

Titel: Definitions, [Uldall] 034-0640

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Anvendt udgave: Louis Hjelmslev og hans kreds

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9. (continued)

If both terminals are minor and variable (miv), then the relation is said to be a selection and is symbolized by $a \leftrightarrow b$;

If one terminal is major and constant (mac) and the other minor and variable (miv), then the relation is said to be a selection and is symbolized by $a \leftrightarrow b$ (mac-miv) or $a \rightarrow b$ (miv-mac);

If one terminal is major and variable (mav) and the other minor and constant (mic), then the relation is said to be a selection and is symbolized by $a \leftrightarrow b$ (mav-mic) or $a \rightarrow b$ (mic-mav).

NB Relations with the terminals mav-mac, mav-miv, mac-mic, or miv-mic do not seem to occur.

II. Details of I.9.

$$\left. \begin{array}{l} (+ a + \bar{a}) (+ b + \bar{b}) \\ (- a - \bar{a}) (- b - \bar{b}) \end{array} \right\} = ab + a\bar{b} + \bar{a}b + \bar{a}\bar{b} :: a \leftrightarrow b \quad \text{mav-mav}$$

$$\left. \begin{array}{l} (+ a + \bar{a}) (+ b - \bar{b}) \\ (- a - \bar{a}) (- b + \bar{b}) \end{array} \right\} = ab - a\bar{b} + \bar{a}b - \bar{a}\bar{b} :: a \rightarrow b \quad \text{miv-mac}$$

$$\left. \begin{array}{l} (+ a + \bar{a}) (- b + \bar{b}) \\ (- a - \bar{a}) (+ b - \bar{b}) \end{array} \right\} = -ab + a\bar{b} - \bar{a}b + \bar{a}\bar{b} :: a \leftrightarrow b \quad \text{mav-mic}$$

$$\left. \begin{array}{l} (+ a + \bar{a}) (- b - \bar{b}) \\ (- a - \bar{a}) (+ b + \bar{b}) \end{array} \right\} = -ab - a\bar{b} - \bar{a}b - \bar{a}\bar{b} :: a \leftrightarrow b \quad \text{miv-miv}$$

$$\left. \begin{array}{l} (+ a - \bar{a}) (+ b + \bar{b}) \\ (- a + \bar{a}) (- b - \bar{b}) \end{array} \right\} = ab + a\bar{b} - \bar{a}b - \bar{a}\bar{b} :: a \leftrightarrow b \quad \text{mac-miv}$$

$$\left. \begin{array}{l} (+ a - \bar{a}) (+ b - \bar{b}) \\ (- a + \bar{a}) (- b + \bar{b}) \end{array} \right\} = ab - a\bar{b} - \bar{a}b + \bar{a}\bar{b} :: a \rightarrow b \quad \text{mic-mic}$$

$$\left. \begin{array}{l} (+ a - \bar{a}) (- b + \bar{b}) \\ (- a + \bar{a}) (+ b - \bar{b}) \end{array} \right\} = ab + a\bar{b} + \bar{a}b - \bar{a}\bar{b} :: a \leftrightarrow b \quad \text{mac-mac}$$

$$\left. \begin{array}{l} (+ a - \bar{a}) (- b - \bar{b}) \\ (- a + \bar{a}) (+ b + \bar{b}) \end{array} \right\} = -ab - a\bar{b} + \bar{a}b + \bar{a}\bar{b} :: a \leftrightarrow b \quad \text{mic-mav}$$