

EECE 233 Fall 2013

Dec. 4 Tue.

Q.1. Given $\underline{y} \rightarrow$ 2x downsampled vector $\rightarrow$ play

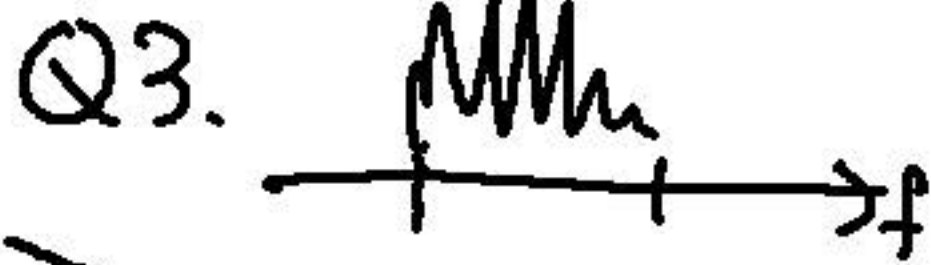
playing time $\leftarrow$ 1. increased

2. same

3. decreased

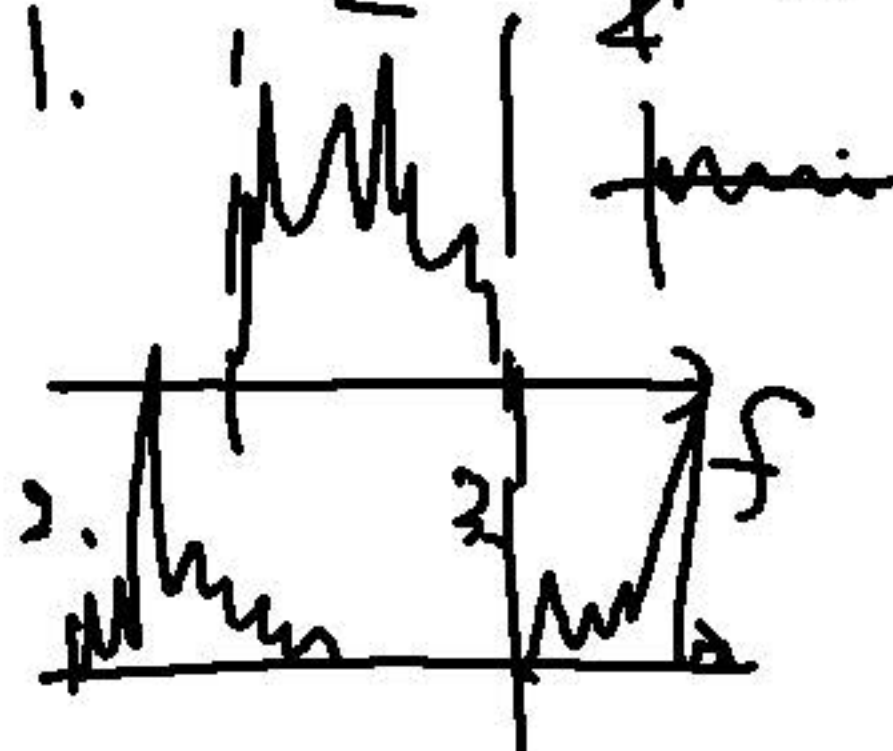
Q.2. $\leftarrow$ 1. faster
2. same
3. slower

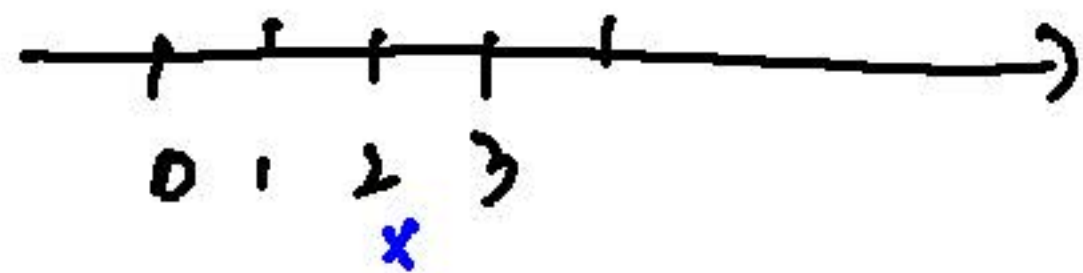
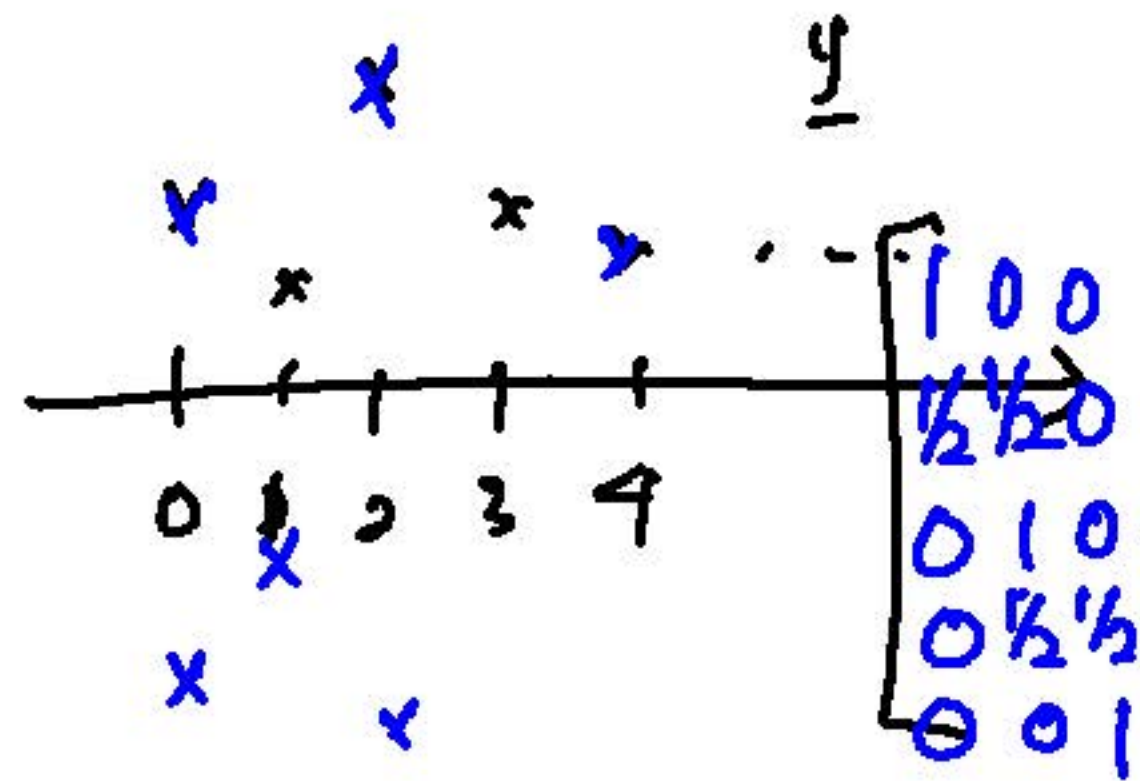
$\leftarrow$ TD



FD

Expanded
4





$$\frac{y_1(1:2000) + y_2(2:2000)}{2}$$

$$\begin{bmatrix} y_1 \\ y_2 \\ y_3 \end{bmatrix} = \begin{bmatrix} y_1 \\ \frac{y_1 + y_2}{2} \\ y_2 \\ \frac{y_2 + y_3}{2} \\ y_3 \\ \vdots \end{bmatrix}$$

