i.
$$L_{1} = \{0^{2n} 12^{3n} : n \in M\}$$
 $\sum = \{0, 1, 2\}$
 $V = \{S, A\}$
 $R:$
 $A \to 1/00A222$

ii. $L_{2} = \text{supers of 3*'S precedency 5'(N, M) 5', X, X, Z}$
 $\sum = \{X, Y, Z, +, *, (,)\}$
 $V = \{S, A, O\}$
 $R:$
 $A \to AOA/(AOA)/x/x/Z$
 $O \to +/*$

iii. $L_{3} = \{X \in \{0, 1\}^{n} : n \in M \text{ and } +o \text{ in } X = +1 \text{ in } X\}$
 $\sum = \{0, 1, E\}$
 $V = \{S, A\}$
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