

Assignment - 2

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Abstract—This document contains the solution to Exercise 2.22(d) of Signals and systems-Oppenheim and shafer.

Problem 1. Given that,

$$h(n) = \begin{cases} 0 & , n < -2 \\ 1 & , n = -2 \\ 2 & , n = -1 \\ 1 & =, n = 0 \\ 5\left(\frac{-1}{2}\right)^n & , n \geq 2 \end{cases} \quad (1)$$

Calculate h(n)

Solution: