) | (▲) = f(□*, ▲, □) |
| (○) = f(□, □, ▲) | (◻) = f(□*, ■, □) | (▲) = f(□*, ▲, ○) |
| (○) = f(□, □, ▲) | (◻) = f(□*, ■, ○) | (▲) = f(□*, □, ▲) |
| (○) = f(□, △, ⊔) | (◻) = f(□*, ○, ▲) | (▲) = f(□*, ○, ▲) |
| (○) = f(□, △, ⊥) | (◻) = f(□*, ○, ■) | (▲) = f(○, ⊥, □) |
| (○) = f(□, ▲, ⊥) | (◻) = f(○, ⊥, ▲) | (▲) = f(○, ⊥, ◻) |
| (○) = f(□, ▲, ⊥) | (◻) = f(○, □, ▲) | (▲) = f(○, □, □) |
| (○) = f(□, ▲, □) | (◻) = f(○, □, ▲) | (▲) = f(○, □, ◻) |
| (○) = f(□, ▲, □) | (◻) = f(○, ▲, ⊥) | (▲) = f(○, ▲, □*) |
| (○) = f(◻, ⊥, ▲) | (◻) = f(○, ▲, □) | (▲) = f(○, □, ⊥) |
| (○) = f(◻, □, ▲) | (◻) = f(○, ▲, □*) | (▲) = f(○, ◻, ⊥) |
| (○) = f(◻, ▲, ⊥) | (◻) = f(○, ■, □*) | (▲) = f(○, ◻, □) |
| (○) = f(◻, ▲, □) | (◻) = f(○, □*, ▲) | (▲) = f(○, □*, ▲) |
| (○) = f(◻, ▲, □) | (◻) = f(○, □*, ■) | (▲) = f(●, ⊥, ◻) |
| (○) = f(◻, ▲, □*) | (◻) = f(●, ⊥, ▲) | (▲) = f(●, □, ◻) |
| (○) = f(◻, ■, □*) | (◻) = f(●, □, ▲) | (▲) = f(●, ◻, ⊥) |
| (○) = f(◻, □*, ▲) | (◻) = f(●, □, ▲) | (▲) = f(●, ◻, □) |
| (○) = f(◻, □*, ■) | (◻) = f(●, ▲, ⊥) | |
| (○) = f(■, □, ▲) | (◻) = f(●, ▲, □) | |
| (○) = f(■, ▲, □) | (◻) = f(●, ▲, □) | |
| (○) = f(■, ◻, □*) | | |
| (○) = f(■, □*, ◻) | | |
| (○) = f(■, □*, ●) | | |
| (○) = f(■, ●, □*) | | |
| (○) = f(□*, ▲, ▲) | | |
| (○) = f(□*, ▲, ▲) | | |
| (○) = f(□*, ▲, ◻) | | |

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| (○) = f(□, ■, ▲) | (□) = f(▲, ●, □) | (▲) = f(△, □*, ▲) | (□) = f(▲, ●, ■) |
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| | $(\blacktriangle) = f(\blacksquare, \square^*, \square)$ | $(\square) = f(\circ, \blacktriangle, \blacksquare)$ |
| | $(\blacktriangle) = f(\blacksquare, \square^*, \circ)$ | $(\square) = f(\circ, \blacksquare, \blacktriangle)$ |
| | $(\blacktriangle) = f(\blacksquare, \circ, \square)$ | $(\square) = f(\circ, \blacksquare, \blacktriangle)$ |
| | $(\blacktriangle) = f(\blacksquare, \circ, \square^*)$ | $(\square) = f(\circ, \blacksquare, \blacktriangle)$ |
| | $(\blacktriangle) = f(\blacksquare, \bullet, \square)$ | $(\square) = f(\bullet, \blacktriangle, \blacksquare)$ |
| | $(\blacktriangle) = f(\blacksquare, \square, \circ)$ | $(\square) = f(\bullet, \blacksquare, \blacktriangle)$ |
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| | $(\blacktriangle) = f(\square^*, \triangle, \blacktriangle)$ | |
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- (▲) = f(○, ▲, □*)
- (▲) = f(○, □, □)
- (▲) = f(○, ■, □)
- (▲) = f(○, ■, □*)
- (▲) = f(○, ■, □)
- (▲) = f(○, □*, ▲)
- (▲) = f(○, □*, ■)
- (▲) = f(○, □*, ●)
- (▲) = f(○, ●, □*)
- (▲) = f(●, □, ■)
- (▲) = f(●, □, ■)
- (▲) = f(●, ■, □)
- (▲) = f(●, ■, □)
- (▲) = f(●, □*, ○)
- (▲) = f(●, ○, □*)
- (▲) = f(●, □, ■)
- (▲) = f(●, ■, □)

Man kann sich leicht vorstellen, welche astronomische semiotische Komplexität entsteht, wenn nur schon zwei der fünfzehn polykontexturalen Repräsentationssysteme miteinander in Verbindung gesetzt werden. Ein vergleichsweise simples Beispiel findet man im 2. Teil von Toth (2008b, S. 143 ff.). Angesichts der enormen Komplexität dieser kleinen Ausschnitte aus dem "semiotic web", das natürlich durch jede kommunikative, kreative und repräsentative Handlung in einem Teil ihres Netzes aktiviert wird, wird man an Kafkas Diktum erinnert, dass man eigentlich tot zusammenbrechen müsste, würde man nur imstande sein, die ganze auf einen einströmende Information zu apperzipieren, sobald man nur einen Schritt vor seine Haustüre setzt.

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