```
ln[627] = Collect[Expand[LNH2[[1, 1]]] /. {NSe1 \rightarrow 0, NSe4 \rightarrow 0, NSe5 \rightarrow 0, NSe6 \rightarrow 0, NSe7 \rightarrow 0, N
                                                                                                                                                                                                                  NSe7 \rightarrow 0, NSo1 \rightarrow 0, NSo3 \rightarrow 0, NSo4 \rightarrow 0, NSo6 \rightarrow 0, NSo7 \rightarrow 0, CS1 \rightarrow 0, CS2 \rightarrow 0,
                                                                                                                                                                                                                  CS3 \rightarrow 0, CS4 \rightarrow 0, CS5 \rightarrow 0, CS6 \rightarrow 0, \kappa1[i] \rightarrow 1.000], \{NSe2, NSe3, NSo2, NSo5\}
\text{Out} \text{(627)= NSO5} \, \left( -7.37724 \times 10^{-11} \, \text{i} \,\, \text{v1} \,\, \chi 01 + 0.0102111 \, \text{i} \,\, \text{v2} \,\, \chi 01 - 0.14413 \, \text{i} \,\, \text{v3} \,\, \chi 01 - 2.0841 \times 10^{-10} \, \text{i} \,\, \text{v1} \,\, \chi 02 + 10^{-10} \, \text{v1} \,\, \chi 01 + 10^{-10} \,\, \chi 01
                                                                                                                                                                                                                                 \textbf{0.0288466} \pm \lor 2\ \chi 02 - \textbf{0.407171} \pm \lor 3\ \chi 02 + \textbf{3.21004} \times \textbf{10}^{-10} \pm \lor 1\ \chi 03 - \textbf{0.0444313} \pm \lor 2\ \chi 03 + \textbf{0.0288466} + \textbf{0.028846} + \textbf{0.028846} + \textbf{0.028846} + \textbf{0.02886} + \textbf{0.028866} + \textbf{0.0288666} + \textbf{0.028866} + \textbf{0.028866} + \textbf{0.028866} + \textbf{0.028866} + \textbf{0.028866} + \textbf{0.028866} + \textbf{0.
                                                                                                                                                                                                                                 0.627149 \pm \sqrt{3} \times 0.3 + 4.40432 \times 10^{-10} \pm \sqrt{1} \times 0.4 - 0.0609616 \pm \sqrt{2} \times 0.4 + 0.860475 \pm \sqrt{3} \times 0.4 - 0.0609616 \pm \sqrt{2} \times 0.4 + 0.860475 \pm \sqrt{3} \times 0.4 + 0.0609616 \pm 0.0609616 \pm 0.0009616 \pm 0.0009616 \pm 0.0009616 \pm 0.0009616 \pm 0.0009616 \pm 0.00
                                                                                                                                                                                                                                 \textbf{2.1182} \times \textbf{10}^{-10} ~\text{i}~ \forall 1~\chi \textbf{05} + \textbf{0.0293186} ~\text{i}~ \forall 2~\chi \textbf{05} - \textbf{0.413833} ~\text{i}~ \forall 3~\chi \textbf{05} + \textbf{1.25621} \times \textbf{10}^{-11} ~\text{i}~ \forall 1~\chi \textbf{06} - \textbf{0.0130} + \textbf{0.0293186} ~\text{i}~ \forall 2~\chi \textbf{05} + \textbf{0.0293186} ~\text{i}~ \forall 3~\chi \textbf{05} + \textbf{0.
                                                                                                                                                                                                                                 0.00173876 i \vee2 \chi06 + 0.0245426 i \vee3 \chi06 + 0.070968 i e \chiC1 - 0.88256 i \mu \chiC1 +
                                                                                                                                                                                                                                     0.622685 i \tau \chiC1 + 0.0381667 i e \chiC2 - 0.474643 i \mu \chiC2 + 0.334881 i \tau \chiC2 + +
                                                                                                                                                                \texttt{NSo2} \ \left( -7.37899 \times 10^{-11} \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 2 \ \chi 01 - 0.144164 \ \text{i} \ \lor 3 \ \chi 01 - 2.08459 \times 10^{-10} \ \text{i} \ \lor 1 \ \chi 02 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \lor 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 01 + 0.0102135 \ \text{i} \ \ 1 \ \chi 0
                                                                                                                                                                                                                                     0.0288535 \pm \vee2 \chi02 - 0.407267 \pm \vee3 \chi02 + 3.2108 \times 10<sup>-10</sup> \pm \vee1 \chi03 - 0.0444418 \pm \vee2 \chi03 +
                                                                                                                                                                                                                                 0.627297 \pm \sqrt{3} \times 03 + 4.40536 \times 10^{-10} \pm \sqrt{1} \times 04 - 0.060976 \pm \sqrt{2} \times 04 + 0.860678 \pm \sqrt{3} \times 04 - 0.060976 \pm \sqrt{3} \times 04 + 0.060976 \pm 04 + 0.060976 \pm \sqrt{3} \times 04 + 0.060976 \pm \sqrt{3} \times
                                                                                                                                                                                                                                 \textbf{2.1187} \times \textbf{10}^{-10} \; \text{\^{1}} \; \forall 1 \; \chi \textbf{05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 2 \; \chi \textbf{05} - \textbf{0.413931} \; \text{\^{1}} \; \forall 3 \; \chi \textbf{05} + \textbf{1.25651} \times \textbf{10}^{-11} \; \text{\^{1}} \; \forall 1 \; \chi \textbf{06} - \textbf{0.413931} \; \text{\^{1}} \; \forall 3 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 2 \; \chi \textbf{0.05} - \textbf{0.0293256} \; \text{\^{1}} \; \forall 3 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.0293256} \; \text{\^{1}} \; \forall 4 \; \chi \textbf{0.05} + \textbf{0.029325
                                                                                                                                                                                                                                     0.00173917 \pm v2 \chi06 + 0.0245484 \pm v3 \chi06 + 0.0709847 \pm e \chiC1 - 0.882768 \pm \mu \chiC1 +
                                                                                                                                                                                                                                     0.622832 i \tau \chiC1 + 0.0381758 i e \chiC2 - 0.474755 i \mu \chiC2 + 0.33496 i \tau \chiC2) +
                                                                                                                                                               NSe3 \left(-1.89329 \times 10^{-11} \text{ V1} \chi 01 + 0.00262057 \text{ V2} \chi 01 - 0.0369894 \text{ V3} \chi 01 - 1.81436 \times 10^{-10} \text{ V1} \chi 02 + 0.00262057 \text{ V2} \chi 01 - 0.0369894 \text{ V3} \chi 01 - 0.00164 \times 10^{-10} \text{ V1} \chi 02 + 0.00162057 \text{ V2} \chi 01 - 0.00162057 \text{ V2} \chi 01 - 0.00169894 \text{ V3} \chi 01 - 0.00164 \times 10^{-10} \text{ V1} \chi 02 + 0.00162057 \text{ V2} \chi 01 - 0.00162057 \text{ V2} \chi 01 - 0.00169894 \text{ V3} \chi 01 - 0.00162057 \text{ V2} \chi 01 - 0.00162057 \text{ V3} \chi 01 - 0.00162057 \text{ V2} \chi 01 - 0.00162057 \text{ V3} \chi 01 - 0.0016
                                                                                                                                                                                                                                     1.82427 \times 10^{-10} \text{ } v1 \text{ } \chi05 + 0.0252504 \text{ } v2 \text{ } \chi05 - 0.35641 \text{ } v3 \text{ } \chi05 - 2.91584 \times 10^{-11} \text{ } v1 \text{ } \chi06 + 0.0252504 \text{ } v2 \text{ } \chi05 - 0.35641 \text{ } v3 \text{ } \chi05 - 2.91584 \times 10^{-11} \text{ } v1 \text{ } \chi06 + 0.0252504 \text{ } v2 \text{ } \chi05 - 0.0252504 \text{ } v2 \text{
                                                                                                                                                                                                                                     0.0040359 \vee2 \chi06 - 0.0569669 \vee3 \chi06 + 0.0604354 e \chiC1 - 0.751576 \mu \chiC1 +
                                                                                                                                                                                                                                     0.53027 \tau \chiC1 + 0.0325023 e \chiC2 - 0.404199 \mu \chiC2 + 0.28518 \tau \chiC2) +
                                                                                                                                                               \mathtt{NSe2} \, \left( -2.32669 \times 10^{-10} \,\, \mathrm{v1} \,\, \chi 01 + 0.0322044 \,\, \mathrm{v2} \,\, \chi 01 - 0.454567 \,\, \mathrm{v3} \,\, \chi 01 - 2.17805 \times 10^{-10} \,\, \mathrm{v1} \,\, \chi 02 + 0.001201 \,\, \mathrm{v1} \,\, \chi 01 + 0.001201 \,\, \mathrm{v1} \,\, \mathrm{v1} \,\, \chi 01 + 0.001201 \,\, \mathrm{v1} \,\, \mathrm{v1} \,\, \mathrm{v2} \,\, \mathrm{v2} \,\, \mathrm{v2} \,\, \mathrm{v2} \,\, \mathrm{v3} \,
                                                                                                                                                                                                                                     0.0301471 \vee 2 \times 02 - 0.425528 \vee 3 \times 02 + 3.40529 \times 10^{-10} \vee 1 \times 03 - 0.0471337 \vee 2 \times 03 + 0.047137 \vee 2 \times 03 + 0.0471337 \vee 2 \times 03 + 0.047137 \vee 2 \times 03 + 0.04717 \vee 2 \times 03 
                                                                                                                                                                                                                                     2.28161 \times 10^{-10} \text{ V1 } \chi 05 + 0.0315805 \text{ V2 } \chi 05 - 0.445759 \text{ V3 } \chi 05 + 1.50848 \times 10^{-10} \text{ V1 } \chi 06 - 0.0315805 \text{ V2 } \chi 05 + 0.0315805 \text{ V3 } \chi 05 + 0.0315805 \text{ V2 } \chi 05 + 0.0315805 \text{ V3 } \chi 05 + 0.
                                                                                                                                                                                                                                     0.0208794 \vee2 \chi06 + 0.294714 \vee3 \chi06 + 0.078796 e \chiC1 - 0.97991 \mu \chiC1 +
                                                                                                                                                                                                                                     0.691369 \tau \chiC1 + 0.0423767 e \chiC2 - 0.526998 \mu \chiC2 + 0.37182 \tau \chiC2
```