



Faculty of Engineering and Technology

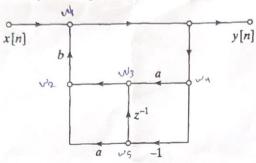
**Electrical and Computer Engineering** 

DSP (Fall 2021) - Quiz (3)

Name: Towel Shannah

ID: 1181404

The flow graph shown in the following figure is noncomputable; i.e. it is not possible to compute the output using the difference equations represented by the flow graph because it contains a closed loop having no delay elements.



a) Write the difference equations for this system, and from them, find the system function, H(z), of the network.

b) From the system function, obtain a flow graph that is computable.

SENJ = WIEN3 -6 SENJ =

N) XCH3 0-> 0 DEN3

Direct Form I