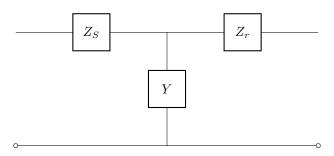
Assignment 1

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1 Problem 1: Find the ABCD parameters of the network below



$$V_i = AV_o + BI_o$$
$$I_i = CV_o + DI_o$$

The receiving end is open-circuited meaning the receiving end current $I_o=0$.

$$V_i = I_s(Z_s + Y)$$

$$V_o = I_S\left(\frac{Y}{Y + Z_s}\right) \ by \ voltage \ division$$

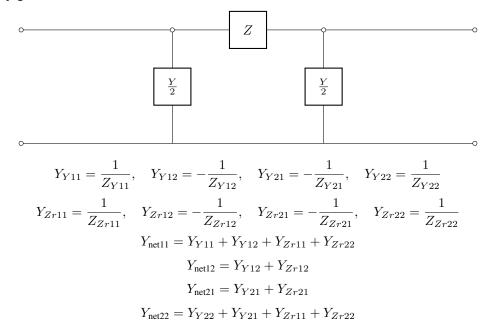
$$\frac{V_i}{V_o} = Y$$

$$V_i = YV_o$$

$$A = Y, B = 0$$

2 Problem 2: Find the y parameters and ABCD parameters of the network below

2.1 y parameters



2.2 ABCD parameters

