Zad. 5

A diagram of a diagram

AI-generated content may be incorrect.d) **L4 = {anbm : 1 ≤ n ≤ m}**

Zad. 7

a) **L1 = {anbmcn+m : n, m > 0}**

S → aPc  
P → aPc | bQc  
Q → bQc | ε

b) **L2 = {anbm : 0 < n < m}**

S → aSbP | abbP  
P → bP | ε

c) **L3 = {anbkcn : n ≥ 0, k ≥ 5}**

S → P | R  
P → bbbbbQ  
R → aRc | P  
Q → b | ε

d) **L4 = {anb2n , n > 0}**

S → aPbb | aSbb  
P → ε