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}
```

$$
\begin{align}
x &= y & X &= Y & a &= b + c \tag{1}\\
x' &= y' & X' &= Y' & a' &= b \tag{2}\\
x + x' &= y + y' & X + X' &= Y + Y' & a'b &= c'b \tag{3}
\end{align}
$$

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

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

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

$$
a_1 = b_1 + c_1 \tag{5}
$$
$$
a_2 = b_2 + c_2 - d_2 + e_2 \tag{6}
$$

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

$$
\begin{align}
a_{11} &= b_{11} & a_{12} &= b_{12} \tag{7}\\
a_{21} &= b_{21} & a_{22} &= b_{22} + c_{22} \tag{8}
\end{align}
$$