**Lab Task**

clc; clear; close all;

syms z n

% Define Z-domain expressions

X1\_z = z / (z - 0.9);

X2\_z = z / (z + 6);

% Inverse Z-transform to get time-domain signals

x1\_n = iztrans(X1\_z, z, n)

x2\_n = iztrans(X2\_z, z, n)