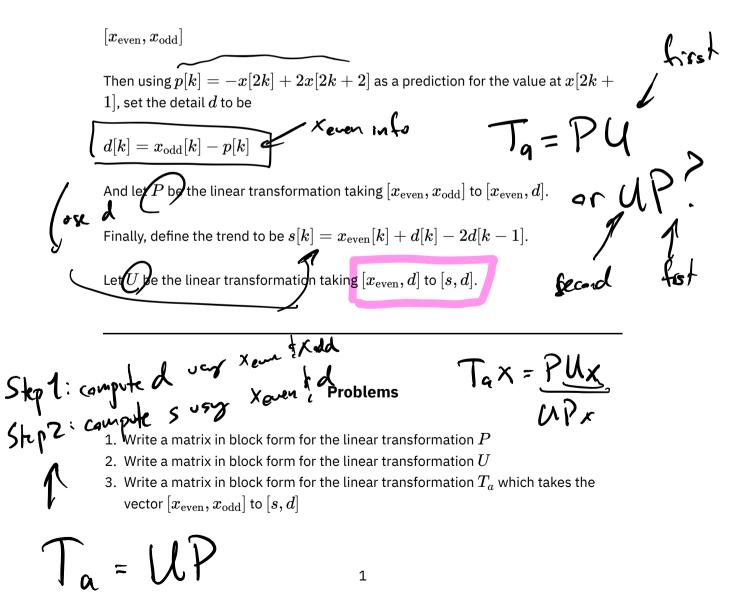
Applied Algebra Worksheet for lecture 16

Comments, questions and feedback due before class on Monday, April 6 (before 7am).

Completed worksheets due on Thursday, April 9.

Consider the potential wavelet transformation given by the following steps:

Start by breaking up your signal into even and odd parts



4. Give an explicit presentation for this matrix in the case N=4

$$\mathcal{U} = \begin{bmatrix} \mathbf{I} & (\mathbf{I} - 2\mathbf{S}) \\ \mathbf{G} & \mathbf{I} \end{bmatrix}$$