PDA to CFG

Let $M = (\{q_0, q_1\}, \{0, 1\}, \{X, Z_0\}, q_0, Z_0, \delta, \emptyset)$ where δ is defined as:
$\delta(q_0, 0, Z_0) = \{(q_0, XZ_0)\}$ $\delta(q_0, 0, X) = \{(q_0, XX)\}$
$\delta(q_0, 1, X) = \{(q_1, \Lambda)\}$ $\delta(q_1, 1, X) = \{(q_1, \Lambda)\}$
$\delta(q_1, \Lambda, X) = \{(q_1, \Lambda)\}$ $\delta(q_1, \Lambda, Z_0) = \{(q_1, \Lambda)\}$

$S \to [q_0, Z_0, q_0] | q_0, Z_0, q_1]$ $[q_0, X, q_1] \to 1$
$[q_1, X, q_1] \to 1 | \Lambda$ $[q_1, Z_0, q_1] \to \Lambda$

$[q_0, Z_0, p] \to 0[q_0, X, q][q, Z_0, p]$
$[q_0, Z_0, q_0] \to 0[q_0, X, q_0][q_0, Z_0, q_0]$
$[q_0, Z_0, q_1] \to 0[q_0, X, q_1][q_1, Z_0, q_1]$
$[q_0, Z_0, q_1] \to 0[q_0, X, q_0][q_0, Z_0, q_1]$
$[q_0, Z_0, q_0] \to 0[q_0, X, q_1][q_0, Z_1, q_0]$

$[q_0, X, p] \to 0[q, X, q_0][q, X, p]$
$[q_0, X, q_0] \to 0[q_0, X, q_0][q_0, X, q_0]$
$[q_0, X, q_1] \to 0[q_1, X, q_0][q_1, X, q_1]$
$[q_0, X, q_1] \to 0[q_0, X, q_0][q_0, X, q_1]$
$[q_0, X, q_0] \to 0[q_0, X, q_1][q_1, X, q_0]$

After eliminating the useless stuff (by observation) we get:
$S \to [q_0, Z_0, q_1]$ $[q_1, Z_0, q_1] \to \Lambda$ $[q_1, X, q_1] \to \Lambda | 1$
$[q_0, Z_0, q_1] \to 0[q_0, X, q_1][q_1, Z_0, q_1]$ $[q_0, X, q_1] \to 1 | 0[q_0, X, q_1][q_1, X, q_1]$

Another example is $L = \{01^n0 | n \geq 0\}$

Let $M = (\{q_0, q_1, q_2\}, \{0, 1\}, \{X, Z_0\}, q_0, Z_0, \delta, \emptyset)$ where δ is defined as:

$\delta(q_0, 0, Z_0) = \{(q_1, XZ_0)\}$ $\qquad \delta(q_1, 1, X) = \{(q_1, X)\}$

$\delta(q_1, 0, X) = \{(q_2, \Lambda)\}$ $\qquad \delta(q_2, \Lambda, Z_0) = \{(q_2, \Lambda)\}$

$S \rightarrow [q_0, Z_0, q_0] | [q_0, Z_0, q_1] | [q_0, Z_0, q_2]$

$[q_1, X, q_2] \rightarrow 0 \qquad [q_2, Z_0, q_2] \rightarrow \Lambda$

$[q_1, X, q] \rightarrow 1[q_1, X, q]$

$[q_1, X, q_0] \rightarrow 1[q_1, X, q_0]$

$[q_1, X, q_1] \rightarrow 1[q_1, X, q_1]$

$[q_1, X, q_2] \rightarrow 1[q_1, X, q_2]$

$[q_0, Z_0, p] \rightarrow 0[q_1, X, q][q, Z_0, p]$

$[q_0, Z_0, q_0] \rightarrow 0[q_1, X, q_0][q_0, Z_0, q_0]$

$[q_0, Z_0, q_1] \rightarrow 0[q_1, X, q_1][q_1, Z_0, q_1]$

$[q_0, Z_0, q_2] \rightarrow 0[q_1, X, q_2][q_2, Z_0, q_2]$

$[q_0, Z_0, q_1] \rightarrow 0[q_1, X, q_0][q_0, Z_0, q_1]$

$[q_0, Z_0, q_2] \rightarrow 0[q_1, X, q_0][q_0, Z_0, q_2]$

$[q_0, Z_0, q_0] \rightarrow 0[q_1, X, q_1][q_1, Z_0, q_0]$

$[q_0, Z_0, q_2] \rightarrow 0[q_1, X, q_1][q_1, Z_0, q_2]$

$[q_0, Z_0, q_0] \rightarrow 0[q_1, X, q_2][q_2, Z_0, q_0]$

$[q_0, Z_0, q_1] \rightarrow 0[q_1, X, q_2][q_2, Z_0, q_1]$

After eliminating the useless stuff (by observation) we get:

$S \rightarrow [q_0, Z_0, q_2] \qquad [q_1, X, q_2] \rightarrow 0 \qquad [q_2, Z_0, q_2] \rightarrow \Lambda$

$[q_1, X, q_2] \rightarrow 1[q_1, X, q_2]$

$[q_0, Z_0, q_2] \rightarrow 0[q_1, X, q_2][q_2, Z_0, q_2]$