

Prof. Dr. Alfred Toth

Paarweise Kombinationen von Paaren von Subzeichenzahlen

1. In Toth (2019a) hatten wir argumentiert, daß die Definition der drittheitlichen Trichotomie überflüssig und zudem inkonsistent ist, weil sie erstens die logische Subjektposition repräsentiert, aber von Peirce, Bense und Walther (1979) topologisch und logisch definiert wird. Zweitens weil der Zusammenhang von Zeichen ein Problem einer Zeichensyntax ist, aber keine Eigenschaft des Zeichens selbst (vgl. Klaus 1962). Bense selbst hatte das Zeichen wiederholt rein mathematisch definiert, so etwa kategorietheoretisch in (1979, S. 53 u. 67) oder zahlentheoretisch in (1981, S. 17 ff.). Drittens lassen sich die ersten zwei Trichotomien durch

$$(x.1): \quad Z = f(\Omega)$$

$$(x.2): \quad Z = f(\omega, t)$$

$$(x.3): \quad Z \neq f(\Omega)$$

mit $x \in (1, 2)$ definieren, was jedoch für die dritte Trichotomie nicht möglich ist, da der Zusammenhang von Zeichen keine Funktion des Objektes, sondern eine solche einer Menge von Zeichen ist

$$Z = f((Z)).$$

Für den Trivialfall, daß die Menge aus dem Zeichen selbst besteht, gilt dann natürlich

$$Z = f(Z).$$

Es genügt also völlig, von der semiotischen 2×3 -Teilmatrix

| | .1 | .2 | .3 |
|----|-----|-----|-----|
| 1. | 1.1 | 1.2 | 1.3 |
| 2. | 2.1 | 2.2 | 2.3 |

auszugehen und jedes Subzeichen der Form

$$S = (x.y)$$

mit $x \in (1, 2)$ und $y \in (1, 2, 3)$

durch

$$(x.1) = f(\Omega)$$

$$(x.2) = f(\omega, t)$$

$$(x.3) \neq f(\Omega)$$

zu definieren. Ein offener Konnex kann dann definiert werden durch

$$(x.y),$$

ein abgeschlossener Konnex durch

$$(x.y] \text{ oder } [x.y)$$

und ein vollständiger Konnex durch

$$[x.y].$$

Bei den dicentischen Konnexen ergibt sich also eine systematische Doppeldeutigkeit. Da ferner der Interpretantenbezug in den semiotischen Relationen syntaktisch und nicht mehr kategorial angegeben wird, fällt auch die ad hoc-Bestimmung, daß ein Zeichen zwar durch $P = (1, 2, 3)$, eine Zeichenklasse aber in der konversen Ordnung $ZKl = (3, 2, 1)$ als Folge der „pragmatischen“ Maxime von Peirce definiert wird, weg. Wir müssen also die $27 + 9 = 36$ semiotischen Relationen, die über einer 2×3 -Matrix generierbar sind, in den folgenden Normalformen angeben (vgl. Toth 2019b-d). Dadurch erhält man also eine vollständige syntaktische Semiotik, d.h. eine dyadisch-trichotomische Semiotik, deren Interpretantenkonnexe auf syntaktischem Wege ausgedrückt werden.

| | | | |
|------------|------------|------------|------------|
| (1.1, 2.1) | (1.1, 2.1] | [1.1, 2.1) | [2.1, 1.1] |
| (1.1, 2.2) | (1.1, 2.2] | [1.1, 2.2) | [2.1, 1.2] |
| (1.1, 2.3) | (1.1, 2.3] | [1.1, 2.3) | [2.1, 1.3] |
| (1.2, 2.1) | (1.2, 2.1] | [1.2, 2.1) | [2.2, 1.1] |
| (1.2, 2.2) | (1.2, 2.2] | [1.2, 2.2) | [2.2, 1.2] |
| (1.2, 2.3) | (1.2, 2.3] | [1.2, 2.3) | [2.2, 1.3] |
| (1.3, 2.1) | (1.3, 2.1] | [1.3, 2.1) | [2.3, 1.1] |

| | | | |
|------------|------------|------------|------------|
| (1.3, 2.2) | (1.3, 2.2] | [1.3, 2.2) | [2.3, 1.2] |
| (1.3, 2.3) | (1.3, 2.3] | [1.3, 2.3) | [2.3, 1.3] |

Insgesamt gibt es also $36 \text{ mal } 36 = 1296$ paarweise Kombinationen von Paaren von Subzeichenzahlen, die wir im folgenden als Ausgangsbasis für die in der semiotischen Kommunikationstheorie sowie in der semiotischen Kreationstheorie benutzten Tripel vollständig auflisten.

2. Offene Zeichenkonnexe

2.1. Kombinationen mit (1.1, 2.1)

((1.1, 2.1), (1.1, 2.1))

((1.1, 2.1), (1.1, 2.2))

((1.1, 2.1), (1.1, 2.3))

((1.1, 2.1), (1.2, 2.1))

((1.1, 2.1), (1.2, 2.2))

((1.1, 2.1), (1.2, 2.3))

((1.1, 2.1), (1.3, 2.1))

((1.1, 2.1), (1.3, 2.2))

((1.1, 2.1), (1.3, 2.3))

((1.1, 2.1), (1.1, 2.1])

((1.1, 2.1), (1.1, 2.2])

((1.1, 2.1), (1.1, 2.3])

((1.1, 2.1), (1.2, 2.1])

((1.1, 2.1), (1.2, 2.2])

((1.1, 2.1), (1.2, 2.3])

((1.1, 2.1), (1.3, 2.1])

((1.1, 2.1), (1.3, 2.2])

$((1.1, 2.1), (1.3, 2.3])$

$((1.1, 2.1), [1.1, 2.1))$

$((1.1, 2.1), [1.1, 2.2))$

$((1.1, 2.1), [1.1, 2.3))$

$((1.1, 2.1), [1.2, 2.1))$

$((1.1, 2.1), [1.2, 2.2))$

$((1.1, 2.1), [1.2, 2.3))$

$((1.1, 2.1), [1.3, 2.1))$

$((1.1, 2.1), [1.3, 2.2))$

$((1.1, 2.1), [1.3, 2.3))$

$((1.1, 2.1), [1.1, 2.1])$

$((1.1, 2.1), [1.1, 2.2])$

$((1.1, 2.1), [1.1, 2.3])$

$((1.1, 2.1), [1.2, 2.1])$

$((1.1, 2.1), [1.2, 2.2])$

$((1.1, 2.1), [1.2, 2.3])$

$((1.1, 2.1), [1.3, 2.1])$

$((1.1, 2.1), [1.3, 2.2])$

$((1.1, 2.1), [1.3, 2.3])$

2.2. Kombinationen mit (1.1, 2.2)

$((1.1, 2.2), (1.1, 2.1))$

$((1.1, 2.2), (1.1, 2.2))$

$((1.1, 2.2), (1.1, 2.3))$

$((1.1, 2.2), (1.2, 2.1))$

$((1.1, 2.2), (1.2, 2.2))$

$((1.1, 2.2), (1.2, 2.3))$

$((1.1, 2.2), (1.3, 2.1))$

$((1.1, 2.2), (1.3, 2.2))$

$((1.1, 2.2), (1.3, 2.3))$

$((1.1, 2.2), (1.1, 2.1])$

$((1.1, 2.2), (1.1, 2.2])$

$((1.1, 2.2), (1.1, 2.3])$

$((1.1, 2.2), (1.2, 2.1])$

$((1.1, 2.2), (1.2, 2.2])$

$((1.1, 2.2), (1.2, 2.3])$

$((1.1, 2.2), (1.3, 2.1])$

$((1.1, 2.2), (1.3, 2.2])$

$((1.1, 2.2), (1.3, 2.3])$

$((1.1, 2.2), [1.1, 2.1))$

$((1.1, 2.2), [1.1, 2.2))$

$((1.1, 2.2), [1.1, 2.3))$

$((1.1, 2.2), [1.2, 2.1))$

$((1.1, 2.2), [1.2, 2.2])$

$((1.1, 2.2), [1.2, 2.3])$

$((1.1, 2.2), [1.3, 2.1])$

$((1.1, 2.2), [1.3, 2.2])$

$((1.1, 2.2), [1.3, 2.3])$

$((1.1, 2.2), [1.1, 2.1])$

$((1.1, 2.2), [1.1, 2.2])$

$((1.1, 2.2), [1.1, 2.3])$

$((1.1, 2.2), [1.2, 2.1])$

$((1.1, 2.2), [1.2, 2.2])$

$((1.1, 2.2), [1.2, 2.3])$

$((1.1, 2.2), [1.3, 2.1])$

$((1.1, 2.2), [1.3, 2.2])$

$((1.1, 2.2), [1.3, 2.3])$

2.3. Kombinationen mit (1.1, 2.3)

$((1.1, 2.3), (1.1, 2.1))$

$((1.1, 2.3), (1.1, 2.2))$

$((1.1, 2.3), (1.1, 2.3))$

$((1.1, 2.3), (1.2, 2.1))$

$((1.1, 2.3), (1.2, 2.2))$

$((1.1, 2.3), (1.2, 2.3))$

$((1.1, 2.3), (1.3, 2.1))$

$((1.1, 2.3), (1.3, 2.2))$

$((1.1, 2.3), (1.3, 2.3))$

$((1.1, 2.3), (1.1, 2.1])$

$((1.1, 2.3), (1.1, 2.2])$

$((1.1, 2.3), (1.1, 2.3])$

$((1.1, 2.3), (1.2, 2.1])$

$((1.1, 2.3), (1.2, 2.2])$

$((1.1, 2.3), (1.2, 2.3])$

$((1.1, 2.3), (1.3, 2.1])$

$((1.1, 2.3), (1.3, 2.2])$

$((1.1, 2.3), (1.3, 2.3])$

$((1.1, 2.3), [1.1, 2.1))$

$((1.1, 2.3), [1.1, 2.2))$

$((1.1, 2.3), [1.1, 2.3))$

$((1.1, 2.3), [1.2, 2.1))$

$((1.1, 2.3), [1.2, 2.2])$

$((1.1, 2.3), [1.2, 2.3])$

$((1.1, 2.3), [1.3, 2.1])$

$((1.1, 2.3), [1.3, 2.2])$

$((1.1, 2.3), [1.3, 2.3])$

$((1.1, 2.3), [1.1, 2.1])$

$((1.1, 2.3), [1.1, 2.2])$

$((1.1, 2.3), [1.1, 2.3])$

$((1.1, 2.3), [1.2, 2.1])$

$((1.1, 2.3), [1.2, 2.2])$

$((1.1, 2.3), [1.2, 2.3])$

$((1.1, 2.3), [1.3, 2.1])$

$((1.1, 2.3), [1.3, 2.2])$

$((1.1, 2.3), [1.3, 2.3])$

2.4. Kombinationen mit (1.2, 2.1)

$((1.2, 2.1), (1.1, 2.1))$

$((1.2, 2.1), (1.1, 2.2))$

$((1.2, 2.1), (1.1, 2.3))$

$((1.2, 2.1), (1.2, 2.1))$

$((1.2, 2.1), (1.2, 2.2))$

$((1.2, 2.1), (1.2, 2.3))$

$((1.2, 2.1), (1.3, 2.1))$

$((1.2, 2.1), (1.3, 2.2))$

$((1.2, 2.1), (1.3, 2.3))$

$((1.2, 2.1), (1.1, 2.1])$

$((1.2, 2.1), (1.1, 2.2])$

$((1.2, 2.1), (1.1, 2.3])$

$((1.2, 2.1), (1.2, 2.1])$

$((1.2, 2.1), (1.2, 2.2])$

$((1.2, 2.1), (1.2, 2.3])$

$((1.2, 2.1), (1.3, 2.1])$

$((1.2, 2.1), (1.3, 2.2])$

$((1.2, 2.1), (1.3, 2.3])$

$((1.2, 2.1), [1.1, 2.1))$

$((1.2, 2.1), [1.1, 2.2))$

$((1.2, 2.1), [1.1, 2.3))$

$((1.2, 2.1), [1.2, 2.1))$

$((1.2, 2.1), [1.2, 2.2])$

$((1.2, 2.1), [1.2, 2.3])$

$((1.2, 2.1), [1.3, 2.1])$

$((1.2, 2.1), [1.3, 2.2])$

$((1.2, 2.1), [1.3, 2.3])$

$((1.2, 2.1), [1.1, 2.1])$

$((1.2, 2.1), [1.1, 2.2])$

$((1.2, 2.1), [1.1, 2.3])$

$((1.2, 2.1), [1.2, 2.1])$

$((1.2, 2.1), [1.2, 2.2])$

$((1.2, 2.1), [1.2, 2.3])$

$((1.2, 2.1), [1.3, 2.1])$

$((1.2, 2.1), [1.3, 2.2])$

$((1.2, 2.1), [1.3, 2.3])$

2.5. Kombinationen mit (1.2, 2.2)

$((1.2, 2.2), (1.1, 2.1))$

$((1.2, 2.2), (1.1, 2.2))$

$((1.2, 2.2), (1.1, 2.3))$

$((1.2, 2.2), (1.2, 2.1))$

$((1.2, 2.2), (1.2, 2.2))$

$((1.2, 2.2), (1.2, 2.3))$

$((1.2, 2.2), (1.3, 2.1))$

$((1.2, 2.2), (1.3, 2.2))$

$((1.2, 2.2), (1.3, 2.3))$

$((1.2, 2.2), (1.1, 2.1])$

$((1.2, 2.2), (1.1, 2.2])$

$((1.2, 2.2), (1.1, 2.3])$

$((1.2, 2.2), (1.2, 2.1])$

$((1.2, 2.2), (1.2, 2.2])$

$((1.2, 2.2), (1.2, 2.3])$

$((1.2, 2.2), (1.3, 2.1])$

$((1.2, 2.2), (1.3, 2.2])$

$((1.2, 2.2), (1.3, 2.3])$

$((1.2, 2.2), [1.1, 2.1))$

$((1.2, 2.2), [1.1, 2.2))$

$((1.2, 2.2), [1.1, 2.3))$

$((1.2, 2.2), [1.2, 2.1))$

$((1.2, 2.2), [1.2, 2.2])$

$((1.2, 2.2), [1.2, 2.3])$

$((1.2, 2.2), [1.3, 2.1])$

$((1.2, 2.2), [1.3, 2.2])$

$((1.2, 2.2), [1.3, 2.3])$

$((1.2, 2.2), [1.1, 2.1])$

$((1.2, 2.2), [1.1, 2.2])$

$((1.2, 2.2), [1.1, 2.3])$

$((1.2, 2.2), [1.2, 2.1])$

$((1.2, 2.2), [1.2, 2.2])$

$((1.2, 2.2), [1.2, 2.3])$

$((1.2, 2.2), [1.3, 2.1])$

$((1.2, 2.2), [1.3, 2.2])$

$((1.2, 2.2), [1.3, 2.3])$

2.6. Kombinationen mit (1.2, 2.3)

$((1.2, 2.3), (1.1, 2.1))$

$((1.2, 2.3), (1.1, 2.2))$

$((1.2, 2.3), (1.1, 2.3))$

$((1.2, 2.3), (1.2, 2.1))$

$((1.2, 2.3), (1.2, 2.2))$

$((1.2, 2.3), (1.2, 2.3))$

$((1.2, 2.3), (1.3, 2.1))$

$((1.2, 2.3), (1.3, 2.2))$

$((1.2, 2.3), (1.3, 2.3))$

$((1.2, 2.3), (1.1, 2.1])$

$((1.2, 2.3), (1.1, 2.2])$

$((1.2, 2.3), (1.1, 2.3])$

$((1.2, 2.3), (1.2, 2.1])$

$((1.2, 2.3), (1.2, 2.2])$

$((1.2, 2.3), (1.2, 2.3])$

$((1.2, 2.3), (1.3, 2.1])$

$((1.2, 2.3), (1.3, 2.2])$

$((1.2, 2.3), (1.3, 2.3])$

$((1.2, 2.3), [1.1, 2.1))$

$((1.2, 2.3), [1.1, 2.2))$

$((1.2, 2.3), [1.1, 2.3))$

$((1.2, 2.3), [1.2, 2.1))$

$((1.2, 2.3), [1.2, 2.2])$

$((1.2, 2.3), [1.2, 2.3])$

$((1.2, 2.3), [1.3, 2.1])$

$((1.2, 2.3), [1.3, 2.2])$

$((1.2, 2.3), [1.3, 2.3])$

$((1.2, 2.3), [1.1, 2.1])$

$((1.2, 2.3), [1.1, 2.2])$

$((1.2, 2.3), [1.1, 2.3])$

$((1.2, 2.3), [1.2, 2.1])$

$((1.2, 2.3), [1.2, 2.2])$

$((1.2, 2.3), [1.2, 2.3])$

$((1.2, 2.3), [1.3, 2.1])$

$((1.2, 2.3), [1.3, 2.2])$

$((1.2, 2.3), [1.3, 2.3])$

2.7. Kombinationen mit (1.3, 2.1)

$((1.3, 2.1), (1.1, 2.1))$

$((1.3, 2.1), (1.1, 2.2))$

$((1.3, 2.1), (1.1, 2.3))$

$((1.3, 2.1), (1.2, 2.1))$

$((1.3, 2.1), (1.2, 2.2))$

$((1.3, 2.1), (1.2, 2.3))$

$((1.3, 2.1), (1.3, 2.1))$

$((1.3, 2.1), (1.3, 2.2))$

$((1.3, 2.1), (1.3, 2.3))$

$((1.3, 2.1), (1.1, 2.1])$

$((1.3, 2.1), (1.1, 2.2])$

$((1.3, 2.1), (1.1, 2.3])$

$((1.3, 2.1), (1.2, 2.1])$

$((1.3, 2.1), (1.2, 2.2])$

$((1.3, 2.1), (1.2, 2.3])$

$((1.3, 2.1), (1.3, 2.1])$

$((1.3, 2.1), (1.3, 2.2])$

$((1.3, 2.1), (1.3, 2.3])$

$((1.3, 2.1), [1.1, 2.1))$

$((1.3, 2.1), [1.1, 2.2))$

$((1.3, 2.1), [1.1, 2.3))$

$((1.3, 2.1), [1.2, 2.1))$

$((1.3, 2.1), [1.2, 2.2])$

$((1.3, 2.1), [1.2, 2.3])$

$((1.3, 2.1), [1.3, 2.1])$

$((1.3, 2.1), [1.3, 2.2])$

$((1.3, 2.1), [1.3, 2.3])$

$((1.3, 2.1), [1.1, 2.1])$

$((1.3, 2.1), [1.1, 2.2])$

$((1.3, 2.1), [1.1, 2.3])$

$((1.3, 2.1), [1.2, 2.1])$

$((1.3, 2.1), [1.2, 2.2])$

$((1.3, 2.1), [1.2, 2.3])$

$((1.3, 2.1), [1.3, 2.1])$

$((1.3, 2.1), [1.3, 2.2])$

$((1.3, 2.1), [1.3, 2.3])$

2.8. Kombinationen mit (1.3, 2.2)

((1.3, 2.2), (1.1, 2.1))

((1.3, 2.2), (1.1, 2.2))

((1.3, 2.2), (1.1, 2.3))

((1.3, 2.2), (1.2, 2.1))

((1.3, 2.2), (1.2, 2.2))

((1.3, 2.2), (1.2, 2.3))

((1.3, 2.2), (1.3, 2.1))

((1.3, 2.2), (1.3, 2.2))

((1.3, 2.2), (1.3, 2.3))

((1.3, 2.2), (1.1, 2.1])

((1.3, 2.2), (1.1, 2.2])

((1.3, 2.2), (1.1, 2.3])

((1.3, 2.2), (1.2, 2.1])

((1.3, 2.2), (1.2, 2.2])

((1.3, 2.2), (1.2, 2.3])

((1.3, 2.2), (1.3, 2.1])

((1.3, 2.2), (1.3, 2.2])

((1.3, 2.2), (1.3, 2.3])

((1.3, 2.2), [1.1, 2.1))

((1.3, 2.2), [1.1, 2.2))

((1.3, 2.2), [1.1, 2.3))

((1.3, 2.2), [1.2, 2.1))

$((1.3, 2.2), [1.2, 2.2])$

$((1.3, 2.2), [1.2, 2.3])$

$((1.3, 2.2), [1.3, 2.1])$

$((1.3, 2.2), [1.3, 2.2])$

$((1.3, 2.2), [1.3, 2.3])$

$((1.3, 2.2), [1.1, 2.1])$

$((1.3, 2.2), [1.1, 2.2])$

$((1.3, 2.2), [1.1, 2.3])$

$((1.3, 2.2), [1.2, 2.1])$

$((1.3, 2.2), [1.2, 2.2])$

$((1.3, 2.2), [1.2, 2.3])$

$((1.3, 2.2), [1.3, 2.1])$

$((1.3, 2.2), [1.3, 2.2])$

$((1.3, 2.2), [1.3, 2.3])$

2.9. Kombinationen mit (1.3, 2.3)

$((1.3, 2.3), (1.1, 2.1))$

$((1.3, 2.3), (1.1, 2.2))$

$((1.3, 2.3), (1.1, 2.3))$

$((1.3, 2.3), (1.2, 2.1))$

$((1.3, 2.3), (1.2, 2.2))$

$((1.3, 2.3), (1.2, 2.3))$

$((1.3, 2.3), (1.3, 2.1))$

$((1.3, 2.3), (1.3, 2.2))$

$((1.3, 2.3), (1.3, 2.3))$

$((1.3, 2.3), (1.1, 2.1])$

$((1.3, 2.3), (1.1, 2.2])$

$((1.3, 2.3), (1.1, 2.3])$

$((1.3, 2.3), (1.2, 2.1])$

$((1.3, 2.3), (1.2, 2.2])$

$((1.3, 2.3), (1.2, 2.3])$

$((1.3, 2.3), (1.3, 2.1])$

$((1.3, 2.3), (1.3, 2.2])$

$((1.3, 2.3), (1.3, 2.3])$

$((1.3, 2.3), [1.1, 2.1))$

$((1.3, 2.3), [1.1, 2.2))$

$((1.3, 2.3), [1.1, 2.3))$

$((1.3, 2.3), [1.2, 2.1))$

$((1.3, 2.3), [1.2, 2.2])$

$((1.3, 2.3), [1.2, 2.3])$

$((1.3, 2.3), [1.3, 2.1])$

$((1.3, 2.3), [1.3, 2.2])$

$((1.3, 2.3), [1.3, 2.3])$

$((1.3, 2.3), [1.1, 2.1])$

$((1.3, 2.3), [1.1, 2.2])$

$((1.3, 2.3), [1.1, 2.3])$

$((1.3, 2.3), [1.2, 2.1])$

$((1.3, 2.3), [1.2, 2.2])$

$((1.3, 2.3), [1.2, 2.3])$

$((1.3, 2.3), [1.3, 2.1])$

$((1.3, 2.3), [1.3, 2.2])$

$((1.3, 2.3), [1.3, 2.3])$

3. Halboffene (linksoffene) Zeichenkonnexe

3.1. Kombinationen mit $(1.1, 2.1]$

$((1.1, 2.1], (1.1, 2.1))$

$((1.1, 2.1], (1.1, 2.2))$

$((1.1, 2.1], (1.1, 2.3))$

$((1.1, 2.1], (1.2, 2.1))$

$((1.1, 2.1], (1.2, 2.2))$

$((1.1, 2.1], (1.2, 2.3))$

$((1.1, 2.1], (1.3, 2.1))$

$((1.1, 2.1], (1.3, 2.2))$

$((1.1, 2.1], (1.3, 2.3))$

$((1.1, 2.1], (1.1, 2.1])$

$((1.1, 2.1], (1.1, 2.2])$

$((1.1, 2.1], (1.1, 2.3])$

$((1.1, 2.1], (1.2, 2.1])$

$((1.1, 2.1], (1.2, 2.2])$

$((1.1, 2.1], (1.2, 2.3])$

$((1.1, 2.1], (1.3, 2.1])$

$((1.1, 2.1], (1.3, 2.2])$

$((1.1, 2.1], (1.3, 2.3])$

$((1.1, 2.1], [1.1, 2.1))$

$((1.1, 2.1], [1.1, 2.2))$

$((1.1, 2.1], [1.1, 2.3))$

$((1.1, 2.1], [1.2, 2.1))$

$((1.1, 2.1], [1.2, 2.2))$

$((1.1, 2.1], [1.2, 2.3))$

$((1.1, 2.1], [1.3, 2.1))$

$((1.1, 2.1], [1.3, 2.2))$

$((1.1, 2.1], [1.3, 2.3))$

$((1.1, 2.1], [1.1, 2.1])$

$((1.1, 2.1], [1.1, 2.2])$

$((1.1, 2.1], [1.1, 2.3])$

$((1.1, 2.1], [1.2, 2.1])$

$((1.1, 2.1], [1.2, 2.2])$

$((1.1, 2.1], [1.2, 2.3])$

$((1.1, 2.1], [1.3, 2.1])$

$((1.1, 2.1], [1.3, 2.2])$

$((1.1, 2.1], [1.3, 2.3])$

3.2. Kombinationen mit (1.1, 2.2]

((1.1, 2.2], (1.1, 2.1))

((1.1, 2.2], (1.1, 2.2))

((1.1, 2.2], (1.1, 2.3))

((1.1, 2.2], (1.2, 2.1))

((1.1, 2.2], (1.2, 2.2))

((1.1, 2.2], (1.2, 2.3))

((1.1, 2.2], (1.3, 2.1))

((1.1, 2.2], (1.3, 2.2))

((1.1, 2.2], (1.3, 2.3))

((1.1, 2.2], (1.1, 2.1])

((1.1, 2.2], (1.1, 2.2])

((1.1, 2.2], (1.1, 2.3])

((1.1, 2.2], (1.2, 2.1])

((1.1, 2.2], (1.2, 2.2])

((1.1, 2.2], (1.2, 2.3])

((1.1, 2.2], (1.3, 2.1])

((1.1, 2.2], (1.3, 2.2])

((1.1, 2.2], (1.3, 2.3])

((1.1, 2.2], [1.1, 2.1))

((1.1, 2.2], [1.1, 2.2))

((1.1, 2.2], [1.1, 2.3))

((1.1, 2.2], [1.2, 2.1))

$((1.1, 2.2], [1.2, 2.2))$

$((1.1, 2.2], [1.2, 2.3))$

$((1.1, 2.2], [1.3, 2.1))$

$((1.1, 2.2], [1.3, 2.2))$

$((1.1, 2.2], [1.3, 2.3))$

$((1.1, 2.2], [1.1, 2.1])$

$((1.1, 2.2], [1.1, 2.2])$

$((1.1, 2.2], [1.1, 2.3])$

$((1.1, 2.2], [1.2, 2.1])$

$((1.1, 2.2], [1.2, 2.2])$

$((1.1, 2.2], [1.2, 2.3])$

$((1.1, 2.2], [1.3, 2.1])$

$((1.1, 2.2], [1.3, 2.2])$

$((1.1, 2.2], [1.3, 2.3])$

3.3. Kombinationen mit (1.1, 2.3]

((1.1, 2.3], (1.1, 2.1))

((1.1, 2.3], (1.1, 2.2))

((1.1, 2.3], (1.1, 2.3))

((1.1, 2.3], (1.2, 2.1))

((1.1, 2.3], (1.2, 2.2))

((1.1, 2.3], (1.2, 2.3))

((1.1, 2.3], (1.3, 2.1))

((1.1, 2.3], (1.3, 2.2))

((1.1, 2.3], (1.3, 2.3))

((1.1, 2.3], (1.1, 2.1])

((1.1, 2.3], (1.1, 2.2])

((1.1, 2.3], (1.1, 2.3])

((1.1, 2.3], (1.2, 2.1])

((1.1, 2.3], (1.2, 2.2])

((1.1, 2.3], (1.2, 2.3])

((1.1, 2.3], (1.3, 2.1])

((1.1, 2.3], (1.3, 2.2])

((1.1, 2.3], (1.3, 2.3])

((1.1, 2.3], [1.1, 2.1))

((1.1, 2.3], [1.1, 2.2))

((1.1, 2.3], [1.1, 2.3))

((1.1, 2.3], [1.2, 2.1))

$((1.1, 2.3], [1.2, 2.2])$

$((1.1, 2.3], [1.2, 2.3])$

$((1.1, 2.3], [1.3, 2.1])$

$((1.1, 2.3], [1.3, 2.2])$

$((1.1, 2.3], [1.3, 2.3])$

$((1.1, 2.3], [1.1, 2.1])$

$((1.1, 2.3], [1.1, 2.2])$

$((1.1, 2.3], [1.1, 2.3])$

$((1.1, 2.3], [1.2, 2.1])$

$((1.1, 2.3], [1.2, 2.2])$

$((1.1, 2.3], [1.2, 2.3])$

$((1.1, 2.3], [1.3, 2.1])$

$((1.1, 2.3], [1.3, 2.2])$

$((1.1, 2.3], [1.3, 2.3])$

3.4. Kombinationen mit (1.2, 2.1]

((1.2, 2.1], (1.1, 2.1))

((1.2, 2.1], (1.1, 2.2))

((1.2, 2.1], (1.1, 2.3))

((1.2, 2.1], (1.2, 2.1))

((1.2, 2.1], (1.2, 2.2))

((1.2, 2.1], (1.2, 2.3))

((1.2, 2.1], (1.3, 2.1))

((1.2, 2.1], (1.3, 2.2))

((1.2, 2.1], (1.3, 2.3))

((1.2, 2.1], (1.1, 2.1])

((1.2, 2.1], (1.1, 2.2])

((1.2, 2.1], (1.1, 2.3])

((1.2, 2.1], (1.2, 2.1])

((1.2, 2.1], (1.2, 2.2])

((1.2, 2.1], (1.2, 2.3])

((1.2, 2.1], (1.3, 2.1])

((1.2, 2.1], (1.3, 2.2])

((1.2, 2.1], (1.3, 2.3])

((1.2, 2.1], [1.1, 2.1))

((1.2, 2.1], [1.1, 2.2))

((1.2, 2.1], [1.1, 2.3))

((1.2, 2.1], [1.2, 2.1))

$((1.2, 2.1], [1.2, 2.2])$

$((1.2, 2.1], [1.2, 2.3])$

$((1.2, 2.1], [1.3, 2.1])$

$((1.2, 2.1], [1.3, 2.2])$

$((1.2, 2.1], [1.3, 2.3])$

$((1.2, 2.1], [1.1, 2.1])$

$((1.2, 2.1], [1.1, 2.2])$

$((1.2, 2.1], [1.1, 2.3])$

$((1.2, 2.1], [1.2, 2.1])$

$((1.2, 2.1], [1.2, 2.2])$

$((1.2, 2.1], [1.2, 2.3])$

$((1.2, 2.1], [1.3, 2.1])$

$((1.2, 2.1], [1.3, 2.2])$

$((1.2, 2.1], [1.3, 2.3])$

3.5. Kombinationen mit (1.2, 2.2]

((1.2, 2.2], (1.1, 2.1))

((1.2, 2.2], (1.1, 2.2))

((1.2, 2.2], (1.1, 2.3))

((1.2, 2.2], (1.2, 2.1))

((1.2, 2.2], (1.2, 2.2))

((1.2, 2.2], (1.2, 2.3))

((1.2, 2.2], (1.3, 2.1))

((1.2, 2.2], (1.3, 2.2))

((1.2, 2.2], (1.3, 2.3))

((1.2, 2.2], (1.1, 2.1])

((1.2, 2.2], (1.1, 2.2])

((1.2, 2.2], (1.1, 2.3])

((1.2, 2.2], (1.2, 2.1])

((1.2, 2.2], (1.2, 2.2])

((1.2, 2.2], (1.2, 2.3])

((1.2, 2.2], (1.3, 2.1])

((1.2, 2.2], (1.3, 2.2])

((1.2, 2.2], (1.3, 2.3])

((1.2, 2.2], [1.1, 2.1))

((1.2, 2.2], [1.1, 2.2))

((1.2, 2.2], [1.1, 2.3))

((1.2, 2.2], [1.2, 2.1))

$((1.2, 2.2], [1.2, 2.2])$

$((1.2, 2.2], [1.2, 2.3])$

$((1.2, 2.2], [1.3, 2.1])$

$((1.2, 2.2], [1.3, 2.2])$

$((1.2, 2.2], [1.3, 2.3])$

$((1.2, 2.2], [1.1, 2.1])$

$((1.2, 2.2], [1.1, 2.2])$

$((1.2, 2.2], [1.1, 2.3])$

$((1.2, 2.2], [1.2, 2.1])$

$((1.2, 2.2], [1.2, 2.2])$

$((1.2, 2.2], [1.2, 2.3])$

$((1.2, 2.2], [1.3, 2.1])$

$((1.2, 2.2], [1.3, 2.2])$

$((1.2, 2.2], [1.3, 2.3])$

3.6. Kombinationen mit (1.2, 2.3]

((1.2, 2.3], (1.1, 2.1))

((1.2, 2.3], (1.1, 2.2))

((1.2, 2.3], (1.1, 2.3))

((1.2, 2.3], (1.2, 2.1))

((1.2, 2.3], (1.2, 2.2))

((1.2, 2.3], (1.2, 2.3))

((1.2, 2.3], (1.3, 2.1))

((1.2, 2.3], (1.3, 2.2))

((1.2, 2.3], (1.3, 2.3))

((1.2, 2.3], (1.1, 2.1])

((1.2, 2.3], (1.1, 2.2])

((1.2, 2.3], (1.1, 2.3])

((1.2, 2.3], (1.2, 2.1])

((1.2, 2.3], (1.2, 2.2])

((1.2, 2.3], (1.2, 2.3])

((1.2, 2.3], (1.3, 2.1])

((1.2, 2.3], (1.3, 2.2])

((1.2, 2.3], (1.3, 2.3])

((1.2, 2.3], [1.1, 2.1))

((1.2, 2.3], [1.1, 2.2))

((1.2, 2.3], [1.1, 2.3))

((1.2, 2.3], [1.2, 2.1))

$((1.2, 2.3], [1.2, 2.2))$

$((1.2, 2.3], [1.2, 2.3))$

$((1.2, 2.3], [1.3, 2.1))$

$((1.2, 2.3], [1.3, 2.2))$

$((1.2, 2.3], [1.3, 2.3))$

$((1.2, 2.3], [1.1, 2.1])$

$((1.2, 2.3], [1.1, 2.2])$

$((1.2, 2.3], [1.1, 2.3])$

$((1.2, 2.3], [1.2, 2.1])$

$((1.2, 2.3], [1.2, 2.2])$

$((1.2, 2.3], [1.2, 2.3])$

$((1.2, 2.3], [1.3, 2.1])$

$((1.2, 2.3], [1.3, 2.2])$

$((1.2, 2.3], [1.3, 2.3])$

3.7. Kombinationen mit (1.3, 2.1]

((1.3, 2.1], (1.1, 2.1))

((1.3, 2.1], (1.1, 2.2))

((1.3, 2.1], (1.1, 2.3))

((1.3, 2.1], (1.2, 2.1))

((1.3, 2.1], (1.2, 2.2))

((1.3, 2.1], (1.2, 2.3))

((1.3, 2.1], (1.3, 2.1))

((1.3, 2.1], (1.3, 2.2))

((1.3, 2.1], (1.3, 2.3))

((1.3, 2.1], (1.1, 2.1])

((1.3, 2.1], (1.1, 2.2])

((1.3, 2.1], (1.1, 2.3])

((1.3, 2.1], (1.2, 2.1])

((1.3, 2.1], (1.2, 2.2])

((1.3, 2.1], (1.2, 2.3])

((1.3, 2.1], (1.3, 2.1])

((1.3, 2.1], (1.3, 2.2])

((1.3, 2.1], (1.3, 2.3])

((1.3, 2.1], [1.1, 2.1))

((1.3, 2.1], [1.1, 2.2))

((1.3, 2.1], [1.1, 2.3))

((1.3, 2.1], [1.2, 2.1))

$((1.3, 2.1], [1.2, 2.2])$

$((1.3, 2.1], [1.2, 2.3])$

$((1.3, 2.1], [1.3, 2.1])$

$((1.3, 2.1], [1.3, 2.2])$

$((1.3, 2.1], [1.3, 2.3])$

$((1.3, 2.1], [1.1, 2.1])$

$((1.3, 2.1], [1.1, 2.2])$

$((1.3, 2.1], [1.1, 2.3])$

$((1.3, 2.1], [1.2, 2.1])$

$((1.3, 2.1], [1.2, 2.2])$

$((1.3, 2.1], [1.2, 2.3])$

$((1.3, 2.1], [1.3, 2.1])$

$((1.3, 2.1], [1.3, 2.2])$

$((1.3, 2.1], [1.3, 2.3])$

3.8. Kombinationen mit (1.3, 2.2]

((1.3, 2.2], (1.1, 2.1))

((1.3, 2.2], (1.1, 2.2))

((1.3, 2.2], (1.1, 2.3))

((1.3, 2.2], (1.2, 2.1))

((1.3, 2.2], (1.2, 2.2))

((1.3, 2.2], (1.2, 2.3))

((1.3, 2.2], (1.3, 2.1))

((1.3, 2.2], (1.3, 2.2))

((1.3, 2.2], (1.3, 2.3))

((1.3, 2.2], (1.1, 2.1])

((1.3, 2.2], (1.1, 2.2])

((1.3, 2.2], (1.1, 2.3])

((1.3, 2.2], (1.2, 2.1])

((1.3, 2.2], (1.2, 2.2])

((1.3, 2.2], (1.2, 2.3])

((1.3, 2.2], (1.3, 2.1])

((1.3, 2.2], (1.3, 2.2])

((1.3, 2.2], (1.3, 2.3])

((1.3, 2.2], [1.1, 2.1))

((1.3, 2.2], [1.1, 2.2))

((1.3, 2.2], [1.1, 2.3))

((1.3, 2.2], [1.2, 2.1))

$((1.3, 2.2], [1.2, 2.2))$

$((1.3, 2.2], [1.2, 2.3))$

$((1.3, 2.2], [1.3, 2.1))$

$((1.3, 2.2], [1.3, 2.2))$

$((1.3, 2.2], [1.3, 2.3))$

$((1.3, 2.2], [1.1, 2.1])$

$((1.3, 2.2], [1.1, 2.2])$

$((1.3, 2.2], [1.1, 2.3])$

$((1.3, 2.2], [1.2, 2.1])$

$((1.3, 2.2], [1.2, 2.2])$

$((1.3, 2.2], [1.2, 2.3])$

$((1.3, 2.2], [1.3, 2.1])$

$((1.3, 2.2], [1.3, 2.2])$

$((1.3, 2.2], [1.3, 2.3])$

3.9. Kombinationen mit (1.3, 2.3]

$((1.3, 2.3], (1.1, 2.1))$

$((1.3, 2.3], (1.1, 2.2))$

$((1.3, 2.3], (1.1, 2.3))$

$((1.3, 2.3], (1.2, 2.1))$

$((1.3, 2.3], (1.2, 2.2))$

$((1.3, 2.3], (1.2, 2.3))$

$((1.3, 2.3], (1.3, 2.1))$

$((1.3, 2.3], (1.3, 2.2))$

$((1.3, 2.3], (1.3, 2.3))$

$((1.3, 2.3], (1.1, 2.1])$

$((1.3, 2.3], (1.1, 2.2])$

$((1.3, 2.3], (1.1, 2.3])$

$((1.3, 2.3], (1.2, 2.1])$

$((1.3, 2.3], (1.2, 2.2])$

$((1.3, 2.3], (1.2, 2.3])$

$((1.3, 2.3], (1.3, 2.1])$

$((1.3, 2.3], (1.3, 2.2])$

$((1.3, 2.3], (1.3, 2.3])$

$((1.3, 2.3], [1.1, 2.1))$

$((1.3, 2.3], [1.1, 2.2))$

$((1.3, 2.3], [1.1, 2.3))$

$((1.3, 2.3], [1.2, 2.1))$

$((1.3, 2.3], [1.2, 2.2])$

$((1.3, 2.3], [1.2, 2.3])$

$((1.3, 2.3], [1.3, 2.1])$

$((1.3, 2.3], [1.3, 2.2])$

$((1.3, 2.3], [1.3, 2.3])$

$((1.3, 2.3], [1.1, 2.1])$

$((1.3, 2.3], [1.1, 2.2])$

$((1.3, 2.3], [1.1, 2.3])$

$((1.3, 2.3], [1.2, 2.1])$

$((1.3, 2.3], [1.2, 2.2])$

$((1.3, 2.3], [1.2, 2.3])$

$((1.3, 2.3], [1.3, 2.1])$

$((1.3, 2.3], [1.3, 2.2])$

$((1.3, 2.3], [1.3, 2.3])$

4. Halboffene (rechtsoffene) Zeichenkonnexe

4.1. Kombinationen mit $[1.1, 2.1)$

$([1.1, 2.1), (1.1, 2.1))$

$([1.1, 2.1), (1.1, 2.2))$

$([1.1, 2.1), (1.1, 2.3))$

$([1.1, 2.1), (1.2, 2.1))$

$([1.1, 2.1), (1.2, 2.2))$

$([1.1, 2.1), (1.2, 2.3))$

$([1.1, 2.1), (1.3, 2.1))$

$([1.1, 2.1), (1.3, 2.2))$

$([1.1, 2.1), (1.3, 2.3))$

$([1.1, 2.1), (1.1, 2.1])$

$([1.1, 2.1), (1.1, 2.2])$

$([1.1, 2.1), (1.1, 2.3])$

$([1.1, 2.1), (1.2, 2.1])$

$([1.1, 2.1), (1.2, 2.2])$

$([1.1, 2.1), (1.2, 2.3])$

$([1.1, 2.1), (1.3, 2.1])$

$([1.1, 2.1), (1.3, 2.2])$

$([1.1, 2.1), (1.3, 2.3])$

$([1.1, 2.1), [1.1, 2.1))$

$([1.1, 2.1), [1.1, 2.2))$

$([1.1, 2.1), [1.1, 2.3))$

$([1.1, 2.1], [1.2, 2.1])$

$([1.1, 2.1], [1.2, 2.2])$

$([1.1, 2.1], [1.2, 2.3])$

$([1.1, 2.1], [1.3, 2.1])$

$([1.1, 2.1], [1.3, 2.2])$

$([1.1, 2.1], [1.3, 2.3])$

$([1.1, 2.1], [1.1, 2.1])$

$([1.1, 2.1], [1.1, 2.2])$

$([1.1, 2.1], [1.1, 2.3])$

$([1.1, 2.1], [1.2, 2.1])$

$([1.1, 2.1], [1.2, 2.2])$

$([1.1, 2.1], [1.2, 2.3])$

$([1.1, 2.1], [1.3, 2.1])$

$([1.1, 2.1], [1.3, 2.2])$

$([1.1, 2.1], [1.3, 2.3])$

4.2. Kombinationen mit [1.1, 2.2)

([1.1, 2.2), (1.1, 2.1))

([1.1, 2.2), (1.1, 2.2))

([1.1, 2.2), (1.1, 2.3))

([1.1, 2.2), (1.2, 2.1))

([1.1, 2.2), (1.2, 2.2))

([1.1, 2.2), (1.2, 2.3))

([1.1, 2.2), (1.3, 2.1))

([1.1, 2.2), (1.3, 2.2))

([1.1, 2.2), (1.3, 2.3))

([1.1, 2.2), (1.1, 2.1])

([1.1, 2.2), (1.1, 2.2])

([1.1, 2.2), (1.1, 2.3])

([1.1, 2.2), (1.2, 2.1])

([1.1, 2.2), (1.2, 2.2])

([1.1, 2.2), (1.2, 2.3])

([1.1, 2.2), (1.3, 2.1])

([1.1, 2.2), (1.3, 2.2])

([1.1, 2.2), (1.3, 2.3])

([1.1, 2.2), [1.1, 2.1))

([1.1, 2.2), [1.1, 2.2))

([1.1, 2.2), [1.1, 2.3))

([1.1, 2.2), [1.2, 2.1))

$([1.1, 2.2], [1.2, 2.2])$

$([1.1, 2.2], [1.2, 2.3])$

$([1.1, 2.2], [1.3, 2.1])$

$([1.1, 2.2], [1.3, 2.2])$

$([1.1, 2.2], [1.3, 2.3])$

$([1.1, 2.2], [1.1, 2.1])$

$([1.1, 2.2], [1.1, 2.2])$

$([1.1, 2.2], [1.1, 2.3])$

$([1.1, 2.2], [1.2, 2.1])$

$([1.1, 2.2], [1.2, 2.2])$

$([1.1, 2.2], [1.2, 2.3])$

$([1.1, 2.2], [1.3, 2.1])$

$([1.1, 2.2], [1.3, 2.2])$

$([1.1, 2.2], [1.3, 2.3])$

4.3. Kombinationen mit [1.1, 2.3)

([1.1, 2.3), (1.1, 2.1))

([1.1, 2.3), (1.1, 2.2))

([1.1, 2.3), (1.1, 2.3))

([1.1, 2.3), (1.2, 2.1))

([1.1, 2.3), (1.2, 2.2))

([1.1, 2.3), (1.2, 2.3))

([1.1, 2.3), (1.3, 2.1))

([1.1, 2.3), (1.3, 2.2))

([1.1, 2.3), (1.3, 2.3))

([1.1, 2.3), (1.1, 2.1])

([1.1, 2.3), (1.1, 2.2])

([1.1, 2.3), (1.1, 2.3])

([1.1, 2.3), (1.2, 2.1])

([1.1, 2.3), (1.2, 2.2])

([1.1, 2.3), (1.2, 2.3])

([1.1, 2.3), (1.3, 2.1])

([1.1, 2.3), (1.3, 2.2])

([1.1, 2.3), (1.3, 2.3])

([1.1, 2.3), [1.1, 2.1))

([1.1, 2.3), [1.1, 2.2))

([1.1, 2.3), [1.1, 2.3))

([1.1, 2.3), [1.2, 2.1))

$([1.1, 2.3], [1.2, 2.2])$

$([1.1, 2.3], [1.2, 2.3])$

$([1.1, 2.3], [1.3, 2.1])$

$([1.1, 2.3], [1.3, 2.2])$

$([1.1, 2.3], [1.3, 2.3])$

$([1.1, 2.3], [1.1, 2.1])$

$([1.1, 2.3], [1.1, 2.2])$

$([1.1, 2.3], [1.1, 2.3])$

$([1.1, 2.3], [1.2, 2.1])$

$([1.1, 2.3], [1.2, 2.2])$

$([1.1, 2.3], [1.2, 2.3])$

$([1.1, 2.3], [1.3, 2.1])$

$([1.1, 2.3], [1.3, 2.2])$

$([1.1, 2.3], [1.3, 2.3])$

4.4. Kombinationen mit [1.2, 2.1)

([1.2, 2.1), (1.1, 2.1))

([1.2, 2.1), (1.1, 2.2))

([1.2, 2.1), (1.1, 2.3))

([1.2, 2.1), (1.2, 2.1))

([1.2, 2.1), (1.2, 2.2))

([1.2, 2.1), (1.2, 2.3))

([1.2, 2.1), (1.3, 2.1))

([1.2, 2.1), (1.3, 2.2))

([1.2, 2.1), (1.3, 2.3))

([1.2, 2.1], (1.1, 2.1])

([1.2, 2.1], (1.1, 2.2])

([1.2, 2.1], (1.1, 2.3])

([1.2, 2.1], (1.2, 2.1])

([1.2, 2.1], (1.2, 2.2])

([1.2, 2.1], (1.2, 2.3])

([1.2, 2.1], (1.3, 2.1])

([1.2, 2.1], (1.3, 2.2])

([1.2, 2.1], (1.3, 2.3])

([1.2, 2.1), [1.1, 2.1))

([1.2, 2.1), [1.1, 2.2))

([1.2, 2.1), [1.1, 2.3))

([1.2, 2.1), [1.2, 2.1))

$([1.2, 2.1], [1.2, 2.2])$

$([1.2, 2.1], [1.2, 2.3])$

$([1.2, 2.1], [1.3, 2.1])$

$([1.2, 2.1], [1.3, 2.2])$

$([1.2, 2.1], [1.3, 2.3])$

$([1.2, 2.1], [1.1, 2.1])$

$([1.2, 2.1], [1.1, 2.2])$

$([1.2, 2.1], [1.1, 2.3])$

$([1.2, 2.1], [1.2, 2.1])$

$([1.2, 2.1], [1.2, 2.2])$

$([1.2, 2.1], [1.2, 2.3])$

$([1.2, 2.1], [1.3, 2.1])$

$([1.2, 2.1], [1.3, 2.2])$

$([1.2, 2.1], [1.3, 2.3])$

4.5. Kombinationen mit [1.2, 2.2)

([1.2, 2.2), (1.1, 2.1))

([1.2, 2.2), (1.1, 2.2))

([1.2, 2.2), (1.1, 2.3))

([1.2, 2.2), (1.2, 2.1))

([1.2, 2.2), (1.2, 2.2))

([1.2, 2.2), (1.2, 2.3))

([1.2, 2.2), (1.3, 2.1))

([1.2, 2.2), (1.3, 2.2))

([1.2, 2.2), (1.3, 2.3))

([1.2, 2.2), (1.1, 2.1])

([1.2, 2.2), (1.1, 2.2])

([1.2, 2.2), (1.1, 2.3])

([1.2, 2.2), (1.2, 2.1])

([1.2, 2.2), (1.2, 2.2])

([1.2, 2.2), (1.2, 2.3])

([1.2, 2.2), (1.3, 2.1])

([1.2, 2.2), (1.3, 2.2])

([1.2, 2.2), (1.3, 2.3])

([1.2, 2.2), [1.1, 2.1))

([1.2, 2.2), [1.1, 2.2))

([1.2, 2.2), [1.1, 2.3))

([1.2, 2.2), [1.2, 2.1))

$([1.2, 2.2], [1.2, 2.2])$

$([1.2, 2.2], [1.2, 2.3])$

$([1.2, 2.2], [1.3, 2.1])$

$([1.2, 2.2], [1.3, 2.2])$

$([1.2, 2.2], [1.3, 2.3])$

$([1.2, 2.2], [1.1, 2.1])$

$([1.2, 2.2], [1.1, 2.2])$

$([1.2, 2.2], [1.1, 2.3])$

$([1.2, 2.2], [1.2, 2.1])$

$([1.2, 2.2], [1.2, 2.2])$

$([1.2, 2.2], [1.2, 2.3])$

$([1.2, 2.2], [1.3, 2.1])$

$([1.2, 2.2], [1.3, 2.2])$

$([1.2, 2.2], [1.3, 2.3])$

4.6. Kombinationen mit [1.2, 2.3)

([1.2, 2.3), (1.1, 2.1))

([1.2, 2.3), (1.1, 2.2))

([1.2, 2.3), (1.1, 2.3))

([1.2, 2.3), (1.2, 2.1))

([1.2, 2.3), (1.2, 2.2))

([1.2, 2.3), (1.2, 2.3))

([1.2, 2.3), (1.3, 2.1))

([1.2, 2.3), (1.3, 2.2))

([1.2, 2.3), (1.3, 2.3))

([1.2, 2.3], (1.1, 2.1])

([1.2, 2.3], (1.1, 2.2])

([1.2, 2.3], (1.1, 2.3])

([1.2, 2.3], (1.2, 2.1])

([1.2, 2.3], (1.2, 2.2])

([1.2, 2.3], (1.2, 2.3])

([1.2, 2.3], (1.3, 2.1])

([1.2, 2.3], (1.3, 2.2])

([1.2, 2.3], (1.3, 2.3])

([1.2, 2.3), [1.1, 2.1))

([1.2, 2.3), [1.1, 2.2))

([1.2, 2.3), [1.1, 2.3))

([1.2, 2.3), [1.2, 2.1))

$([1.2, 2.3], [1.2, 2.2])$

$([1.2, 2.3], [1.2, 2.3])$

$([1.2, 2.3], [1.3, 2.1])$

$([1.2, 2.3], [1.3, 2.2])$

$([1.2, 2.3], [1.3, 2.3])$

$([1.2, 2.3], [1.1, 2.1])$

$([1.2, 2.3], [1.1, 2.2])$

$([1.2, 2.3], [1.1, 2.3])$

$([1.2, 2.3], [1.2, 2.1])$

$([1.2, 2.3], [1.2, 2.2])$

$([1.2, 2.3], [1.2, 2.3])$

$([1.2, 2.3], [1.3, 2.1])$

$([1.2, 2.3], [1.3, 2.2])$

$([1.2, 2.3], [1.3, 2.3])$

4.7. Kombinationen mit [1.3, 2.1)

([1.3, 2.1), (1.1, 2.1))

([1.3, 2.1), (1.1, 2.2))

([1.3, 2.1), (1.1, 2.3))

([1.3, 2.1), (1.2, 2.1))

([1.3, 2.1), (1.2, 2.2))

([1.3, 2.1), (1.2, 2.3))

([1.3, 2.1), (1.3, 2.1))

([1.3, 2.1), (1.3, 2.2))

([1.3, 2.1), (1.3, 2.3))

([1.3, 2.1), (1.1, 2.1)]

([1.3, 2.1), (1.1, 2.2)]

([1.3, 2.1), (1.1, 2.3)]

([1.3, 2.1), (1.2, 2.1)]

([1.3, 2.1), (1.2, 2.2)]

([1.3, 2.1), (1.2, 2.3)]

([1.3, 2.1), (1.3, 2.1)]

([1.3, 2.1), (1.3, 2.2)]

([1.3, 2.1), (1.3, 2.3)]

([1.3, 2.1), [1.1, 2.1))

([1.3, 2.1), [1.1, 2.2))

([1.3, 2.1), [1.1, 2.3))

([1.3, 2.1), [1.2, 2.1))

$([1.3, 2.1], [1.2, 2.2])$

$([1.3, 2.1], [1.2, 2.3])$

$([1.3, 2.1], [1.3, 2.1])$

$([1.3, 2.1], [1.3, 2.2])$

$([1.3, 2.1], [1.3, 2.3])$

$([1.3, 2.1], [1.1, 2.1])$

$([1.3, 2.1], [1.1, 2.2])$

$([1.3, 2.1], [1.1, 2.3])$

$([1.3, 2.1], [1.2, 2.1])$

$([1.3, 2.1], [1.2, 2.2])$

$([1.3, 2.1], [1.2, 2.3])$

$([1.3, 2.1], [1.3, 2.1])$

$([1.3, 2.1], [1.3, 2.2])$

$([1.3, 2.1], [1.3, 2.3])$

4.8. Kombinationen mit [1.3, 2.2)

([1.3, 2.2), (1.1, 2.1))

([1.3, 2.2), (1.1, 2.2))

([1.3, 2.2), (1.1, 2.3))

([1.3, 2.2), (1.2, 2.1))

([1.3, 2.2), (1.2, 2.2))

([1.3, 2.2), (1.2, 2.3))

([1.3, 2.2), (1.3, 2.1))

([1.3, 2.2), (1.3, 2.2))

([1.3, 2.2), (1.3, 2.3))

([1.3, 2.2), (1.1, 2.1])

([1.3, 2.2), (1.1, 2.2])

([1.3, 2.2), (1.1, 2.3])

([1.3, 2.2), (1.2, 2.1])

([1.3, 2.2), (1.2, 2.2])

([1.3, 2.2), (1.2, 2.3])

([1.3, 2.2), (1.3, 2.1])

([1.3, 2.2), (1.3, 2.2])

([1.3, 2.2), (1.3, 2.3])

([1.3, 2.2), [1.1, 2.1))

([1.3, 2.2), [1.1, 2.2))

([1.3, 2.2), [1.1, 2.3))

([1.3, 2.2), [1.2, 2.1))

$([1.3, 2.2], [1.2, 2.2])$

$([1.3, 2.2], [1.2, 2.3])$

$([1.3, 2.2], [1.3, 2.1])$

$([1.3, 2.2], [1.3, 2.2])$

$([1.3, 2.2], [1.3, 2.3])$

$([1.3, 2.2], [1.1, 2.1])$

$([1.3, 2.2], [1.1, 2.2])$

$([1.3, 2.2], [1.1, 2.3])$

$([1.3, 2.2], [1.2, 2.1])$

$([1.3, 2.2], [1.2, 2.2])$

$([1.3, 2.2], [1.2, 2.3])$

$([1.3, 2.2], [1.3, 2.1])$

$([1.3, 2.2], [1.3, 2.2])$

$([1.3, 2.2], [1.3, 2.3])$

4.9. Kombinationen mit [1.3, 2.3)

([1.3, 2.3), (1.1, 2.1))

([1.3, 2.3), (1.1, 2.2))

([1.3, 2.3), (1.1, 2.3))

([1.3, 2.3), (1.2, 2.1))

([1.3, 2.3), (1.2, 2.2))

([1.3, 2.3), (1.2, 2.3))

([1.3, 2.3), (1.3, 2.1))

([1.3, 2.3), (1.3, 2.2))

([1.3, 2.3), (1.3, 2.3))

([1.3, 2.3], (1.1, 2.1])

([1.3, 2.3], (1.1, 2.2])

([1.3, 2.3], (1.1, 2.3])

([1.3, 2.3], (1.2, 2.1])

([1.3, 2.3], (1.2, 2.2])

([1.3, 2.3], (1.2, 2.3])

([1.3, 2.3], (1.3, 2.1])

([1.3, 2.3], (1.3, 2.2])

([1.3, 2.3], (1.3, 2.3])

([1.3, 2.3), [1.1, 2.1))

([1.3, 2.3), [1.1, 2.2))

([1.3, 2.3), [1.1, 2.3))

([1.3, 2.3), [1.2, 2.1))

$([1.3, 2.3], [1.2, 2.2])$

$([1.3, 2.3], [1.2, 2.3])$

$([1.3, 2.3], [1.3, 2.1])$

$([1.3, 2.3], [1.3, 2.2])$

$([1.3, 2.3], [1.3, 2.3])$

$([1.3, 2.3], [1.1, 2.1])$

$([1.3, 2.3], [1.1, 2.2])$

$([1.3, 2.3], [1.1, 2.3])$

$([1.3, 2.3], [1.2, 2.1])$

$([1.3, 2.3], [1.2, 2.2])$

$([1.3, 2.3], [1.2, 2.3])$

$([1.3, 2.3], [1.3, 2.1])$

$([1.3, 2.3], [1.3, 2.2])$

$([1.3, 2.3], [1.3, 2.3])$

5. Abgeschlossene Zeichenkonnexe

5.1. Kombinationen mit [1.1, 2.1]

$([1.1, 2.1], (1.1, 2.1))$

$([1.1, 2.1], (1.1, 2.2))$

$([1.1, 2.1], (1.1, 2.3))$

$([1.1, 2.1], (1.2, 2.1))$

$([1.1, 2.1], (1.2, 2.2))$

$([1.1, 2.1], (1.2, 2.3))$

$([1.1, 2.1], (1.3, 2.1))$

$([1.1, 2.1], (1.3, 2.2))$

$([1.1, 2.1], (1.3, 2.3))$

$([1.1, 2.1], (1.1, 2.1])$

$([1.1, 2.1], (1.1, 2.2])$

$([1.1, 2.1], (1.1, 2.3])$

$([1.1, 2.1], (1.2, 2.1])$

$([1.1, 2.1], (1.2, 2.2])$

$([1.1, 2.1], (1.2, 2.3])$

$([1.1, 2.1], (1.3, 2.1])$

$([1.1, 2.1], (1.3, 2.2])$

$([1.1, 2.1], (1.3, 2.3])$

$([1.1, 2.1], [1.1, 2.1))$

$([1.1, 2.1], [1.1, 2.2))$

$([1.1, 2.1], [1.1, 2.3))$

$([1.1, 2.1], [1.2, 2.1])$
 $([1.1, 2.1], [1.2, 2.2])$
 $([1.1, 2.1], [1.2, 2.3])$
 $([1.1, 2.1], [1.3, 2.1])$
 $([1.1, 2.1], [1.3, 2.2])$
 $([1.1, 2.1], [1.3, 2.3])$

$([1.1, 2.1], [1.1, 2.1])$
 $([1.1, 2.1], [1.1, 2.2])$
 $([1.1, 2.1], [1.1, 2.3])$
 $([1.1, 2.1], [1.2, 2.1])$
 $([1.1, 2.1], [1.2, 2.2])$
 $([1.1, 2.1], [1.2, 2.3])$
 $([1.1, 2.1], [1.3, 2.1])$
 $([1.1, 2.1], [1.3, 2.2])$
 $([1.1, 2.1], [1.3, 2.3])$

5.2. Kombinationen mit [1.1, 2.2]

$([1.1, 2.2], (1.1, 2.1))$

$([1.1, 2.2], (1.1, 2.2))$

$([1.1, 2.2], (1.1, 2.3))$

$([1.1, 2.2], (1.2, 2.1))$

$([1.1, 2.2], (1.2, 2.2))$

$([1.1, 2.2], (1.2, 2.3))$

$([1.1, 2.2], (1.3, 2.1))$

$([1.1, 2.2], (1.3, 2.2))$

$([1.1, 2.2], (1.3, 2.3))$

$([1.1, 2.2], (1.1, 2.1])$

$([1.1, 2.2], (1.1, 2.2])$

$([1.1, 2.2], (1.1, 2.3])$

$([1.1, 2.2], (1.2, 2.1])$

$([1.1, 2.2], (1.2, 2.2])$

$([1.1, 2.2], (1.2, 2.3])$

$([1.1, 2.2], (1.3, 2.1])$

$([1.1, 2.2], (1.3, 2.2])$

$([1.1, 2.2], (1.3, 2.3])$

$([1.1, 2.2], [1.1, 2.1))$

$([1.1, 2.2], [1.1, 2.2))$

$([1.1, 2.2], [1.1, 2.3))$

$([1.1, 2.2], [1.2, 2.1))$

$([1.1, 2.2], [1.2, 2.2])$

$([1.1, 2.2], [1.2, 2.3])$

$([1.1, 2.2], [1.3, 2.1])$

$([1.1, 2.2], [1.3, 2.2])$

$([1.1, 2.2], [1.3, 2.3])$

$([1.1, 2.2], [1.1, 2.1])$

$([1.1, 2.2], [1.1, 2.2])$

$([1.1, 2.2], [1.1, 2.3])$

$([1.1, 2.2], [1.2, 2.1])$

$([1.1, 2.2], [1.2, 2.2])$

$([1.1, 2.2], [1.2, 2.3])$

$([1.1, 2.2], [1.3, 2.1])$

$([1.1, 2.2], [1.3, 2.2])$

$([1.1, 2.2], [1.3, 2.3])$

5.3. Kombinationen mit [1.1, 2.3]

$([1.1, 2.3], (1.1, 2.1))$

$([1.1, 2.3], (1.1, 2.2))$

$([1.1, 2.3], (1.1, 2.3))$

$([1.1, 2.3], (1.2, 2.1))$

$([1.1, 2.3], (1.2, 2.2))$

$([1.1, 2.3], (1.2, 2.3))$

$([1.1, 2.3], (1.3, 2.1))$

$([1.1, 2.3], (1.3, 2.2))$

$([1.1, 2.3], (1.3, 2.3))$

$([1.1, 2.3], (1.1, 2.1])$

$([1.1, 2.3], (1.1, 2.2])$

$([1.1, 2.3], (1.1, 2.3])$

$([1.1, 2.3], (1.2, 2.1])$

$([1.1, 2.3], (1.2, 2.2])$

$([1.1, 2.3], (1.2, 2.3])$

$([1.1, 2.3], (1.3, 2.1])$

$([1.1, 2.3], (1.3, 2.2])$

$([1.1, 2.3], (1.3, 2.3])$

$([1.1, 2.3], [1.1, 2.1))$

$([1.1, 2.3], [1.1, 2.2))$

$([1.1, 2.3], [1.1, 2.3))$

$([1.1, 2.3], [1.2, 2.1))$

$([1.1, 2.3], [1.2, 2.2])$

$([1.1, 2.3], [1.2, 2.3])$

$([1.1, 2.3], [1.3, 2.1])$

$([1.1, 2.3], [1.3, 2.2])$

$([1.1, 2.3], [1.3, 2.3])$

$([1.1, 2.3], [1.1, 2.1])$

$([1.1, 2.3], [1.1, 2.2])$

$([1.1, 2.3], [1.1, 2.3])$

$([1.1, 2.3], [1.2, 2.1])$

$([1.1, 2.3], [1.2, 2.2])$

$([1.1, 2.3], [1.2, 2.3])$

$([1.1, 2.3], [1.3, 2.1])$

$([1.1, 2.3], [1.3, 2.2])$

$([1.1, 2.3], [1.3, 2.3])$

5.4. Kombinationen mit [1.2, 2.1]

([1.2, 2.1], (1.1, 2.1))

([1.2, 2.1], (1.1, 2.2))

([1.2, 2.1], (1.1, 2.3))

([1.2, 2.1], (1.2, 2.1))

([1.2, 2.1], (1.2, 2.2))

([1.2, 2.1], (1.2, 2.3))

([1.2, 2.1], (1.3, 2.1))

([1.2, 2.1], (1.3, 2.2))

([1.2, 2.1], (1.3, 2.3))

([1.2, 2.1], (1.1, 2.1])

([1.2, 2.1], (1.1, 2.2])

([1.2, 2.1], (1.1, 2.3])

([1.2, 2.1], (1.2, 2.1])

([1.2, 2.1], (1.2, 2.2])

([1.2, 2.1], (1.2, 2.3])

([1.2, 2.1], (1.3, 2.1])

([1.2, 2.1], (1.3, 2.2])

([1.2, 2.1], (1.3, 2.3])

([1.2, 2.1], [1.1, 2.1))

([1.2, 2.1], [1.1, 2.2))

([1.2, 2.1], [1.1, 2.3))

([1.2, 2.1], [1.2, 2.1))

$([1.2, 2.1], [1.2, 2.2])$

$([1.2, 2.1], [1.2, 2.3])$

$([1.2, 2.1], [1.3, 2.1])$

$([1.2, 2.1], [1.3, 2.2])$

$([1.2, 2.1], [1.3, 2.3])$

$([1.2, 2.1], [1.1, 2.1])$

$([1.2, 2.1], [1.1, 2.2])$

$([1.2, 2.1], [1.1, 2.3])$

$([1.2, 2.1], [1.2, 2.1])$

$([1.2, 2.1], [1.2, 2.2])$

$([1.2, 2.1], [1.2, 2.3])$

$([1.2, 2.1], [1.3, 2.1])$

$([1.2, 2.1], [1.3, 2.2])$

$([1.2, 2.1], [1.3, 2.3])$

5.5. Kombinationen mit [1.2, 2.2]

$([1.2, 2.2], (1.1, 2.1))$

$([1.2, 2.2], (1.1, 2.2))$

$([1.2, 2.2], (1.1, 2.3))$

$([1.2, 2.2], (1.2, 2.1))$

$([1.2, 2.2], (1.2, 2.2))$

$([1.2, 2.2], (1.2, 2.3))$

$([1.2, 2.2], (1.3, 2.1))$

$([1.2, 2.2], (1.3, 2.2))$

$([1.2, 2.2], (1.3, 2.3))$

$([1.2, 2.2], (1.1, 2.1])$

$([1.2, 2.2], (1.1, 2.2])$

$([1.2, 2.2], (1.1, 2.3])$

$([1.2, 2.2], (1.2, 2.1])$

$([1.2, 2.2], (1.2, 2.2])$

$([1.2, 2.2], (1.2, 2.3])$

$([1.2, 2.2], (1.3, 2.1])$

$([1.2, 2.2], (1.3, 2.2])$

$([1.2, 2.2], (1.3, 2.3])$

$([1.2, 2.2], [1.1, 2.1))$

$([1.2, 2.2], [1.1, 2.2))$

$([1.2, 2.2], [1.1, 2.3))$

$([1.2, 2.2], [1.2, 2.1))$

$([1.2, 2.2], [1.2, 2.2])$

$([1.2, 2.2], [1.2, 2.3])$

$([1.2, 2.2], [1.3, 2.1])$

$([1.2, 2.2], [1.3, 2.2])$

$([1.2, 2.2], [1.3, 2.3])$

$([1.2, 2.2], [1.1, 2.1])$

$([1.2, 2.2], [1.1, 2.2])$

$([1.2, 2.2], [1.1, 2.3])$

$([1.2, 2.2], [1.2, 2.1])$

$([1.2, 2.2], [1.2, 2.2])$

$([1.2, 2.2], [1.2, 2.3])$

$([1.2, 2.2], [1.3, 2.1])$

$([1.2, 2.2], [1.3, 2.2])$

$([1.2, 2.2], [1.3, 2.3])$

5.6. Kombinationen mit [1.2, 2.3]

$([1.2, 2.3], (1.1, 2.1))$

$([1.2, 2.3], (1.1, 2.2))$

$([1.2, 2.3], (1.1, 2.3))$

$([1.2, 2.3], (1.2, 2.1))$

$([1.2, 2.3], (1.2, 2.2))$

$([1.2, 2.3], (1.2, 2.3))$

$([1.2, 2.3], (1.3, 2.1))$

$([1.2, 2.3], (1.3, 2.2))$

$([1.2, 2.3], (1.3, 2.3))$

$([1.2, 2.3], (1.1, 2.1])$

$([1.2, 2.3], (1.1, 2.2])$

$([1.2, 2.3], (1.1, 2.3])$

$([1.2, 2.3], (1.2, 2.1])$

$([1.2, 2.3], (1.2, 2.2])$

$([1.2, 2.3], (1.2, 2.3])$

$([1.2, 2.3], (1.3, 2.1])$

$([1.2, 2.3], (1.3, 2.2])$

$([1.2, 2.3], (1.3, 2.3])$

$([1.2, 2.3], [1.1, 2.1))$

$([1.2, 2.3], [1.1, 2.2))$

$([1.2, 2.3], [1.1, 2.3))$

$([1.2, 2.3], [1.2, 2.1))$

$([1.2, 2.3], [1.2, 2.2])$

$([1.2, 2.3], [1.2, 2.3])$

$([1.2, 2.3], [1.3, 2.1])$

$([1.2, 2.3], [1.3, 2.2])$

$([1.2, 2.3], [1.3, 2.3])$

$([1.2, 2.3], [1.1, 2.1])$

$([1.2, 2.3], [1.1, 2.2])$

$([1.2, 2.3], [1.1, 2.3])$

$([1.2, 2.3], [1.2, 2.1])$

$([1.2, 2.3], [1.2, 2.2])$

$([1.2, 2.3], [1.2, 2.3])$

$([1.2, 2.3], [1.3, 2.1])$

$([1.2, 2.3], [1.3, 2.2])$

$([1.2, 2.3], [1.3, 2.3])$

5.7. Kombinationen mit [1.3, 2.1]

([1.3, 2.1], (1.1, 2.1))

([1.3, 2.1], (1.1, 2.2))

([1.3, 2.1], (1.1, 2.3))

([1.3, 2.1], (1.2, 2.1))

([1.3, 2.1], (1.2, 2.2))

([1.3, 2.1], (1.2, 2.3))

([1.3, 2.1], (1.3, 2.1))

([1.3, 2.1], (1.3, 2.2))

([1.3, 2.1], (1.3, 2.3))

([1.3, 2.1], (1.1, 2.1])

([1.3, 2.1], (1.1, 2.2])

([1.3, 2.1], (1.1, 2.3])

([1.3, 2.1], (1.2, 2.1])

([1.3, 2.1], (1.2, 2.2])

([1.3, 2.1], (1.2, 2.3])

([1.3, 2.1], (1.3, 2.1])

([1.3, 2.1], (1.3, 2.2])

([1.3, 2.1], (1.3, 2.3])

([1.3, 2.1], [1.1, 2.1))

([1.3, 2.1], [1.1, 2.2))

([1.3, 2.1], [1.1, 2.3))

([1.3, 2.1], [1.2, 2.1))

$([1.3, 2.1], [1.2, 2.2])$

$([1.3, 2.1], [1.2, 2.3])$

$([1.3, 2.1], [1.3, 2.1])$

$([1.3, 2.1], [1.3, 2.2])$

$([1.3, 2.1], [1.3, 2.3])$

$([1.3, 2.1], [1.1, 2.1])$

$([1.3, 2.1], [1.1, 2.2])$

$([1.3, 2.1], [1.1, 2.3])$

$([1.3, 2.1], [1.2, 2.1])$

$([1.3, 2.1], [1.2, 2.2])$

$([1.3, 2.1], [1.2, 2.3])$

$([1.3, 2.1], [1.3, 2.1])$

$([1.3, 2.1], [1.3, 2.2])$

$([1.3, 2.1], [1.3, 2.3])$

5.8. Kombinationen mit [1.3, 2.2]

$([1.3, 2.2], (1.1, 2.1))$

$([1.3, 2.2], (1.1, 2.2))$

$([1.3, 2.2], (1.1, 2.3))$

$([1.3, 2.2], (1.2, 2.1))$

$([1.3, 2.2], (1.2, 2.2))$

$([1.3, 2.2], (1.2, 2.3))$

$([1.3, 2.2], (1.3, 2.1))$

$([1.3, 2.2], (1.3, 2.2))$

$([1.3, 2.2], (1.3, 2.3))$

$([1.3, 2.2], (1.1, 2.1])$

$([1.3, 2.2], (1.1, 2.2])$

$([1.3, 2.2], (1.1, 2.3])$

$([1.3, 2.2], (1.2, 2.1])$

$([1.3, 2.2], (1.2, 2.2])$

$([1.3, 2.2], (1.2, 2.3])$

$([1.3, 2.2], (1.3, 2.1])$

$([1.3, 2.2], (1.3, 2.2])$

$([1.3, 2.2], (1.3, 2.3])$

$([1.3, 2.2], [1.1, 2.1))$

$([1.3, 2.2], [1.1, 2.2))$

$([1.3, 2.2], [1.1, 2.3))$

$([1.3, 2.2], [1.2, 2.1))$

$([1.3, 2.2], [1.2, 2.2])$

$([1.3, 2.2], [1.2, 2.3])$

$([1.3, 2.2], [1.3, 2.1])$

$([1.3, 2.2], [1.3, 2.2])$

$([1.3, 2.2], [1.3, 2.3])$

$([1.3, 2.2], [1.1, 2.1])$

$([1.3, 2.2], [1.1, 2.2])$

$([1.3, 2.2], [1.1, 2.3])$

$([1.3, 2.2], [1.2, 2.1])$

$([1.3, 2.2], [1.2, 2.2])$

$([1.3, 2.2], [1.2, 2.3])$

$([1.3, 2.2], [1.3, 2.1])$

$([1.3, 2.2], [1.3, 2.2])$

$([1.3, 2.2], [1.3, 2.3])$

5.9. Kombinationen mit [1.3, 2.3]

([1.3, 2.3], (1.1, 2.1))

([1.3, 2.3], (1.1, 2.2))

([1.3, 2.3], (1.1, 2.3))

([1.3, 2.3], (1.2, 2.1))

([1.3, 2.3], (1.2, 2.2))

([1.3, 2.3], (1.2, 2.3))

([1.3, 2.3], (1.3, 2.1))

([1.3, 2.3], (1.3, 2.2))

([1.3, 2.3], (1.3, 2.3))

([1.3, 2.3], (1.1, 2.1])

([1.3, 2.3], (1.1, 2.2])

([1.3, 2.3], (1.1, 2.3])

([1.3, 2.3], (1.2, 2.1])

([1.3, 2.3], (1.2, 2.2])

([1.3, 2.3], (1.2, 2.3])

([1.3, 2.3], (1.3, 2.1])

([1.3, 2.3], (1.3, 2.2])

([1.3, 2.3], (1.3, 2.3])

([1.3, 2.3], [1.1, 2.1))

([1.3, 2.3], [1.1, 2.2))

([1.3, 2.3], [1.1, 2.3))

([1.3, 2.3], [1.2, 2.1))

$([1.3, 2.3], [1.2, 2.2])$

$([1.3, 2.3], [1.2, 2.3])$

$([1.3, 2.3], [1.3, 2.1])$

$([1.3, 2.3], [1.3, 2.2])$

$([1.3, 2.3], [1.3, 2.3])$

$([1.3, 2.3], [1.1, 2.1])$

$([1.3, 2.3], [1.1, 2.2])$

$([1.3, 2.3], [1.1, 2.3])$

$([1.3, 2.3], [1.2, 2.1])$

$([1.3, 2.3], [1.2, 2.2])$

$([1.3, 2.3], [1.2, 2.3])$

$([1.3, 2.3], [1.3, 2.1])$

$([1.3, 2.3], [1.3, 2.2])$

$([1.3, 2.3], [1.3, 2.3])$

Literatur

Bense, Max, Die Unwahrscheinlichkeit des Ästhetischen. Baden-Baden 1979

Bense, Max, Axiomatik und Semiotik. Baden-Baden 1981

Klaus, Georg, Semiotik. Berlin (DDR) 1962, 4. Aufl. München 1973

Toth, Alfred, Entwurf einer semiotisch-relationalen Grammatik. Tübingen 1997

Toth, Alfred, Was und wie repräsentieren semiotische Trichotomien? In: Electronic Journal for Mathematical Semiotics, 2019a

Toth, Alfred, Die Definition der triadisch-trichotomischen Zeichenrelationen mit Hilfe der 2×3 -Teilmatrix. In: Electronic Journal for Mathematical Semiotics, 2019b

Toth, Alfred, Syntaktische Semiotik. In: Electronic Journal for Mathematical Semiotics, 2019c

Toth, Alfred, Topologische semiotische Kategorien. In: Electronic Journal for Mathematical Semiotics, 2019d

Walther, Elisabeth, Allgemeine Zeichenlehre. 2. Aufl. Stuttgart 1979

5.2.2019