Example 5a Keeping focused

```
{a,b,c,d,e,f,h,i,j,k,l,m,n,o,p,q,r,s,t,u#}::Indices.

expr := A_{a} v^{a} + B_{a} v^{a} + C_{a} v^{a}.  # cdb (ex-05.100,expr)

zoom (expr,$B_{a} Q??$)                           # cdb (ex-05.101,expr)
substitute (expr, $v^{a} -> w^{a}$)               # cdb (ex-05.102,expr)
unzoom (expr)                                     # cdb (ex-05.103,expr)

checkpoint.append (expr)
```

$$
\begin{aligned}
A_a v^a + B_a v^a + C_a v^a &= \ldots + B_a v^a + \ldots && \text{(ex-05.101)} \\
&= \ldots + B_a w^a + \ldots && \text{(ex-05.102)} \\
&= A_a v^a + B_a w^a + C_a v^a && \text{(ex-05.103)}
\end{aligned}
$$

Example 5b Tags

```
{a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p,q,r,s,t,u#}::Indices(position=independent).

def add_tags (obj,tag):
   n = 0
   ans = Ex('0')
   for i in obj.top().terms():
      foo = obj[i]
      bah = Ex(tag+'_{'+str(n)+'}')
      ans := @(ans) + @(bah) @(foo).
      n = n + 1
   return ans

def clear_tags (obj,tag):
   ans := @(obj).
   foo  = Ex(tag+'_{a?} -> 1')
   substitute (ans,foo)
   return ans

expr := 2 V_{p q} - 3 V_{q p}.                    # cdb (ex-05.200,expr)

expr = add_tags (expr,'\\mu')                     # cdb (ex-05.201,expr)

zoom       (expr, $\mu_{1} Q??$)                  # cdb (ex-05.202,expr)
substitute (expr, $V_{a b} -> - V_{b a}$)         # cdb (ex-05.203,expr)
unzoom     (expr)                                 # cdb (ex-05.204,expr)

expr = clear_tags (expr,'\\mu')                   # cdb (ex-05.205,expr)

checkpoint.append (expr)
```

$$
\begin{aligned}
2V_{pq} - 3V_{qp} &= 2\mu_0 V_{pq} - 3\mu_1 V_{qp} && \texttt{(ex-05.201)} \\
&= \ldots - 3\mu_1 V_{qp} && \texttt{(ex-05.202)} \\
&= \ldots + 3\mu_1 V_{pq} && \texttt{(ex-05.203)} \\
&= 2\mu_0 V_{pq} + 3\mu_1 V_{pq} && \texttt{(ex-05.204)} \\
&= 5V_{pq} && \texttt{(ex-05.205)}
\end{aligned}
$$