

checkPitch.ly

checkPitch.ly is a set of 4 functions to check or modify the pitch range in a piece of music.

```
\correctOctave  
\correctOctaveOutOfRange  
\colorizeOutOfRange  
\parenthesizeOutOfRange
```

Here is the code of each Staff below :

```
\music                                     % staff 1  
\correctOctave #'above g'' \music          % staff 2  
\correctOctave #'below g' \music           % staff 3  
\correctOctaveOutOfRange g' g'' \music     % staff 4  
\colorizeOutOfRange g' g'' \music         % staff 5  
\parenthesizeOutOfRange g' g'' \music     % staff 6
```

The image displays a musical score with six staves, numbered 1 through 6 on the left. Each staff begins with a treble clef and a common time signature 'C'. The melody consists of a series of eighth and quarter notes. Staff 1 shows the original melody. Staff 2 shows the result of the `\correctOctave #'above g''` function, with notes above G'' corrected down. Staff 3 shows the result of the `\correctOctave #'below g'` function, with notes below G' corrected up. Staff 4 shows the result of the `\correctOctaveOutOfRange g' g''` function, with notes outside the G'-G'' range corrected to the range. Staff 5 shows the result of the `\colorizeOutOfRange g' g''` function, with notes outside the range colored red. Staff 6 shows the result of the `\parenthesizeOutOfRange g' g''` function, with notes outside the range enclosed in parentheses.