

# 04 A Matheumgebungen

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1 \begin{align}
  x&=y & & X&=Y & & a&=b+c\\
3 x' &= y' & & X'&=Y' & & a'&= b\\
  x+x'&=y+y' & & X+X'&=Y+Y' & & a' b&=c' b
5 \end{align}

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$$\begin{array}{lll} x = y & X = Y & a = b + c \quad (1) \\ x' = y' & X' = Y' & a' = b \quad (2) \\ x + x' = y + y' & X + X' = Y + Y' & a' b = c' b \quad (3) \end{array}$$

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1 \begin{align}
  \begin{split}
3 a&=b+c-d\\
  &\quad +e-f\\
5 &=g+h\\
  &=i
7 \end{split}
\end{align}

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$$\begin{aligned} a &= b + c - d \\ &\quad + e - f \\ &= g + h \\ &= i \end{aligned} \quad (4)$$

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\begin{gather}
2 a_1=b_1+c_1\\
  a_2=b_2+c_2-d_2+e_2
4 \end{gather}

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$$\begin{aligned} a_1 &= b_1 + c_1 \quad (5) \\ a_2 &= b_2 + c_2 - d_2 + e_2 \quad (6) \end{aligned}$$

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\begin{align}
2 a_{11}&=b_{11}& a_{12}&=b_{12}\\
  a_{21}&=b_{21}& a_{22}&=b_{22}+c_{22}
4 \end{align}

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$$\begin{array}{ll} a_{11} = b_{11} & a_{12} = b_{12} \quad (7) \\ a_{21} = b_{21} & a_{22} = b_{22} + c_{22} \quad (8) \end{array}$$