CSE 3313 - Homework #3 – LSI Systems HW

# Causality & Stability

Test the following linear-shift-invarient systems for causality and stability

* 1. Causal
  2. Stable
  3. Non-Causal
  4. Stable
  5. Non-Causal
  6. Stable
  7. Non-Causal
  8. Stable
  9. Non-Causal
  10. Stable
  11. Non-Causal
  12. Stable

# Convolution

Calculate y[n] analytically using convolution. Remember, 𝑥[𝑘] ∗ ℎ[𝑘] = ℎ[𝑘] ∗ 𝑥[𝑘]

1. ,
2. ,
3. ,
4. ,