$N_{31}^{(A)} = iQA_{11}^{*} \cdot 2_{1} \Psi_{12} - iQA_{11} \cdot 2_{1} \Psi_{20} - iQA_{11} \cdot 2_{1} \Psi_{20}^{*}$   $-i2QA_{22} \cdot 2_{1} \Psi_{11}^{*} + i2Q2_{1}A_{11}^{*} \cdot \Psi_{12} + iQ2_{1}A_{20} \cdot \Psi_{11}^{*}$   $+iQ2_{1}A_{20}^{*} \cdot \Psi_{11} - iQ2_{1}A_{22} \cdot \Psi_{11}^{*} + c.c.$ 

correct in code.

N30 (A): iQA,, · 0 x 42, \* + iQA2, · 2x4, \*
+ iQ2xA,, · 42, \* + iQ2xA2, · 4, \* + c.c.