

Exercise 5.1 Swap terms

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1 {a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p,q,r,s,t,u#}::Indices(position=independent).
2
3 expr := A_{a} (P^{b}+Q^{b}) + C_{a} V^{b}. # cdb (ex-0501.100,expr)
4
5 substitute (expr, $A_{a} B?? + C_{a} D?? -> A_{a} D?? + C_{a} B??) # cdb (ex-0501.101,expr)
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$$\text{ex-0501.100} := A_a (P^b + Q^b) + C_a V^b$$

$$\text{ex-0501.101} := A_a V^b + C_a (P^b + Q^b)$$