 

**T.C.**

**MARMARA UNIVERSITY**

**FACULTY of ENGINEERING**

**COMPUTER ENGINEERING DEPARTMENT**

CSE 4084 – Multimedia Systems Homework III Report

**Cem GÜLEÇ - 150117828**

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**Problem1**:

Only lacking part of the problem was to come up with an ISNR formulation and applying it to different threshold values. It is a measure used to compare the level of a desired signal to the level of background noise.

Formulation is defined as , where power of a signal is the meaningful input and power of the noise is unwanted input.  
  
And if we go deep down into the details:   
and .

*Results*:   
  
In problem it was requested to try with 0.5 threshold values. But, I applied to other cases too. Below the results are shown as follows:

  
  
