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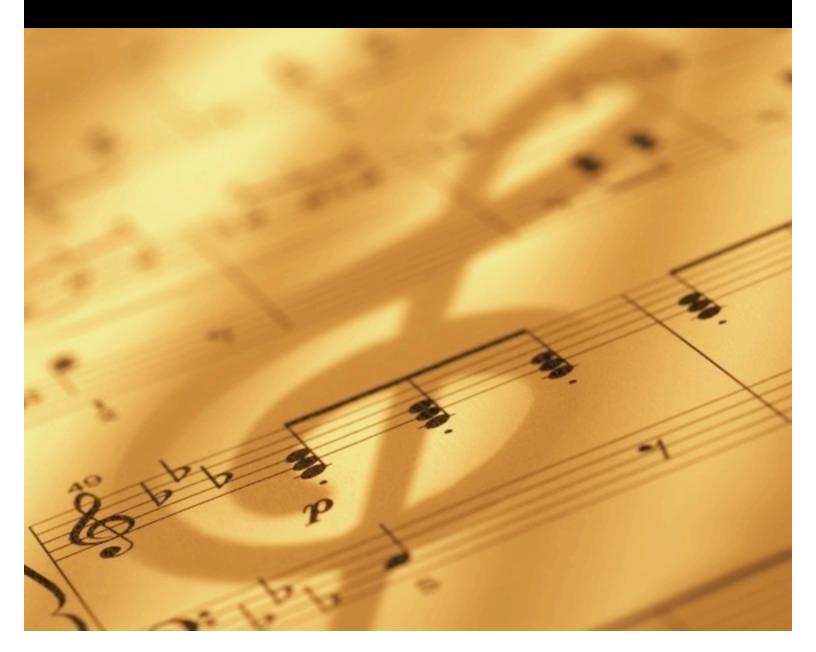
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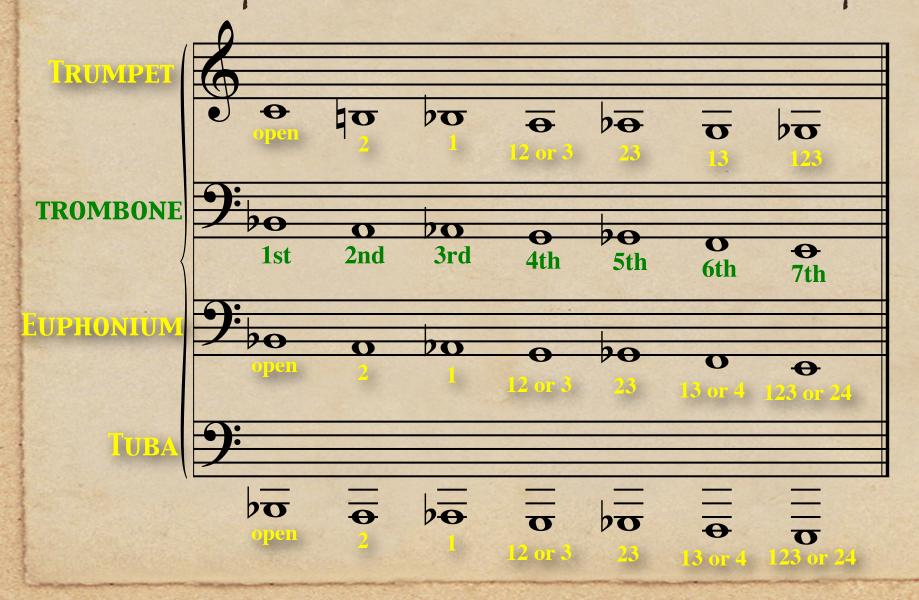
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# Overtone Series EUPHONIUM & TUBA (Use of 4<sup>th</sup> Valve)

### Overtone Series Trumpet & Low Brass Relationship





Standard Fingering 13 123 4<sup>th</sup> Valve Fingering 4 24







Standard Fingering131234th Valve Fingering424



13 123 Standard Fingering
4 24 4<sup>th</sup> Valve Fingering

The C & B on Euphonium enjoy the same alternates with 4th valve.

• The C & B on the Tuba accomplish the same thing an octave lower.



 With the use of the 4<sup>th</sup> valve on a compensating euphonium, you can use the fingerings shown above to play chromatically down to pedal Bb.

TUBA

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 With the use of the 4<sup>th</sup> valve on a compensating tuba, you can use the fingerings shown above to play chromatically down to pedal Bb.