



Thierry Chauve

France, Chaulgnes

Méthode de musique sérielle tonale (avec programme informatique)

A propos de l'artiste

J'ai étudié la guitare, le piano, le chant et le violon dans diverses écoles de musique, le solfège au conservatoire et l'écriture musicale à l'université de musique.

Qualification : Bac B. Bac S. Licence 3^è année de philosophie. Licence 3^è année de musique. BTS informatique industrielle. Solfège, fin études au Conservatoire. 25 certificats universitaires musique, commerce, économie, sciences, langues, philosophie. CAPES de mathématiques.

Page artiste : https://www.free-scores.com/partitions_gratuites_thierry-chauve.htm

A propos de la pièce



Titre : Méthode de musique sérielle tonale [avec programme informatique]
Compositeur : Chauve, Thierry
Arrangeur : Chauve, Thierry
Droit d'auteur : Thierry Chauve © All rights reserved
Editeur : Chauve, Thierry
Instrumentation : Théorie de la musique
Style : Methodes

Thierry Chauve sur [free-scores.com](https://www.free-scores.com)

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Algorithmes en PHP pour calculer des séries d'intervalles par Thierry Chauve.

Le programme est constitué de deux pages index.php et traitement.php (les deux pages peuvent être créées dans Wordpad (enregistrer sous index.php et traitement.php)).

Un serveur PHP comme Uwamp permet d'interpréter le programme dans un navigateur.

Mettre les pages index.php et traitement.php dans le dossier www de Uwamp. Une fois le serveur lancé, taper <http://localhost/index.php> dans la barre d'adresse du navigateur.

Saisir les intervalles dans les deux Textarea du formulaire (aigus et graves). Bien penser à mettre un espace entre chaque série. Exemple de série :

Aigus : 2M 3m 5 4+ 2M 3m 5 7m 2M 3m 5 4+ 2M 3m 5 7m 2M 3m 5 4+ 2M 3m 5 4+...

(j'ai mis ici une inflexion une fois sur deux, 7m à la place de 4+)

Graves : 4 5+ 3m 6 4 5+ 3m 6 4 7M 3m 6 4 5+ 3m 6 4 5+ 3m 6 4 7M 3m 6 (j'ai mis ici une inflexion une fois sur 3, 7M à la place de 5+).

Le programme calcule alors les notes des deux voix à partir de deux notes initiales.

Une fois qu'on a les deux voix données par la page de traitement, on peut créer une harmonisation tonale de ces deux voix après avoir affecté un rythme à deux voix à ces deux niveaux de série (se référer à ma méthode « Précis de théorie musicale » pour les harmonisations tonales modernes).

Page index.php :

```
<?php
```

```
echo "<form method=post action=traitement.php>
```

```
Note de d'acute;part des aigus ; Notation internationale (1) :
```

```
<input type=text name=noteA><br><br>
```

```
Note de d'acute;part des graves ; Notation internationale (1) :
```

```
<input type=text name=noteG><br><br>
```

```
Saisir les intervalles de votre s'acute;rie pour les aigus ; voir liste des intervalles possibles
```

```
(2) :<br>
```

```
<TEXTAREA name=intervalle1 rows=4 COLS=50></TEXTAREA>
```

```
<br>
```

```
<br>
```

```
Saisir les intervalles de votre s'acute;rie pour les graves ; voir liste des intervalles
```



```

if($stab1[$i] == "2M" AND $noteA == "A"){
$stab1[$i] = "B";
$noteA = "B";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3m" AND $noteA == "A"){
$stab1[$i] = "C";
$noteA = "C";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3M" AND $noteA == "A"){
$stab1[$i] = "C#";
$noteA = "C#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4" AND $noteA == "A"){
$stab1[$i] = "D";
$noteA = "D";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4+" AND $noteA == "A"){
$stab1[$i] = "D#";
$noteA = "D#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5" AND $noteA == "A"){
$stab1[$i] = "E";
$noteA = "E";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5+" AND $noteA == "A"){
$stab1[$i] = "F";
$noteA = "F";
echo $stab1[$i] . "&nbsp;";
}

if($stab1[$i] == "6" AND $noteA == "A"){
$stab1[$i] = "F#";
$noteA = "F#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "7m" AND $noteA == "A"){

```

```

$tab1[$i] = "G";
$noteA = "G";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "7M" AND $noteA == "A"){
$tab1[$i] = "G#";
$noteA = "G#";
echo $tab1[$i] . "&nbsp;";
}
//
if($tab1[$i] == "2m" AND $noteA == "A#"){
$tab1[$i] = "B";
$noteA = "B";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "2M" AND $noteA == "A#"){
$tab1[$i] = "C";
$noteA = "C";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "3m" AND $noteA == "A#"){
$tab1[$i] = "C#";
$noteA = "C#";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "3M" AND $noteA == "A#"){
$tab1[$i] = "D";
$noteA = "D";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "4" AND $noteA == "A#"){
$tab1[$i] = "D#";
$noteA = "D#";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "4+" AND $noteA == "A#"){
$tab1[$i] = "E";
$noteA = "E";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "5" AND $noteA == "A#"){
$tab1[$i] = "F";

```

```

$noteA = "F";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "5+" AND $noteA == "A#"){
$tab1[$i] = "F#";
$noteA = "F#";
echo $tab1[$i] . "&nbsp;";
}

if($tab1[$i] == "6" AND $noteA == "A#"){
$tab1[$i] = "G";
$noteA = "G";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "7m" AND $noteA == "A#"){
$tab1[$i] = "G#";
$noteA = "G#";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "7M" AND $noteA == "A#"){
$tab1[$i] = "A";
$noteA = "A";
echo $tab1[$i] . "&nbsp;";
}
//
if($tab1[$i] == "2m" AND $noteA == "B"){
$tab1[$i] = "C";
$noteA = "C";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "2M" AND $noteA == "B"){
$tab1[$i] = "C#";
$noteA = "C#";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "3m" AND $noteA == "B"){
$tab1[$i] = "D";
$noteA = "D";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "3M" AND $noteA == "B"){
$tab1[$i] = "D#";
}

```

```

$noteA = "D#";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "4" AND $noteA == "B"){
$tab1[$i] = "E";
$noteA = "E";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "4+" AND $noteA == "B"){
$tab1[$i] = "F";
$noteA = "F";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "5" AND $noteA == "B"){
$tab1[$i] = "F#";
$noteA = "F#";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "5+" AND $noteA == "B"){
$tab1[$i] = "G";
$noteA = "G";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "6" AND $noteA == "B"){
$tab1[$i] = "G#";
$noteA = "G#";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "7m" AND $noteA == "B"){
$tab1[$i] = "A";
$noteA = "A";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "7M" AND $noteA == "B"){
$tab1[$i] = "A#";
$noteA = "A#";
echo $tab1[$i] . "&nbsp;";
}
//
if($tab1[$i] == "2m" AND $noteA == "C"){
$tab1[$i] = "C#";
$noteA = "C#";
}

```

```

echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "2M" AND $noteA == "C"){
$stab1[$i] = "D";
$noteA = "D";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3m" AND $noteA == "C"){
$stab1[$i] = "D#";
$noteA = "D#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3M" AND $noteA == "C"){
$stab1[$i] = "E";
$noteA = "E";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4" AND $noteA == "C"){
$stab1[$i] = "F";
$noteA = "F";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4+" AND $noteA == "C"){
$stab1[$i] = "F#";
$noteA = "F#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5" AND $noteA == "C"){
$stab1[$i] = "G";
$noteA = "G";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5+" AND $noteA == "C"){
$stab1[$i] = "G#";
$noteA = "G#";
echo $stab1[$i] . "&nbsp;";
}

if($stab1[$i] == "6" AND $noteA == "C"){
$stab1[$i] = "A";
$noteA = "A";
echo $stab1[$i] . "&nbsp;";

```

:


```

}
if($stab1[$i] == "7m" AND $noteA == "C"){
$stab1[$i] = "A#";
$noteA = "A#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "7M" AND $noteA == "C"){
$stab1[$i] = "B";
$noteA = "B";
echo $stab1[$i] . "&nbsp;";
}
//
if($stab1[$i] == "2m" AND $noteA == "C#"){
$stab1[$i] = "D";
$noteA = "D";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "2M" AND $noteA == "C#"){
$stab1[$i] = "D#";
$noteA = "D#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3m" AND $noteA == "C#"){
$stab1[$i] = "E";
$noteA = "E";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3M" AND $noteA == "C#"){
$stab1[$i] = "F";
$noteA = "F";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4" AND $noteA == "C#"){
$stab1[$i] = "F#";
$noteA = "F#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4+" AND $noteA == "C#"){
$stab1[$i] = "G";
$noteA = "G";
echo $stab1[$i] . "&nbsp;";
}
}

```

```

if($stab1[$i] == "5" AND $noteA == "C#"){
$stab1[$i] = "G#";
$noteA = "G#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5+" AND $noteA == "C#"){
$stab1[$i] = "A";
$noteA = "A";
echo $stab1[$i] . "&nbsp;";
}

if($stab1[$i] == "6" AND $noteA == "C#"){
$stab1[$i] = "A#";
$noteA = "A#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "7m" AND $noteA == "C#"){
$stab1[$i] = "B";
$noteA = "B";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "7M" AND $noteA == "C#"){
$stab1[$i] = "C";
$noteA = "C";
echo $stab1[$i] . "&nbsp;";
}
//
if($stab1[$i] == "2m" AND $noteA == "D"){
$stab1[$i] = "D#";
$noteA = "D#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "2M" AND $noteA == "D"){
$stab1[$i] = "E";
$noteA = "E";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3m" AND $noteA == "D"){
$stab1[$i] = "F";
$noteA = "F";
echo $stab1[$i] . "&nbsp;";
}
}

```

```

if($stab1[$i] == "3M" AND $noteA == "D"){
$stab1[$i] = "F#";
$noteA = "F#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4" AND $noteA == "D"){
$stab1[$i] = "G";
$noteA = "G";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4+" AND $noteA == "D"){
$stab1[$i] = "G#";
$noteA = "G#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5" AND $noteA == "D"){
$stab1[$i] = "A";
$noteA = "A";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5+" AND $noteA == "D"){
$stab1[$i] = "A#";
$noteA = "A#";
echo $stab1[$i] . "&nbsp;";
}

if($stab1[$i] == "6" AND $noteA == "D"){
$stab1[$i] = "B";
$noteA = "B";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "7m" AND $noteA == "D"){
$stab1[$i] = "C";
$noteA = "C";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "7M" AND $noteA == "D"){
$stab1[$i] = "C#";
$noteA = "C#";
echo $stab1[$i] . "&nbsp;";
}
//

```

```

if($stab1[$i] == "2m" AND $noteA == "D#"){
$stab1[$i] = "E";
$noteA = "E";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "2M" AND $noteA == "D#"){
$stab1[$i] = "F";
$noteA = "F";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3m" AND $noteA == "D#"){
$stab1[$i] = "F#";
$noteA = "F#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3M" AND $noteA == "D#"){
$stab1[$i] = "G";
$noteA = "G";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4" AND $noteA == "D#"){
$stab1[$i] = "G#";
$noteA = "G#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4+" AND $noteA == "D#"){
$stab1[$i] = "A";
$noteA = "A";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5" AND $noteA == "D#"){
$stab1[$i] = "A#";
$noteA = "A#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5+" AND $noteA == "D#"){
$stab1[$i] = "B";
$noteA = "B";
echo $stab1[$i] . "&nbsp;";
}

if($stab1[$i] == "6" AND $noteA == "D#"){

```

```

$stab1[$i] = "C";
$noteA = "C";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "7m" AND $noteA == "D#"){
$stab1[$i] = "C#";
$noteA = "C#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "7M" AND $noteA == "D#"){
$stab1[$i] = "D";
$noteA = "D";
echo $stab1[$i] . "&nbsp;";
}
//
if($stab1[$i] == "2m" AND $noteA == "E"){
$stab1[$i] = "F";
$noteA = "F";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "2M" AND $noteA == "E"){
$stab1[$i] = "F#";
$noteA = "F#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3m" AND $noteA == "E"){
$stab1[$i] = "G";
$noteA = "G";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3M" AND $noteA == "E"){
$stab1[$i] = "G#";
$noteA = "G#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4" AND $noteA == "E"){
$stab1[$i] = "A";
$noteA = "A";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4+" AND $noteA == "E"){
$stab1[$i] = "A#";
}

```

```

$noteA = "A#";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "5" AND $noteA == "E"){
$tab1[$i] = "B";
$noteA = "B";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "5+" AND $noteA == "E"){
$tab1[$i] = "C";
$noteA = "C";
echo $tab1[$i] . "&nbsp;";
}

if($tab1[$i] == "6" AND $noteA == "E"){
$tab1[$i] = "C#";
$noteA = "C#";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "7m" AND $noteA == "E"){
$tab1[$i] = "D";
$noteA = "D";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "7M" AND $noteA == "E"){
$tab1[$i] = "D#";
$noteA = "D#";
echo $tab1[$i] . "&nbsp;";
}
//
if($tab1[$i] == "2m" AND $noteA == "F"){
$tab1[$i] = "F#";
$noteA = "F#";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "2M" AND $noteA == "F"){
$tab1[$i] = "G";
$noteA = "G";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "3m" AND $noteA == "F"){
$tab1[$i] = "G#";

```

```

$noteA = "G#";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "3M" AND $noteA == "F"){
$tab1[$i] = "A";
$noteA = "A";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "4" AND $noteA == "F"){
$tab1[$i] = "A#";
$noteA = "A#";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "4+" AND $noteA == "F"){
$tab1[$i] = "B";
$noteA = "B";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "5" AND $noteA == "F"){
$tab1[$i] = "C";
$noteA = "C";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "5+" AND $noteA == "F"){
$tab1[$i] = "C#";
$noteA = "C#";
echo $tab1[$i] . "&nbsp;";
}

if($tab1[$i] == "6" AND $noteA == "F"){
$tab1[$i] = "D";
$noteA = "D";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "7m" AND $noteA == "F"){
$tab1[$i] = "D#";
$noteA = "D#";
echo $tab1[$i] . "&nbsp;";
}
if($tab1[$i] == "7M" AND $noteA == "F"){
$tab1[$i] = "E";
$noteA = "E";
}

```

```

echo $stab1[$i] . "&nbsp;";
}
//
if($stab1[$i] == "2m" AND $noteA == "F#"){
$stab1[$i] = "G";
$noteA = "G";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "2M" AND $noteA == "F#"){
$stab1[$i] = "G#";
$noteA = "G#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3m" AND $noteA == "F#"){
$stab1[$i] = "A";
$noteA = "A";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3M" AND $noteA == "F#"){
$stab1[$i] = "A#";
$noteA = "A#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4" AND $noteA == "F#"){
$stab1[$i] = "B";
$noteA = "B";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4+" AND $noteA == "F#"){
$stab1[$i] = "C";
$noteA = "C";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5" AND $noteA == "F#"){
$stab1[$i] = "C#";
$noteA = "C#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5+" AND $noteA == "F#"){
$stab1[$i] = "D";
$noteA = "D";
echo $stab1[$i] . "&nbsp;";
}

```



```

}

if($stab1[$i] == "6" AND $noteA == "F#"){
$stab1[$i] = "D#";
$noteA = "D#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "7m" AND $noteA == "F#"){
$stab1[$i] = "E";
$noteA = "E";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "7M" AND $noteA == "F#"){
$stab1[$i] = "F";
$noteA = "F";
echo $stab1[$i] . "&nbsp;";
}
//
if($stab1[$i] == "2m" AND $noteA == "G"){
$stab1[$i] = "G#";
$noteA = "G#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "2M" AND $noteA == "G"){
$stab1[$i] = "A";
$noteA = "A";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3m" AND $noteA == "G"){
$stab1[$i] = "A#";
$noteA = "A#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3M" AND $noteA == "G"){
$stab1[$i] = "B";
$noteA = "B";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4" AND $noteA == "G"){
$stab1[$i] = "C";
$noteA = "C";
echo $stab1[$i] . "&nbsp;";
}

```

```

}
if($stab1[$i] == "4+" AND $noteA == "G"){
$stab1[$i] = "C#";
$noteA = "C#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5" AND $noteA == "G"){
$stab1[$i] = "D";
$noteA = "D";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5+" AND $noteA == "G"){
$stab1[$i] = "D#";
$noteA = "D#";
echo $stab1[$i] . "&nbsp;";
}

if($stab1[$i] == "6" AND $noteA == "G"){
$stab1[$i] = "E";
$noteA = "E";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "7m" AND $noteA == "G"){
$stab1[$i] = "F";
$noteA = "F";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "7M" AND $noteA == "G"){
$stab1[$i] = "G#";
$noteA = "G#";
echo $stab1[$i] . "&nbsp;";
}
//
if($stab1[$i] == "2m" AND $noteA == "G#"){
$stab1[$i] = "A";
$noteA = "A";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "2M" AND $noteA == "G#"){
$stab1[$i] = "A#";
$noteA = "A#";
echo $stab1[$i] . "&nbsp;";
}

```

```

}
if($stab1[$i] == "3m" AND $noteA == "G#"){
$stab1[$i] = "B";
$noteA = "B";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "3M" AND $noteA == "G#"){
$stab1[$i] = "C";
$noteA = "C";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4" AND $noteA == "G#"){
$stab1[$i] = "C#";
$noteA = "C#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "4+" AND $noteA == "G#"){
$stab1[$i] = "D";
$noteA = "D";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5" AND $noteA == "G#"){
$stab1[$i] = "D#";
$noteA = "D#";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "5+" AND $noteA == "G#"){
$stab1[$i] = "E";
$noteA = "E";
echo $stab1[$i] . "&nbsp;";
}
}

if($stab1[$i] == "6" AND $noteA == "G#"){
$stab1[$i] = "F";
$noteA = "F";
echo $stab1[$i] . "&nbsp;";
}
if($stab1[$i] == "7m" AND $noteA == "G#"){
$stab1[$i] = "F#";
$noteA = "F#";
echo $stab1[$i] . "&nbsp;";
}
}

```

```

if($stab1[$i] == "7M" AND $noteA == "G#"){
$stab1[$i] = "G";
$noteA = "G";
echo $stab1[$i] . "&nbsp;";
}
}
echo "<br><br>Calcul des graves :<br>";
////////Graves
for($i=0;$i<$tailletab2;$i++) {
if($stab2[$i] == "2m" AND $noteG == "A"){
$stab2[$i] = "A#";
$noteG = "A#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "2M" AND $noteG == "A"){
$stab2[$i] = "B";
$noteG = "B";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3m" AND $noteG == "A"){
$stab2[$i] = "C";
$noteG = "C";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3M" AND $noteG == "A"){
$stab2[$i] = "C#";
$noteG = "C#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4" AND $noteG == "A"){
$stab2[$i] = "D";
$noteG = "D";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4+" AND $noteG == "A"){
$stab2[$i] = "D#";
$noteG = "D#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5" AND $noteG == "A"){
$stab2[$i] = "E";
$noteG = "E";
}
}

```

```

echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5+" AND $noteG == "A"){
$stab2[$i] = "F";
$noteG = "F";
echo $stab2[$i] . "&nbsp;";
}

if($stab2[$i] == "6" AND $noteG == "A"){
$stab2[$i] = "F#";
$noteG = "F#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7m" AND $noteG == "A"){
$stab2[$i] = "G";
$noteG = "G";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7M" AND $noteG == "A"){
$stab2[$i] = "G#";
$noteG = "G#";
echo $stab2[$i] . "&nbsp;";
}

if($stab2[$i] == "2m" AND $noteG == "A#"){
$stab2[$i] = "B";
$noteG = "B";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "2M" AND $noteG == "A#"){
$stab2[$i] = "C";
$noteG = "C";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3m" AND $noteG == "A#"){
$stab2[$i] = "C#";
$noteG = "C#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3M" AND $noteG == "A#"){
$stab2[$i] = "D";
}

```

```

$noteG = "D";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4" AND $noteG == "A#"){
$stab2[$i] = "D#";
$noteG = "D#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4+" AND $noteG == "A#"){
$stab2[$i] = "E";
$noteG = "E";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5" AND $noteG == "A#"){
$stab2[$i] = "F";
$noteG = "F";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5+" AND $noteG == "A#"){
$stab2[$i] = "F#";
$noteG = "F#";
echo $stab2[$i] . "&nbsp;";
}

if($stab2[$i] == "6" AND $noteG == "A#"){
$stab2[$i] = "G";
$noteG = "G";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7m" AND $noteG == "A#"){
$stab2[$i] = "G#";
$noteG = "G#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7M" AND $noteG == "A#"){
$stab2[$i] = "A";
$noteG = "A";
echo $stab2[$i] . "&nbsp;";
}
//
if($stab2[$i] == "2m" AND $noteG == "B"){
$stab2[$i] = "C";

```

```

$noteG = "C";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "2M" AND $noteG == "B"){
$tab2[$i] = "C#";
$noteG = "C#";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "3m" AND $noteG == "B"){
$tab2[$i] = "D";
$noteG = "D";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "3M" AND $noteG == "B"){
$tab2[$i] = "D#";
$noteG = "D#";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "4" AND $noteG == "B"){
$tab2[$i] = "E";
$noteG = "E";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "4+" AND $noteG == "B"){
$tab2[$i] = "F";
$noteG = "F";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "5" AND $noteG == "B"){
$tab2[$i] = "F#";
$noteG = "F#";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "5+" AND $noteG == "B"){
$tab2[$i] = "G";
$noteG = "G";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "6" AND $noteG == "B"){
$tab2[$i] = "G#";
$noteG = "G#";
echo $tab2[$i] . "&nbsp;";
}

```

```

}
if($stab2[$i] == "7m" AND $noteG == "B"){
$stab2[$i] = "A";
$noteG = "A";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7M" AND $noteG == "B"){
$stab2[$i] = "A#";
$noteG = "A#";
echo $stab2[$i] . "&nbsp;";
}
//
if($stab2[$i] == "2m" AND $noteG == "C"){
$stab2[$i] = "C#";
$noteG = "C#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "2M" AND $noteG == "C"){
$stab2[$i] = "D";
$noteG = "D";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3m" AND $noteG == "C"){
$stab2[$i] = "D#";
$noteG = "D#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3M" AND $noteG == "C"){
$stab2[$i] = "E";
$noteG = "E";
echo $stab2[$i] . "&nbsp;";
}
}

if($stab2[$i] == "4" AND $noteG == "C"){
$stab2[$i] = "F";
$noteG = "F";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4+" AND $noteG == "C"){
$stab2[$i] = "F#";
$noteG = "F#";
echo $stab2[$i] . "&nbsp;";
}

```



```

}
if($stab2[$i] == "5" AND $noteG == "C"){
$stab2[$i] = "G";
$noteG = "G";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5+" AND $noteG == "C"){
$stab2[$i] = "G#";
$noteG = "G#";
echo $stab2[$i] . "&nbsp;";
}

if($stab2[$i] == "6" AND $noteG == "C"){
$stab2[$i] = "A";
$noteG = "A";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7m" AND $noteG == "C"){
$stab2[$i] = "A#";
$noteG = "A#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7M" AND $noteG == "C"){
$stab2[$i] = "B";
$noteG = "B";
echo $stab2[$i] . "&nbsp;";
}
//
if($stab2[$i] == "2m" AND $noteG == "C#"){
$stab2[$i] = "D";
$noteG = "D";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "2M" AND $noteG == "C#"){
$stab2[$i] = "D#";
$noteG = "D#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3m" AND $noteG == "C#"){
$stab2[$i] = "E";
$noteG = "E";
echo $stab2[$i] . "&nbsp;";
}

```

```

}
if($stab2[$i] == "3M" AND $noteG == "C#"){
$stab2[$i] = "F";
$noteG = "F";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4" AND $noteG == "C#"){
$stab2[$i] = "F#";
$noteG = "F#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4+" AND $noteG == "C#"){
$stab2[$i] = "G";
$noteG = "G";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5" AND $noteG == "C#"){
$stab2[$i] = "G#";
$noteG = "G#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5+" AND $noteG == "C#"){
$stab2[$i] = "A";
$noteG = "A";
echo $stab2[$i] . "&nbsp;";
}
}

if($stab2[$i] == "6" AND $noteG == "C#"){
$stab2[$i] = "A#";
$noteG = "A#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7m" AND $noteG == "C#"){
$stab2[$i] = "B";
$noteG = "B";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7M" AND $noteG == "C#"){
$stab2[$i] = "C";
$noteG = "C";
echo $stab2[$i] . "&nbsp;";
}
}

```

```

//
if($stab2[$i] == "2m" AND $noteG == "D"){
$stab2[$i] = "D#";
$noteG = "D#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "2M" AND $noteG == "D"){
$stab2[$i] = "E";
$noteG = "E";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3m" AND $noteG == "D"){
$stab2[$i] = "F";
$noteG = "F";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3M" AND $noteG == "D"){
$stab2[$i] = "F#";
$noteG = "F#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4" AND $noteG == "D"){
$stab2[$i] = "G";
$noteG = "G";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4+" AND $noteG == "D"){
$stab2[$i] = "G#";
$noteG = "G#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5" AND $noteG == "D"){
$stab2[$i] = "A";
$noteG = "A";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5+" AND $noteG == "D"){
$stab2[$i] = "A#";
$noteG = "A#";
echo $stab2[$i] . "&nbsp;";
}
}

```

```

if($stab2[$i] == "6" AND $noteG == "D"){
$stab2[$i] = "B";
$noteG = "B";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7m" AND $noteG == "D"){
$stab2[$i] = "C";
$noteG = "C";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7M" AND $noteG == "D"){
$stab2[$i] = "C#";
$noteG = "C#";
echo $stab2[$i] . "&nbsp;";
}
//
if($stab2[$i] == "2m" AND $noteG == "D#"){
$stab2[$i] = "E";
$noteG = "E";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "2M" AND $noteG == "D#"){
$stab2[$i] = "F";
$noteG = "F";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3m" AND $noteG == "D#"){
$stab2[$i] = "F#";
$noteG = "F#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3M" AND $noteG == "D#"){
$stab2[$i] = "G";
$noteG = "G";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4" AND $noteG == "D#"){
$stab2[$i] = "G#";
$noteG = "G#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4+" AND $noteG == "D#"){

```

```

$tab2[$i] = "A";
$noteG = "A";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "5" AND $noteG == "D#"){
$tab2[$i] = "A#";
$noteG = "A#";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "5+" AND $noteG == "D#"){
$tab2[$i] = "B";
$noteG = "B";
echo $tab2[$i] . "&nbsp;";
}

if($tab2[$i] == "6" AND $noteG == "D#"){
$tab2[$i] = "C";
$noteG = "C";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "7m" AND $noteG == "D#"){
$tab2[$i] = "C#";
$noteG = "C#";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "7M" AND $noteG == "D#"){
$tab2[$i] = "D";
$noteG = "D";
echo $tab2[$i] . "&nbsp;";
}
//
if($tab2[$i] == "2m" AND $noteG == "E"){
$tab2[$i] = "F";
$noteG = "F";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "2M" AND $noteG == "E"){
$tab2[$i] = "F#";
$noteG = "F#";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "3m" AND $noteG == "E"){

```

```

$tab2[$i] = "G";
$noteG = "G";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "3M" AND $noteG == "E"){
$tab2[$i] = "G#";
$noteG = "G#";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "4" AND $noteG == "E"){
$tab2[$i] = "A";
$noteG = "A";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "4+" AND $noteG == "E"){
$tab2[$i] = "A#";
$noteG = "A#";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "5" AND $noteG == "E"){
$tab2[$i] = "B";
$noteG = "B";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "5+" AND $noteG == "E"){
$tab2[$i] = "C";
$noteG = "C";
echo $tab2[$i] . "&nbsp;";
}
}
if($tab2[$i] == "6" AND $noteG == "E"){
$tab2[$i] = "C#";
$noteG = "C#";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "7m" AND $noteG == "E"){
$tab2[$i] = "D";
$noteG = "D";
echo $tab2[$i] . "&nbsp;";
}
if($tab2[$i] == "7M" AND $noteG == "E"){
$tab2[$i] = "D#";
}

```

```

$noteG = "D#";
echo $stab2[$i] . "&nbsp;";
}
//
if($stab2[$i] == "2m" AND $noteG == "F"){
$stab2[$i] = "F#";
$noteG = "F#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "2M" AND $noteG == "F"){
$stab2[$i] = "G";
$noteG = "G";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3m" AND $noteG == "F"){
$stab2[$i] = "G#";
$noteG = "G#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3M" AND $noteG == "F"){
$stab2[$i] = "A";
$noteG = "A";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4" AND $noteG == "F"){
$stab2[$i] = "A#";
$noteG = "A#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4+" AND $noteG == "F"){
$stab2[$i] = "B";
$noteG = "B";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5" AND $noteG == "F"){
$stab2[$i] = "C";
$noteG = "C";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5+" AND $noteG == "F"){
$stab2[$i] = "C#";
$noteG = "C#";
}

```

```

echo $stab2[$i] . "&nbsp;";
}

if($stab2[$i] == "6" AND $noteG == "F"){
$stab2[$i] = "D";
$noteG = "D";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7m" AND $noteG == "F"){
$stab2[$i] = "D#";
$noteG = "D#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7M" AND $noteG == "F"){
$stab2[$i] = "E";
$noteG = "E";
echo $stab2[$i] . "&nbsp;";
}
//
if($stab2[$i] == "2m" AND $noteG == "F#"){
$stab2[$i] = "G";
$noteG = "G";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "2M" AND $noteG == "F#"){
$stab2[$i] = "G#";
$noteG = "G#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3m" AND $noteG == "F#"){
$stab2[$i] = "A";
$noteG = "A";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3M" AND $noteG == "F#"){
$stab2[$i] = "A#";
$noteG = "A#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4" AND $noteG == "F#"){
$stab2[$i] = "B";
$noteG = "B";
}

```



```

echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4+" AND $noteG == "F#"){
$stab2[$i] = "C";
$noteG = "C";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5" AND $noteG == "F#"){
$stab2[$i] = "C#";
$noteG = "C#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5+" AND $noteG == "F#"){
$stab2[$i] = "D";
$noteG = "D";
echo $stab2[$i] . "&nbsp;";
}

if($stab2[$i] == "6" AND $noteG == "F#"){
$stab2[$i] = "D#";
$noteG = "D#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7m" AND $noteG == "F#"){
$stab2[$i] = "E";
$noteG = "E";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7M" AND $noteG == "F#"){
$stab2[$i] = "F";
$noteG = "F";
echo $stab2[$i] . "&nbsp;";
}
//
if($stab2[$i] == "2m" AND $noteG == "G"){
$stab2[$i] = "G#";
$noteG = "G#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "2M" AND $noteG == "G"){
$stab2[$i] = "A";
$noteG = "A";
}

```

```

echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3m" AND $noteG == "G"){
$stab2[$i] = "A#";
$noteG = "A#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3M" AND $noteG == "G"){
$stab2[$i] = "B";
$noteG = "B";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4" AND $noteG == "G"){
$stab2[$i] = "C";
$noteG = "C";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4+" AND $noteG == "G"){
$stab2[$i] = "C#";
$noteG = "C#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5" AND $noteG == "G"){
$stab2[$i] = "D";
$noteG = "D";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5+" AND $noteG == "G"){
$stab2[$i] = "D#";
$noteG = "D#";
echo $stab2[$i] . "&nbsp;";
}

if($stab2[$i] == "6" AND $noteG == "G"){
$stab2[$i] = "E";
$noteG = "E";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "7m" AND $noteG == "G"){
$stab2[$i] = "F";
$noteG = "F";
echo $stab2[$i] . "&nbsp;";
}

```

```

}
if($stab2[$i] == "7M" AND $noteG == "G"){
$stab2[$i] = "G#";
$noteG = "G#";
echo $stab2[$i] . "&nbsp;";
}
//
if($stab2[$i] == "2m" AND $noteG == "G#"){
$stab2[$i] = "A";
$noteG = "A";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "2M" AND $noteG == "G#"){
$stab2[$i] = "A#";
$noteG = "A#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3m" AND $noteG == "G#"){
$stab2[$i] = "B";
$noteG = "B";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "3M" AND $noteG == "G#"){
$stab2[$i] = "C";
$noteG = "C";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4" AND $noteG == "G#"){
$stab2[$i] = "C#";
$noteG = "C#";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "4+" AND $noteG == "G#"){
$stab2[$i] = "D";
$noteG = "D";
echo $stab2[$i] . "&nbsp;";
}
if($stab2[$i] == "5" AND $noteG == "G#"){
$stab2[$i] = "D#";
$noteG = "D#";
echo $stab2[$i] . "&nbsp;";
}
}

```

```
if($stab2[$i] == "5+" AND $noteG == "G#"){  
$stab2[$i] = "E";  
$noteG = "E";  
echo $stab2[$i] . "&nbsp;";  
}
```

```
if($stab2[$i] == "6" AND $noteG == "G#"){  
$stab2[$i] = "F";  
$noteG = "F";  
echo $stab2[$i] . "&nbsp;";  
}
```

```
if($stab2[$i] == "7m" AND $noteG == "G#"){  
$stab2[$i] = "F#";  
$noteG = "F#";  
echo $stab2[$i] . "&nbsp;";  
}
```

```
if($stab2[$i] == "7M" AND $noteG == "G#"){  
$stab2[$i] = "G";  
$noteG = "G";  
echo $stab2[$i] . "&nbsp;";  
}  
}
```

?>