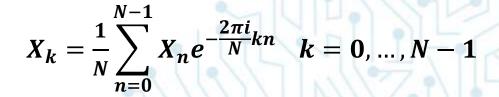
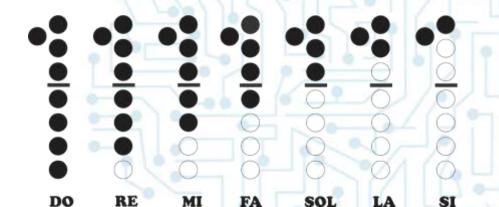
TRANSFORMADA DISCRETA DE **FOURIER**









FA

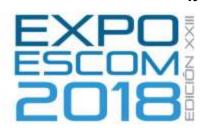
SOL

| NOTA | FRECUENCIA |
|------|------------|
| DO | 523 |
| RE | 587 |
| MI | 659 |
| FA | 704 |
| SOL | 784 |
| LA | 880 |
| SI | 980 |

$$Re(X_k) = \frac{1}{N} \sum_{n=0}^{N-1} X_n cos\left(\frac{2\pi}{N}kn\right)$$

MI

$$Im(X_k) = -\frac{1}{N} \sum_{n=0}^{N-1} X_n sen\left(\frac{2\pi}{N}kn\right)$$



DO

$$k=0,\ldots,N-1$$

