Any formation of nilpotent groups is $\Sigma_2^{T_1}$ *- recognizable.*

Any formation of nilpotent groups is $\Sigma_2^{T_2}$ *- recognizable.*

Any formation of nilpotent groups is $\Sigma_2^{T_3}$ *- recognizable.*

Any formation of nilpotent groups is $\Sigma_2^{S_{sn}}$ *- recognizable.*

Any formation of nilpotent groups is $\Sigma_2^{S_n}$ *- recognizable.*

Any formation of nilpotent groups is $\Sigma_2^{sub_{\mathfrak{F}}}$ *- recognizable.*

Any formation of nilpotent groups is $\Sigma_2^{S_{an}}$ *- recognizable.*

Any formation of nilpotent groups is $\Sigma_2^{S_{cn}}$ *- recognizable.*

Any formation of nilpotent groups is $\Sigma_2^{S_{\mathfrak{X}-at}}$ *- recognizable.*

Any formation of nilpotent groups is $\Sigma_2^{S_{\mathfrak{X}-san}}$ *- recognizable.*

Any formation of nilpotent groups is $\Omega_2^{T_1}$ *- recognizable.*

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