Music Note Spreadsheet - Project 3

```
Struct note {Frequency, Duration}
Twinkle twinkle little star
CC GG A A G,
FF EE D D C,
GG FF E E D,
GG FF E E D,
CC GG A A G,
FF EE D D C
freq[note.frequency]
Note.frequency
                        freq
A = 0
                        220
B = 2
                        246
C = 3
                        261
D = 5
                        293
E = 7
                        329
F = 8
                        349
G = 10
                       391
//Struct for frequency and duration
struct note{
        int freq;
        int duration;
};
int myDurations[3] = \{1,2,4\};
int TotalDuration = 200;
int currentNote = 0;
float ThTlConst = 1.0;
//We did twinkle twinkle little star
struct note mySong[] = \{ \{3,1\}, \{3,1\}, \{10,1\}, \{10,1\}, \{0,1\}, \{0,1\}, \{10,0\}, 
\{8,1\}, \{8,1\}, \{7,1\}, \{7,1\}, \{5,1\}, \{5,1\}, \{3,0\},
\{10,1\}, \{10,1\}, \{8,1\}, \{8,1\}, \{7,1\}, \{7,1\}, \{5,0\},
\{10,1\}, \{10,1\}, \{8,1\}, \{8,1\}, \{7,1\}, \{7,1\}, \{5,0\},
\{3,1\}, \{3,1\}, \{10,1\}, \{10,1\}, \{0,1\}, \{0,1\}, \{10,0\},
\{8,1\}, \{8,1\}, \{7,1\}, \{7,1\}, \{5,1\}, \{5,1\}, \{3,0\} \};
int F[12] = \{220, 233, 246, 261, 277, 293, 311, 329, 349, 369, 391, 415\};
char myKeypad[17] = {'1', '2', '3', 'A', '4', '5', '6', 'B', '7', '8', '9', 'C','*', '0', '#',
'D'};
int freq[TOTAL_NOTES] = {220, 233, 246, 261, 277, 293, 311, 329, 349, 369, 391, 415};
                                 A# B
                                           C
                                                 C# D
                                                                 E
                                                                       F
                            Α
                                                            D#
                                                                             F#
                            0
                                 1
                                       2
                                            3
                                                  4
                                                       5
                                                             6
                                                                        8
                                                                                        11
                                                                                  10
```