**Subject: EIE4413 Digital Signal Processing**

**Semester: Semester 2, 2019/2020**

**Quiz 2: Discrete Fourier Transform**

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**A. Question**

A signal x[n] = {2 1 2 0} is shown in the following figure. Determine its spectrum using DFT with N = 4.

0

n

3

x[n]

1

2

2

0

**B. Write your answer using the space below or on the other side of this sheet:**