

ПОИСК НОТЫ

```
private func updateNoteNumber() {
    var nextElement = Tuner.maxNoteNumber
    var prevElement = Tuner.minNoteNumber
    var currElement = nextElement / 2

    if frequency < Tuner.noteFrequencies[Tuner.minNoteNumber] {
        noteNumber = Tuner.minNoteNumber
    }

    if frequency > Tuner.noteFrequencies[nextElement] {
        noteNumber = nextElement
    }

    while ( nextElement - prevElement > 1 ) {
        if frequency > Tuner.noteFrequencies[currElement] {
            prevElement = currElement
        } else {
            nextElement = currElement
        }

        currElement = prevElement + (nextElement - prevElement) / 2
    }

    let prevElementInterval = -Tuner.noteFrequencies[prevElement] + frequency
    let nextElementInterval = Tuner.noteFrequencies[nextElement] - frequency

    noteNumber = prevElementInterval > nextElementInterval ? nextElement : prevElement
}
```


Вопросы

