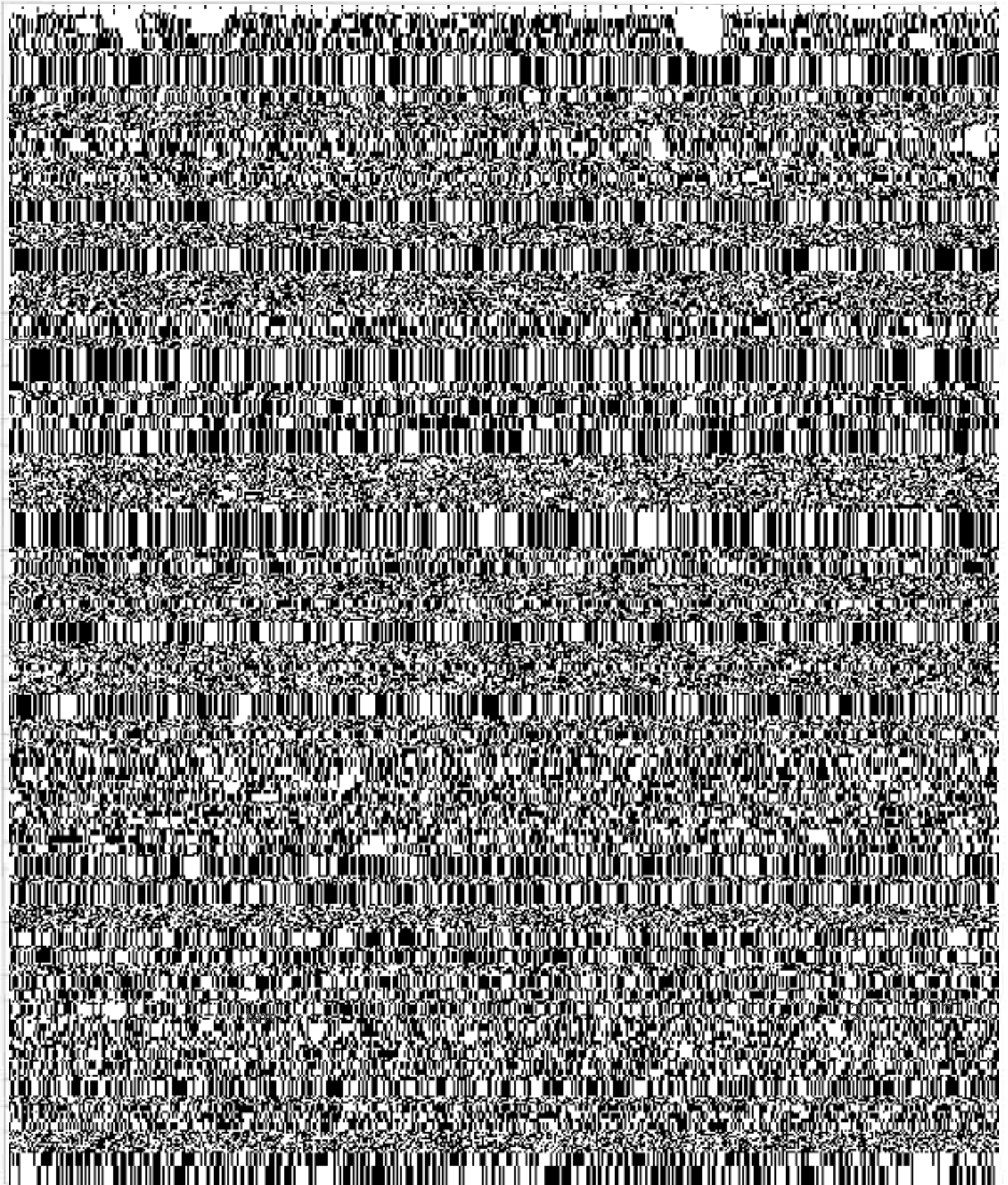




	B) Determine the phase velocity, attenuation constant, phase constant and intrinsic impedance for a forward travelling wave in a large block of copper at 1 MHz. ($\sigma = 5.8 \times 10^7$, $\epsilon_r = \mu_r = 1$).	5M		
17	Derive secondary constants of Transmission line in terms of primary constants.	10M	4	L2
	OR			
18	Derive an expression of V and I for Transmission line.	10M	4	L2
19	Determine the input impedance for $\lambda/2$, $\lambda/4$ and $\lambda/8$ lines impedance transformations.	10M	5	L2
	OR			
20	What is single stub matching? Find the length and location of the single stub to avoid the reflections from the load end.	10M	5	L2