## RA Assignment 2

## Sricharan Vinoth Kumar November 9, 2024

## Question 1

## 0.1 Sequence that is Cauchy but not Monotone

Let the sequence be  $\{x_n\}$  st  $x_n = \frac{1}{n} \cos n\pi \,\,\forall \,\, n \in \mathbb{N}$