A square wave is made of infinite amount of sine waves which have odd harmonics frequency of the original square wave (using Fourier expansion). These sine waves are actually what we hear. The harmonics frequency can be calculated by fharmonic = nfsquare. fsquare is the frequency of the original square wave and n is the nth harmonics (which can only be odd, for example, 1, 3, 5, 7, 9,…). Human can hear from 20Hz to 20kHz.

The first row represents the name of the note of original square wave. The values in the cells are calculated in Hz. Each columns contains all the frequencies of sine waves that is hearable and constitutes the original square wave of each note (odd harmonics as I said above). The cells that don’t have value means that it cannot be heard.

