ECE113, Winter 2023

Digital Signal Processing
University of California, Los Angeles; Department of ECE

Quiz #4
Prof. A. Kadambi
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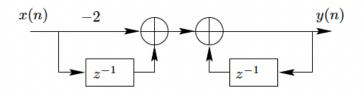
Monday, 23 Jan 2023 10 points total.

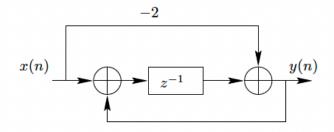
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1. (10 points) Draw the block diagram for the following system:

$$y[n] = y[n-1] + x[n-1] - 2x[n]$$

Solution:





Both of them are correct!

(Note for the slightly different notation: z^{-1} stands for the delay D in our lecture note.)