UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
Department of Electrical and Computer Engineering

ECE 498MH Signal and Image Analysis

Homework 4
Fall 2014

Problem 4.1

$$Y_1 = Y_4 = Y_6 = Y_9 = \frac{1}{4}, \quad Y_0 = Y_2 = Y_3 = Y_5 = Y_7 = Y_8 = 0$$

Problem 4.2

$$Y_1 = Y_5 = \frac{1}{2j}, \quad Y_3 = Y_7 = -\frac{1}{2j}, \quad Y_0 = Y_2 = Y_4 = Y_6 = 0$$