Zadanie 6

$G =< \sigma, V, S, P >$
$V = \{S, T\}$
$\sigma = \{0, 1\}$

1.

$L = \{0^n 1^m 0^n | n, m \in N\}$

$$P = \{S \to \epsilon | 0S0 | T, T \to 1T | \epsilon\}$$

2.

$L = \{0^n 1^n 0^m | n, m \in N\}$

$$P = \{S \to \epsilon | S0 | T, T \to 0S1 | \epsilon\}$$

3.

$L = \{0^n 1^m 0^k | n, m \in N\}$

$$P = \{S \to \epsilon | S0 | T, T \to 0S1 | \epsilon\}$$

4.

$L = \{(01)^n 0^{2n} | n \in N\}$

$$P = \{S \to \epsilon | 01S00\}$$

5.

$L =$ { ciągi 01, taka sama liczba zer i jedynek }

$$P = \{S \to \epsilon | 0S1 | 01S | 10S | 1S0 | S01 | S10\}$$

6.

$L =$ { ciągi 01, dwa razy więcej zer niż jedynek }

$$P = \{S \to \epsilon | 00S1 | 001S | 100S | 1S00 | S001 | S100\}$$