

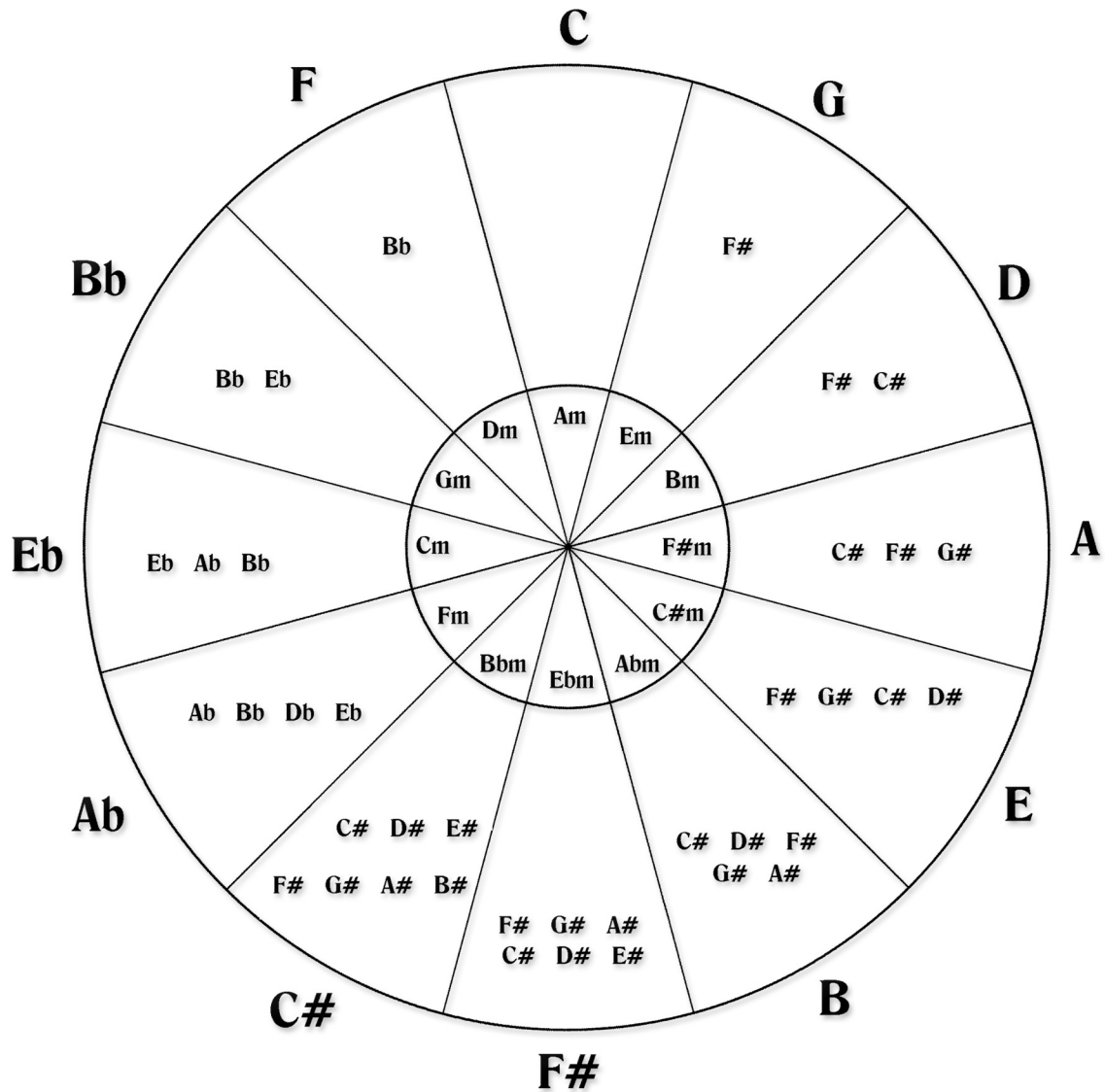


Fusion Flamenco Week 12

Open Chords

THE CIRCLE OF FIFTHS

More sharps or flats (# or b) means less available open strings in the key



CREATING OPEN CHORDS PROGRESSIONS

1. Pick a key in the upper half of the circle.
(Major keys are at the edge of the circle, minor keys at the center)
2. Construct a chord progression beginning with the Tonic and ending with the Dominant
3. Examine possible extensions (9, 11 & 13) using the Scale tables
4. Find open chords that fit the chords and their extensions

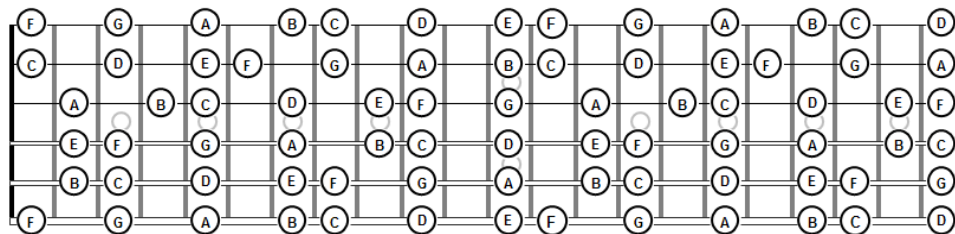
Scales, Chords & Their Extensions

NATURAL MINOR SCALE

O = Chord note X = Possible extension

	Root			min3	3	4	b5	5	#5	6	7	maj7
CHORD		b9	9	#9		11	#11		b13	13		
Am7 9 / 11 / b13	1		X	O		X		O	X		O	
Bm7b5 b9 / 11 / b13	2	X		O		X	O		X		O	
Cmaj7 9 / 11 / 13	3		X		O	X		O		X		O
Dm7 9 / 11 / 13	4		X	O		X		O		X	O	
Em7 b9 / 11 / b13	5	X		O		X		O	X		O	
Fmaj7 9 / #11 / 13	6		X		O		X	O		X		O
G7 9 / 11 / 13	7		X		O	X		O		X	O	

A-Natural Minor Scale

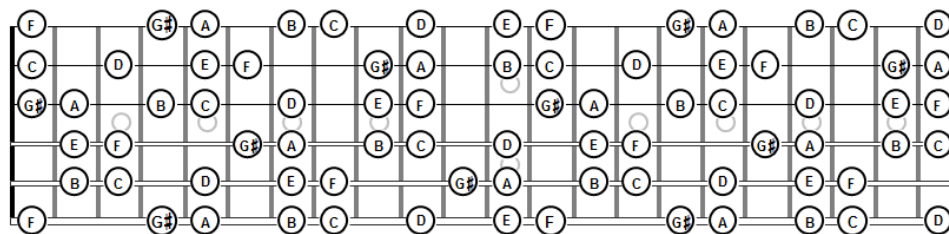


HARMONIC MINOR SCALE

O = Chord note X = Possible extension

	Root			min3	3	4	b5	5	#5	6	7	maj7
CHORD		b9	9	#9	b11	11	#11		b13	13		
Am#7 9 / 11 / b13	1		X	O		X		O	X			O
Bm7b5 b9 / 11 / b13	2	X		O		X	O			X	O	
C7b5 9 / 11 / 13	3		X		O	X			O	X		O
Dm7 9 / #11 / 13	4		X	O			X	O		X	O	
E7 b9 / 11 / b13	5	X			O	X		O	X		O	
Fmaj7 #9 / #11 / 13	6			X	O		X	O		X		O
G#m6b5 b9 / b11 / 13	7	X		O	X		O		X	O		

A-Harmonic Minor Scale

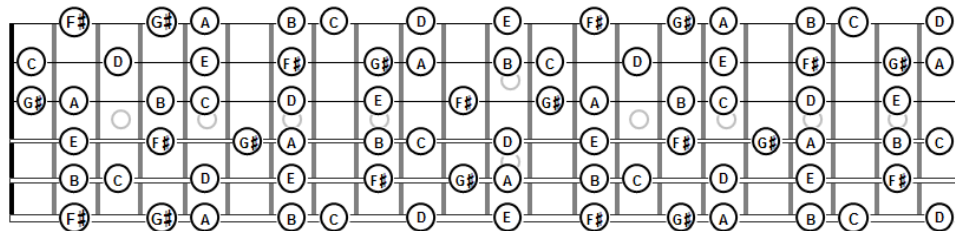


MELODIC MINOR SCALE

O = Chord note X = Possible extension

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CHORD		b9	9	#9	b11	11	#11		b13	13		
Am#7 9 / 11 / 13	1		X	O		X		O		X		O
Bm7 b9 / 11 / 13	2	X		O		X		O		X	O	
Cmaj7#5 9 / 11 / 13	3		X		O		X		O	X		O
D7 9 / #11 / 13	4		X		O		X	O		X	O	
E7 9 / 11 / b13	5		X		O	X		O	X		O	
F#m7b5 #9 / #11 / 13	6		X	O		X	O		X		O	
G#m7b5 b9 / b11 / b13	7	X		O	X		O		X		O	

A-Melodic Minor Scale

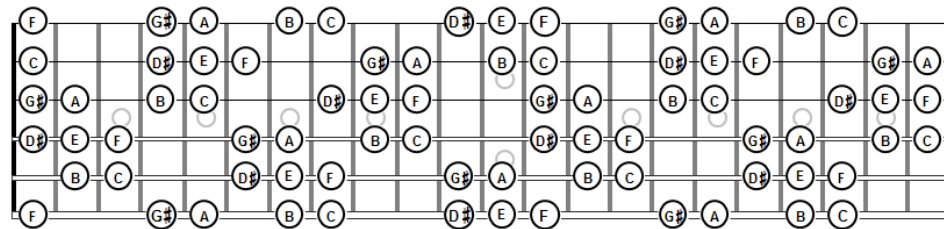


DOUBLE HARMONIC MINOR SCALE

O = Chord note X = Possible extension

	Rt.			min3	3	4	b5	5	#5	6	7	maj7
CHORD		b9	9	#9	b11	11	#11		b13	13	#13	
Am#7 9 / #11 / b13	1		X	O			X	O	X			O
B7b5 b9 / 11 / 13	2	X			O	X	O			X	O	
Cmaj7#5 #9 / 11 / b13	3			X	O	X			O	X		O
D#sus9b5/13 b9 / 11 / 13	4	X	O			X	O		X	O		
Emaj7 b9 / 11 / b13	5	X			O	X		O	X			O
Fmaj7 #9 / #11 / #13	6			X	O		X	O			X	O
G#m6 b9 / b11 / b13	7	X		O	X			O	X	O		

A-Double Harmonic Minor Scale

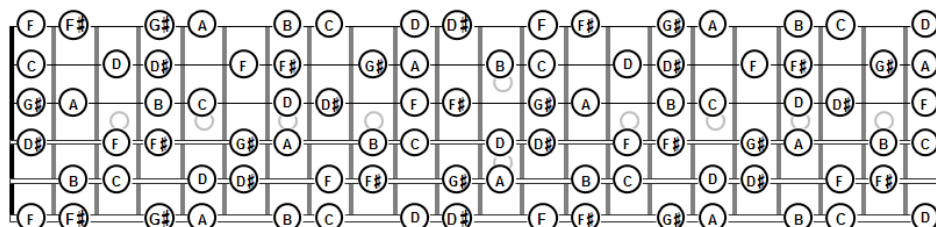


DIMINISHED SCALE

O = Chord note X = Possible extension

	Rt.			min3	3	4	b5	5	#5	6	7	maj7
CHORD		b9	9	#9	b11	11	#11		b13	13		
Adim 9 / 11 / b13 / #7	1		X	O		X	O		X	O		X
Bdim b9 / b11 / 7	2	X		O	X		O	X		O	X	
Cdim 9 / 11 / b13 / #7	3		X	O		X	O		X	O		X
Ddim b9 / b11 / 7	4	X		O	X		O	X		O	X	
Ebdim 9 / 11 / b13 / #7	5		X	O		X	O		X	O		X
Fdim b9 / b11 / 7	6	X		O	X		O	X		O	X	
G#dim 9 / 11 / b13 / #7	7		X	O		X	O		X	O		X

A-Diminished Scale

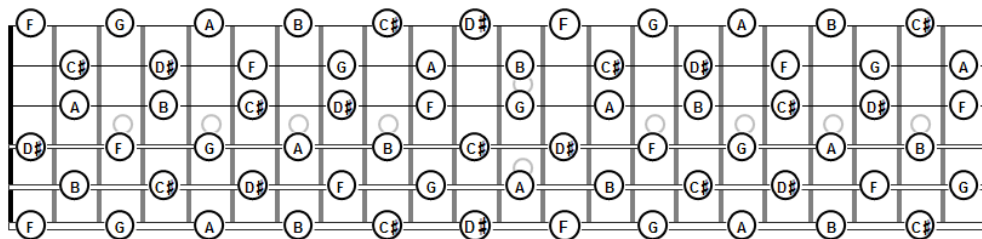


WHOLE TONE SCALE

O = Chord note X = Possible extension

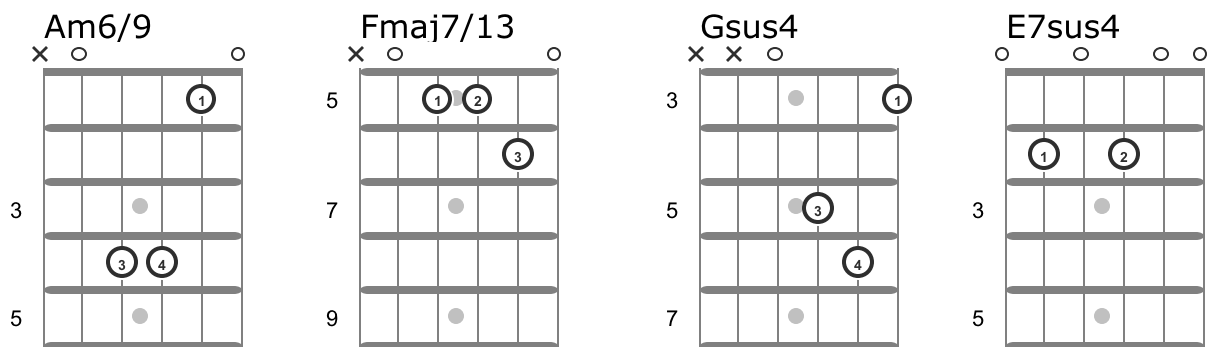
	Rt.			min3	3	4	b5	5	#5	6	7	maj7
CHORD		b9	9	#9		11	#11		b13	13		
Aaug 9/#11/7	1		X		O		X		O		X	
Baug 9/#11/7	2		X		O		X		O		X	
C#aug 9/#11/7	3		X		O		X		O		X	
D#dim 9/#11/7	4		X		O		X		O		X	
Faug 9/#11/7	5		X		O		X		O		X	
Gaug 9/#11/7	6		X		O		X		O		X	

A-Whole Tone Scale

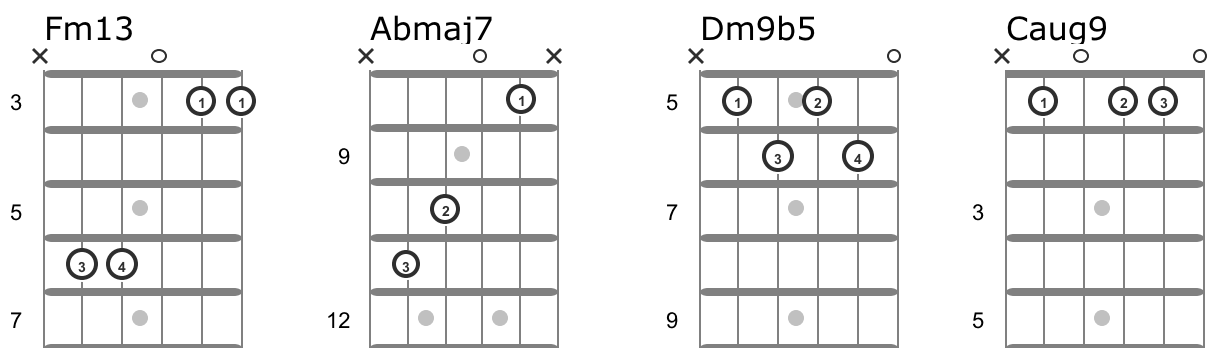


EXAMPLES

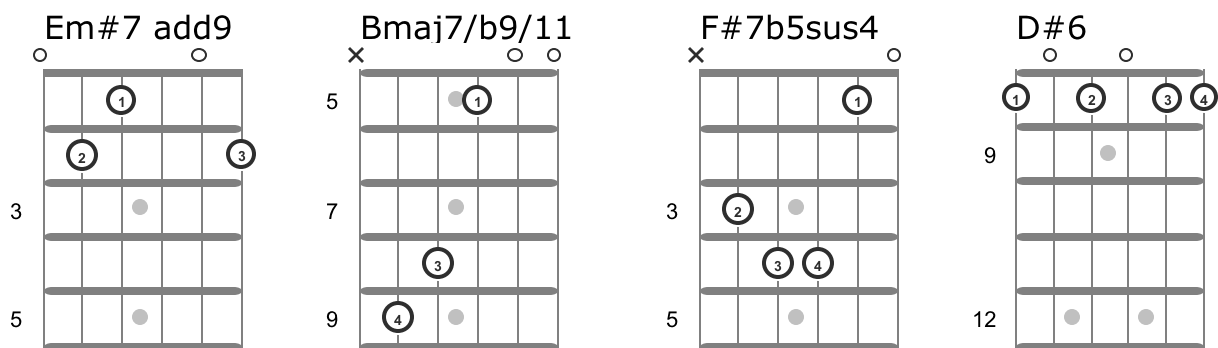
A-Natural/Harmonic Minor



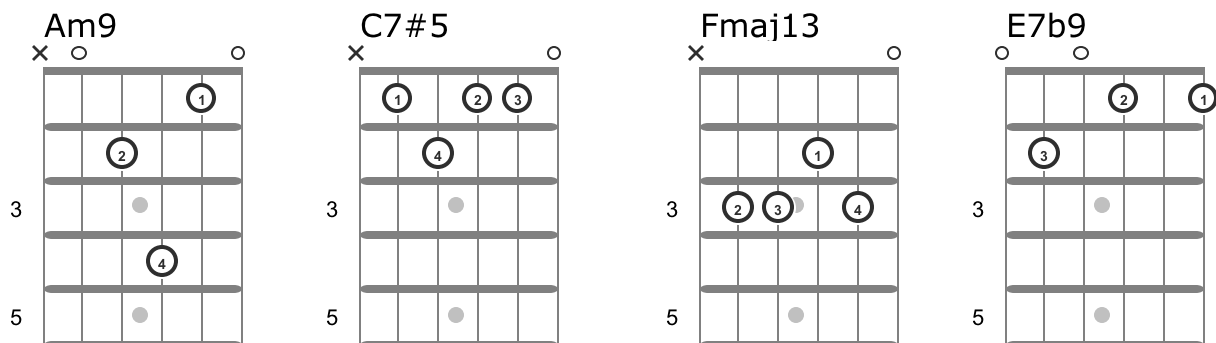
F-Melodic Minor



E-Double Harmonic Minor

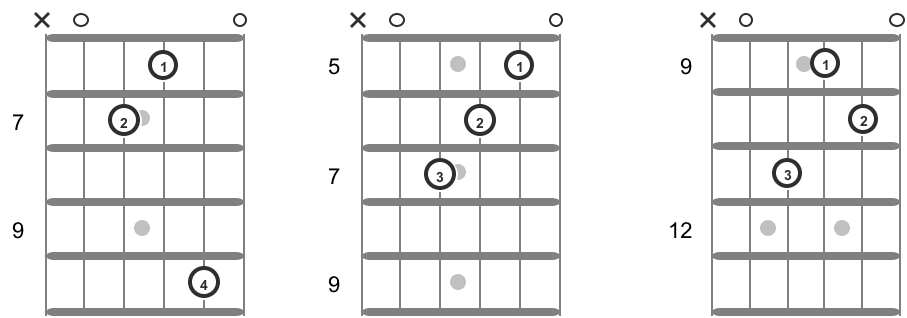


A-Harmonic Minor

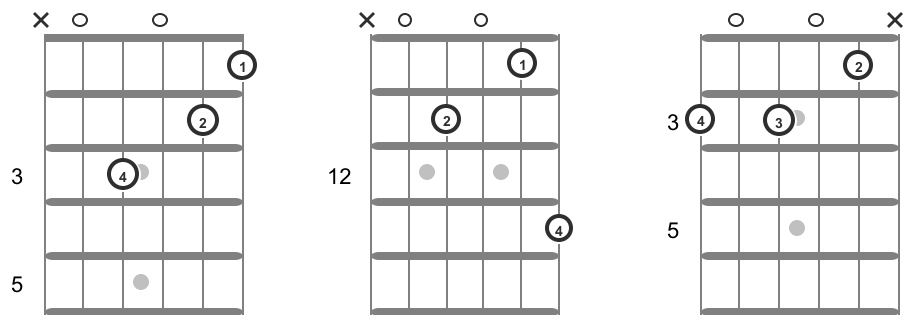


Open Chords Encyclopedia

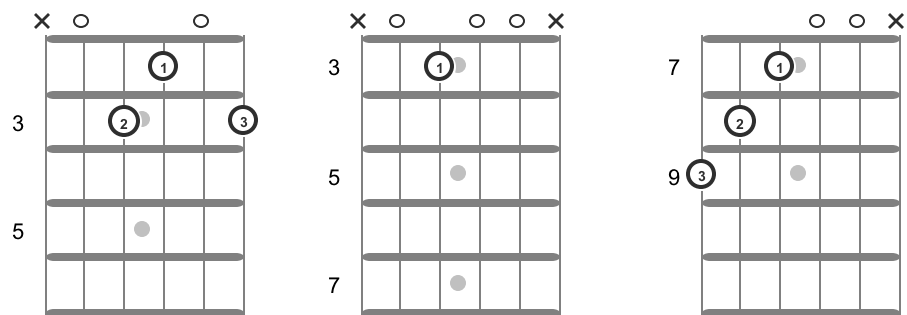
A



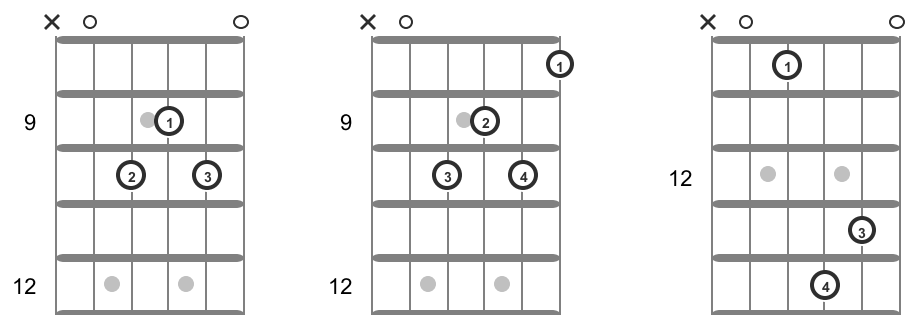
Aaug7



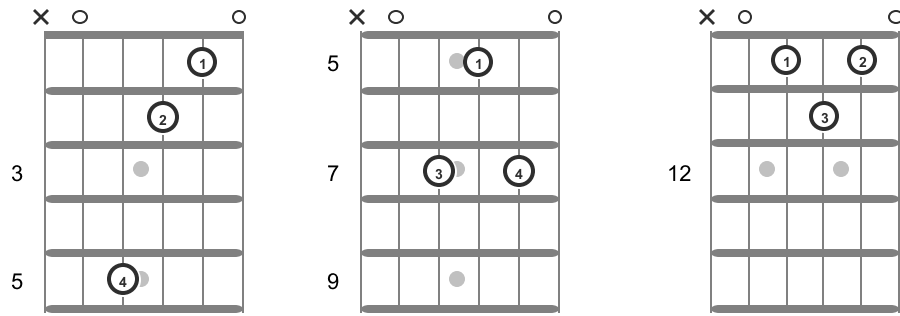
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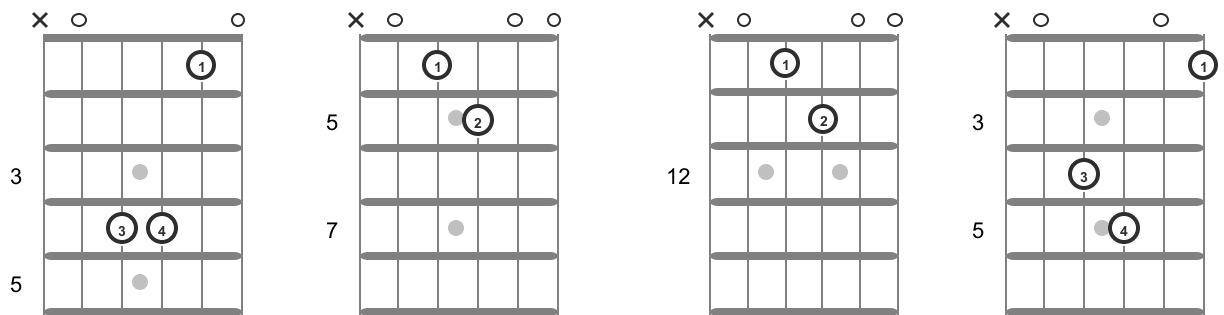
Am



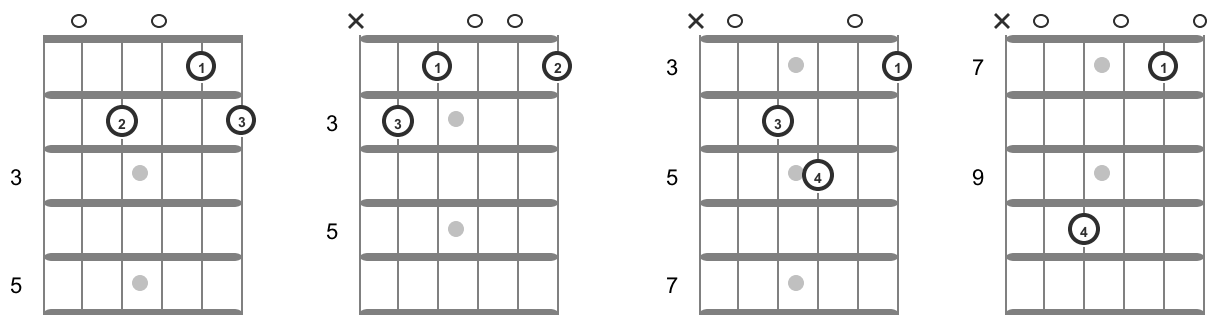
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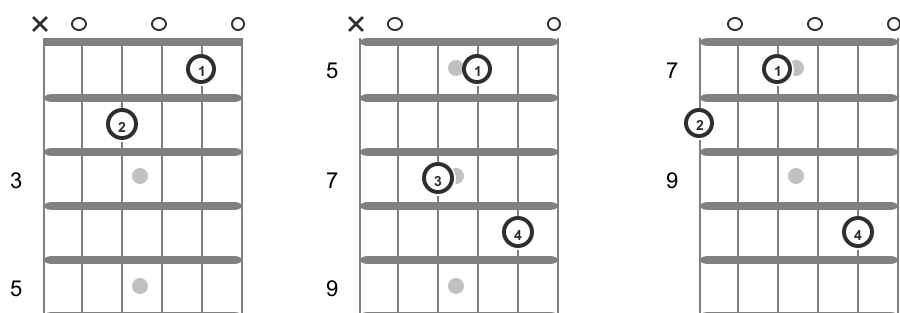
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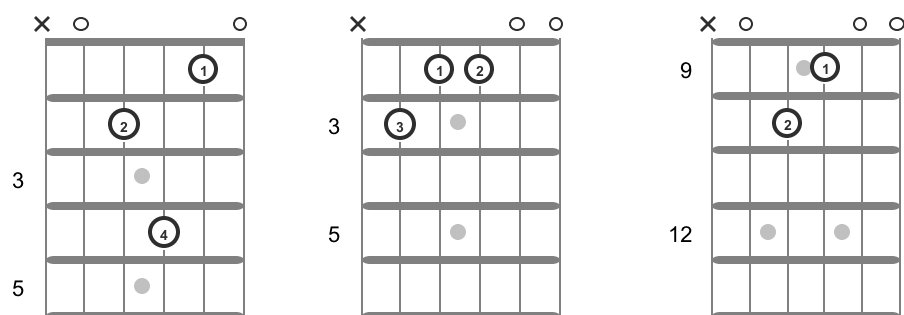
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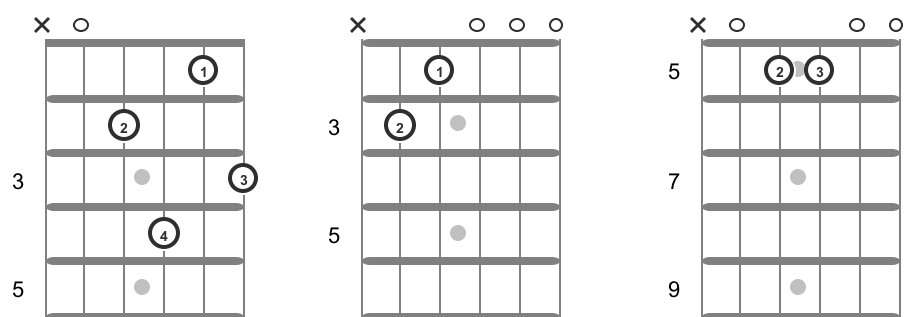
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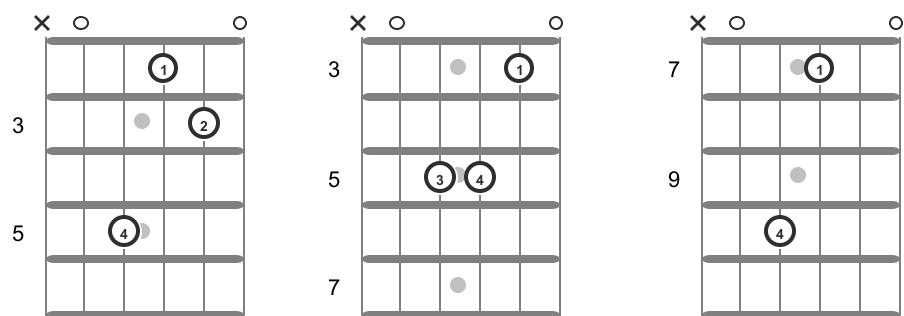
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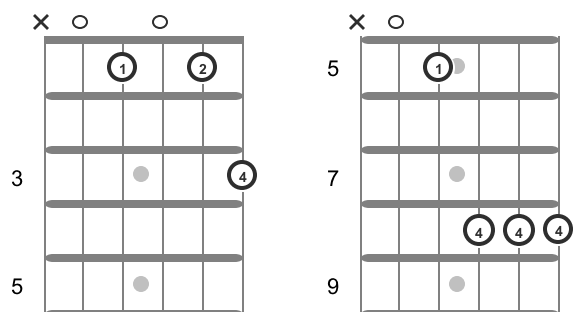
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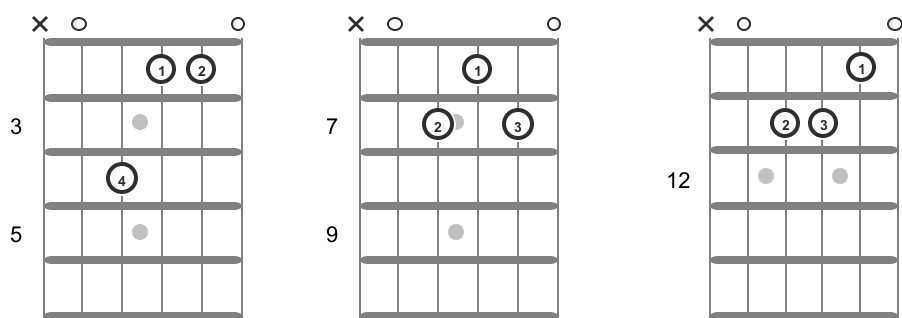
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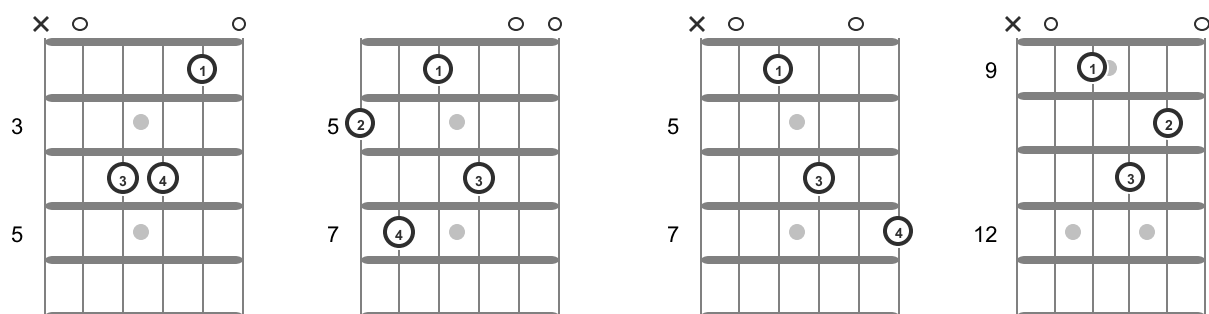
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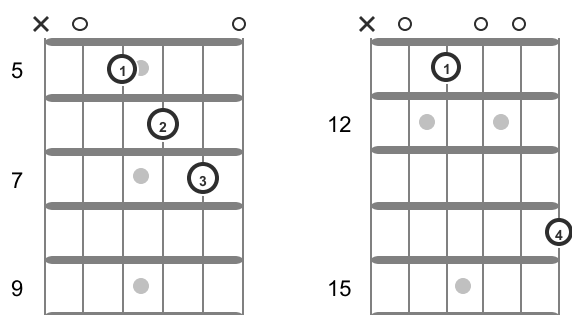
A6



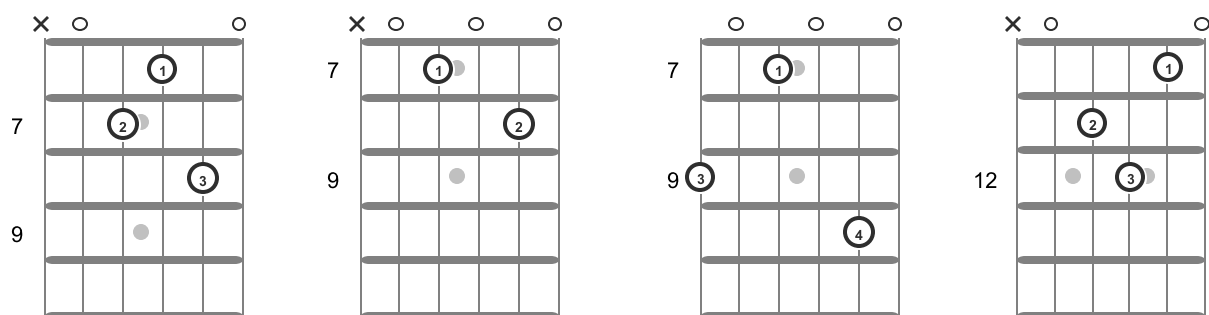
A6/9



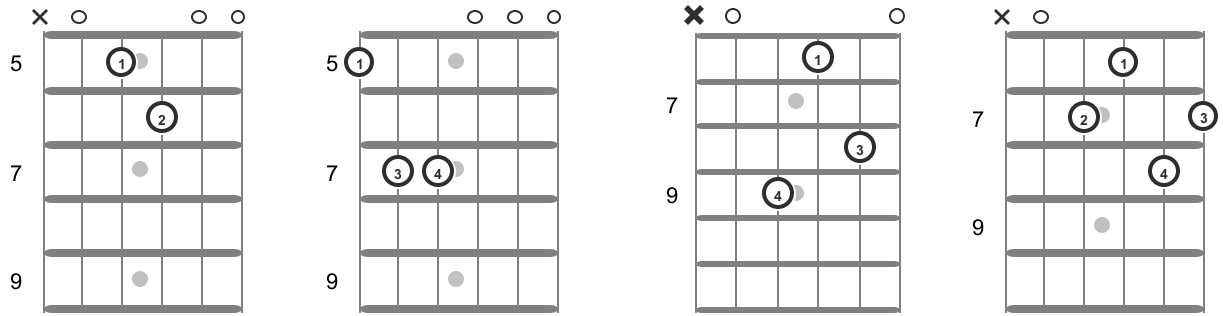
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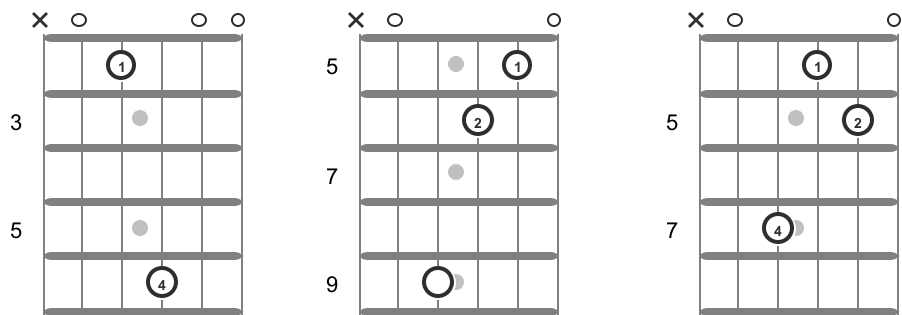
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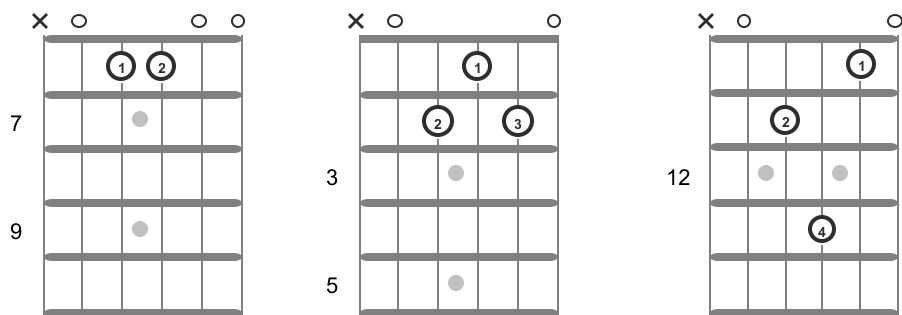
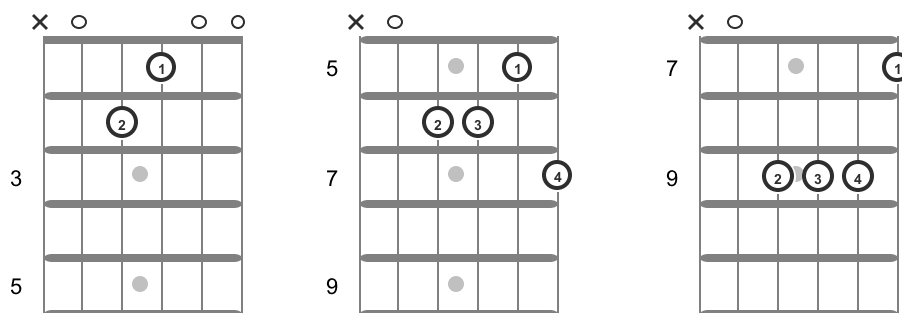
Asus9



Aadd9

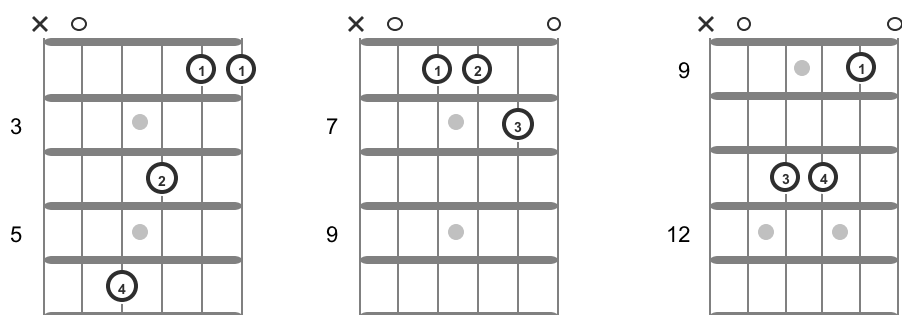


Amaj7

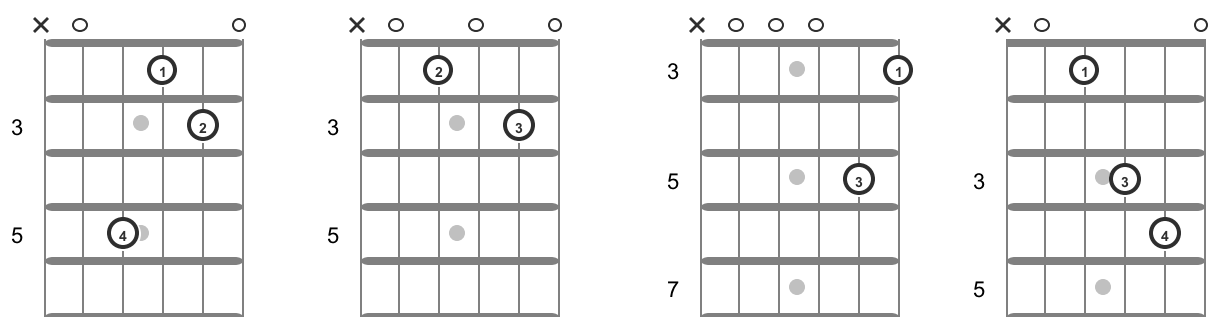
Amaj9
(maj7add9)

Amai13

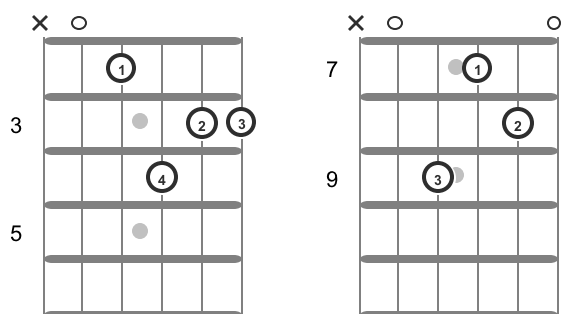
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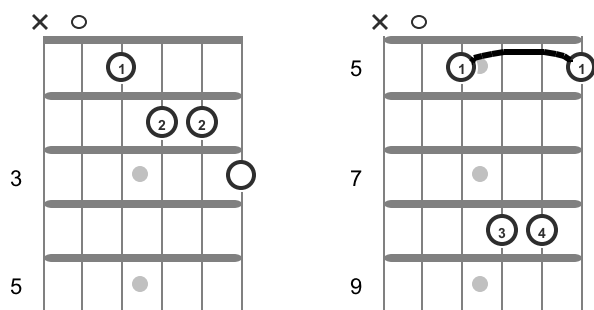
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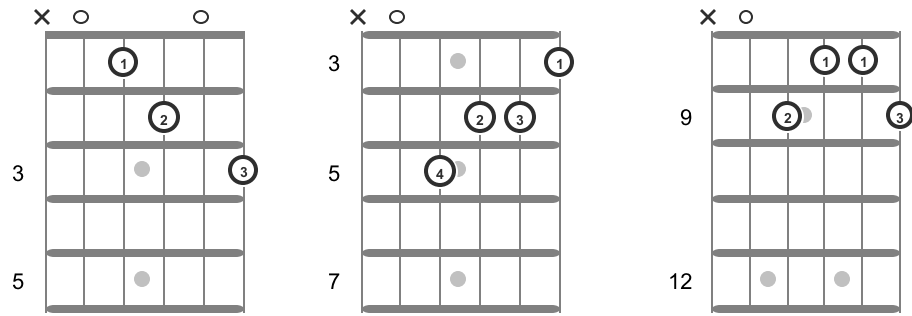
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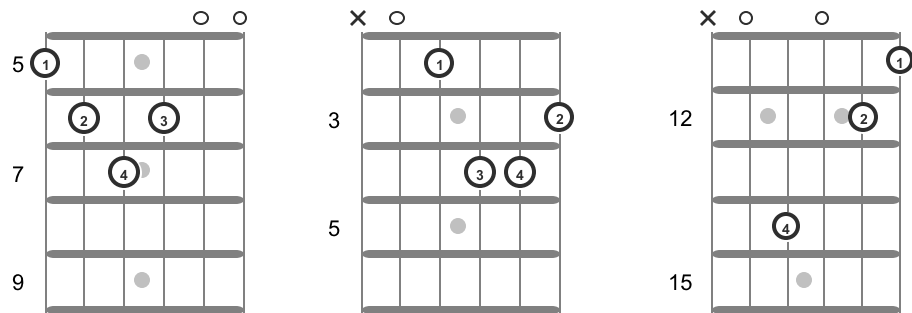
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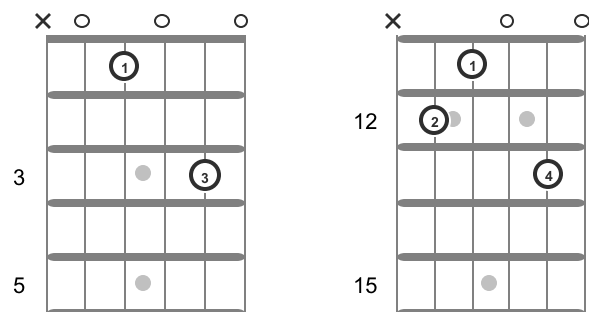
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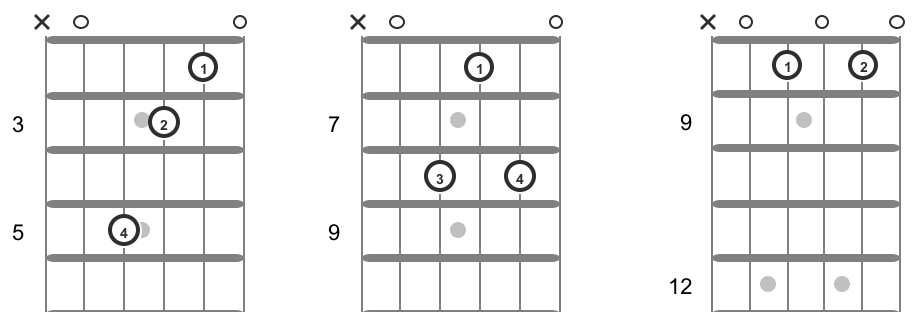
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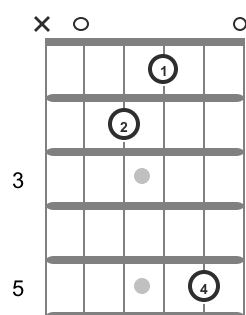
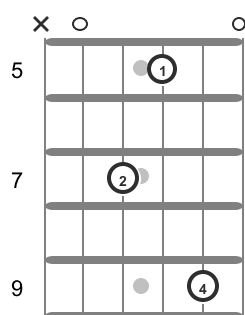
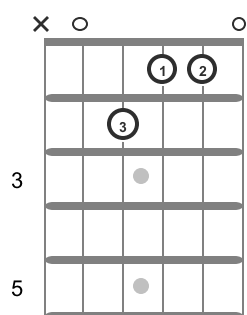
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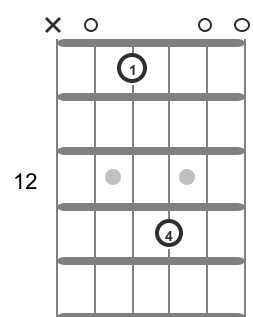
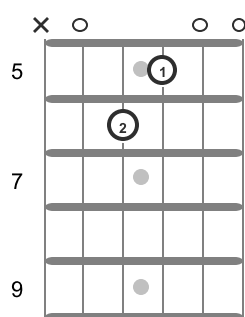
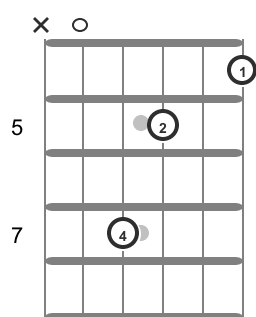
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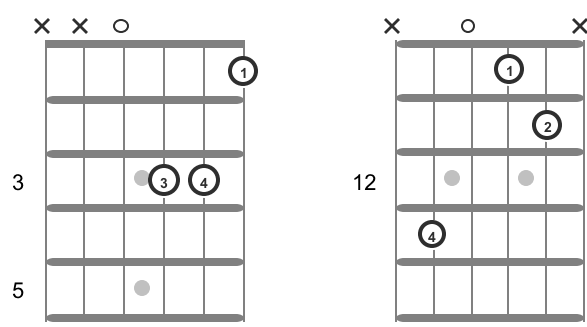
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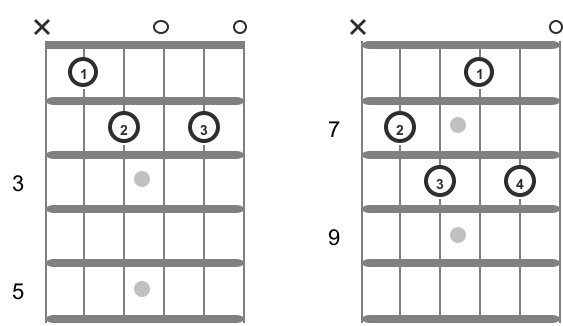
Am#7add9



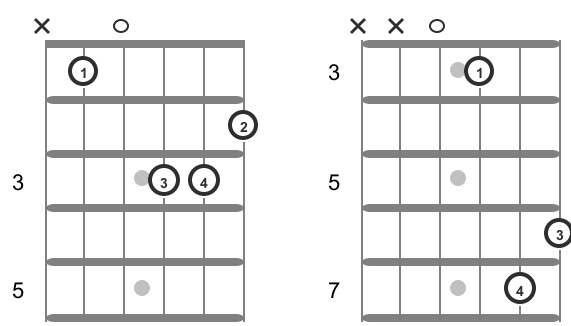
Bb



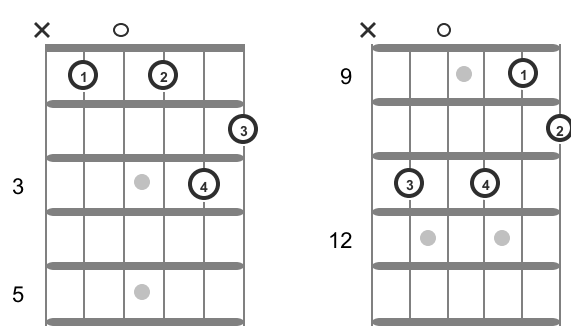
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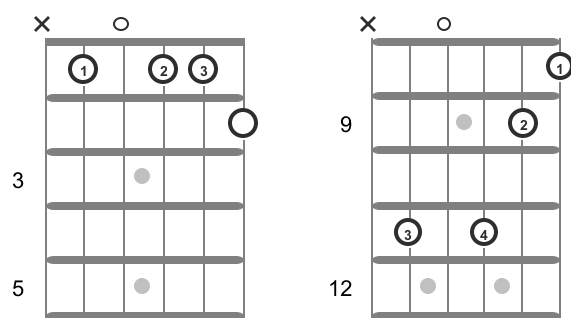
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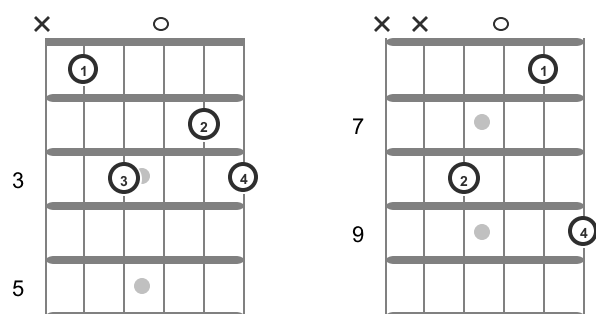
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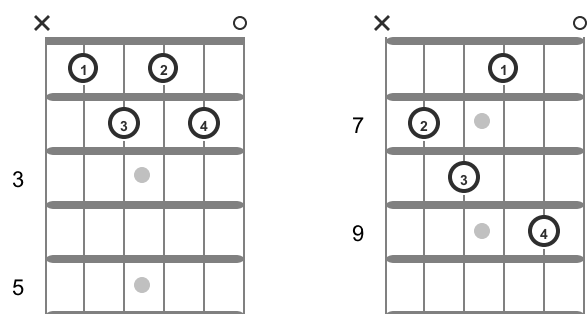
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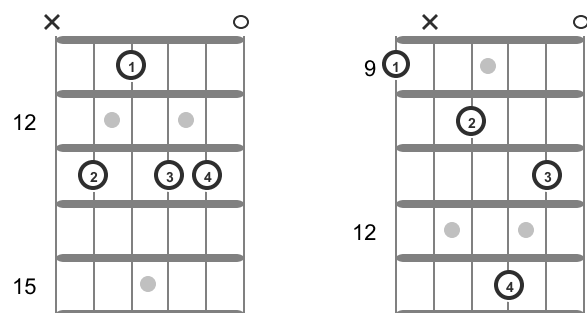
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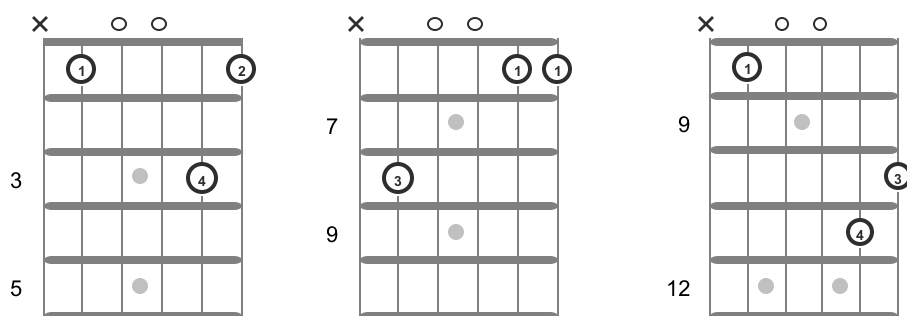
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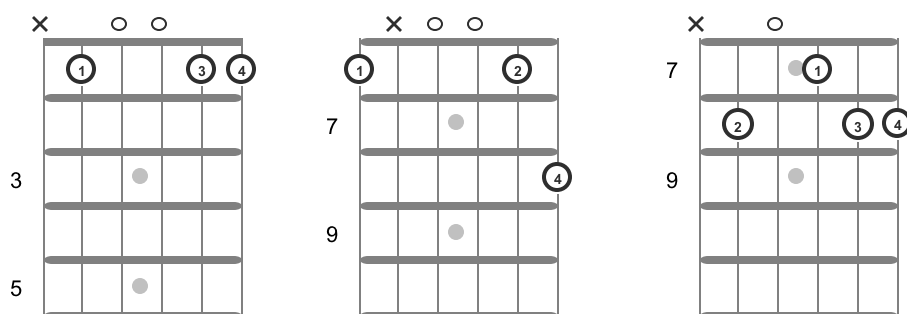
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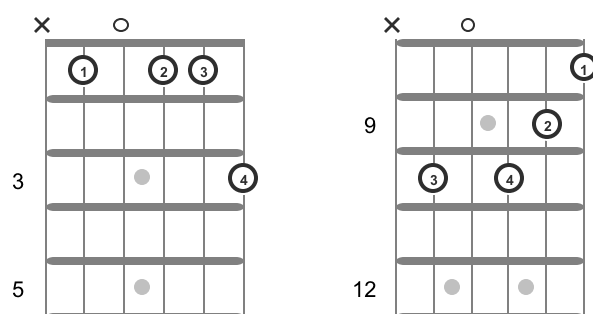
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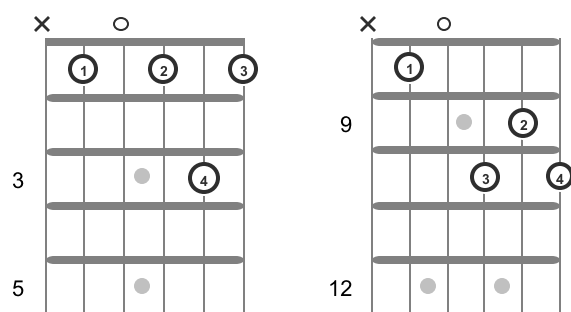
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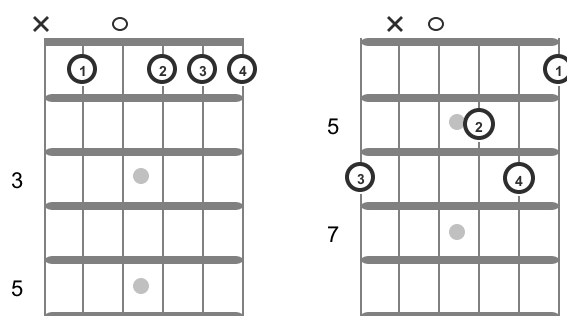
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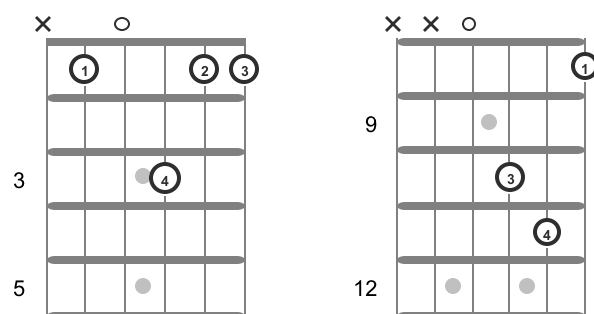
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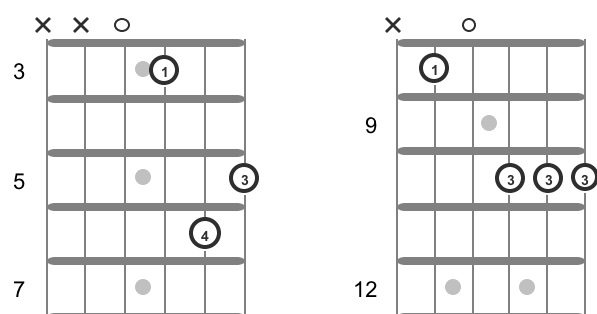
Bbsus9 (Bb9)



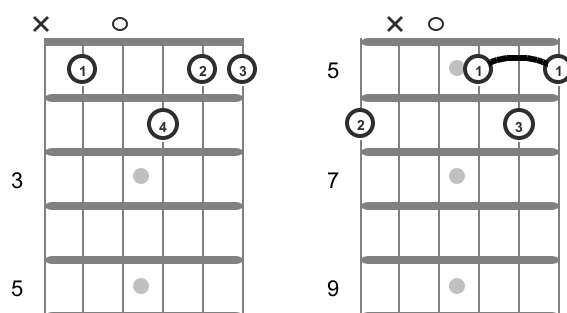
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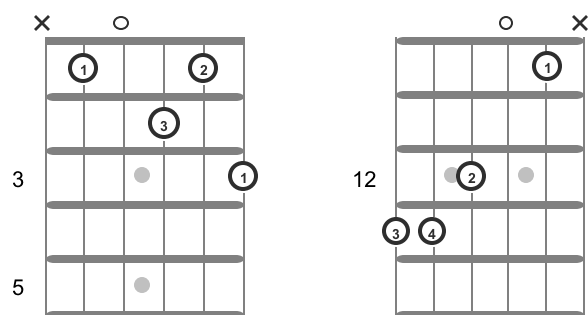
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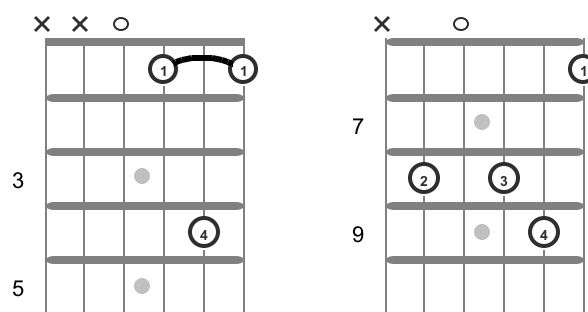
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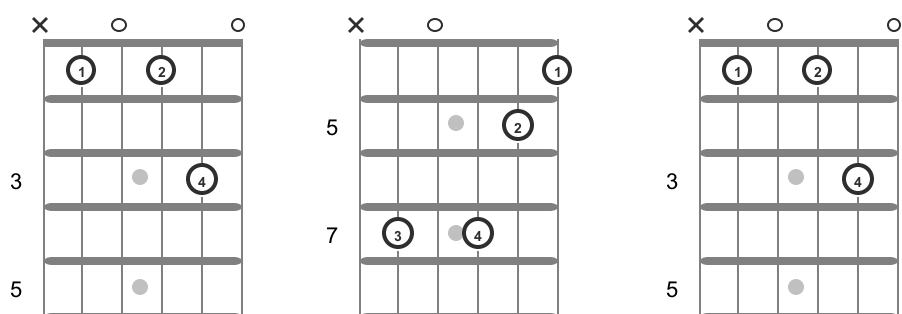
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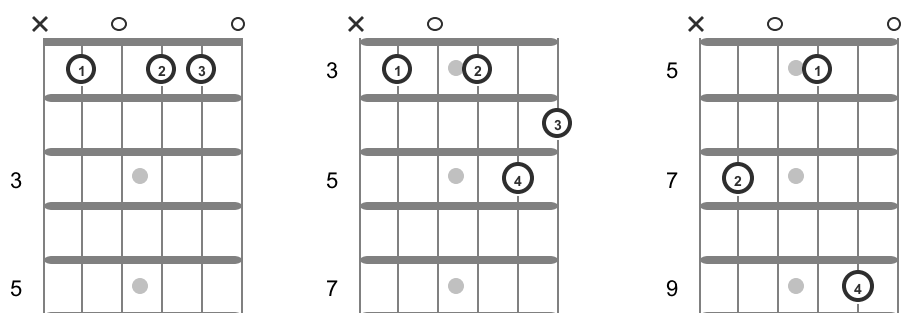
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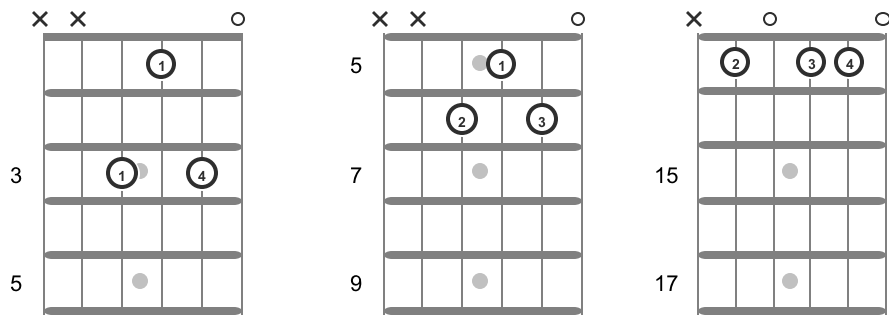
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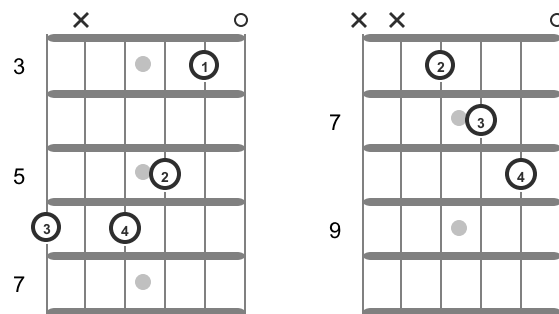
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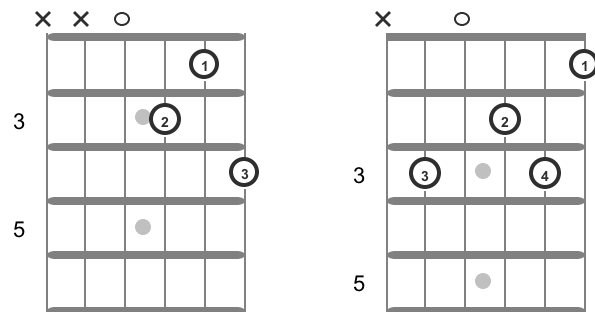
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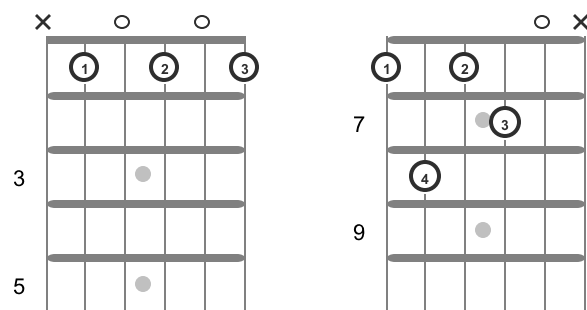
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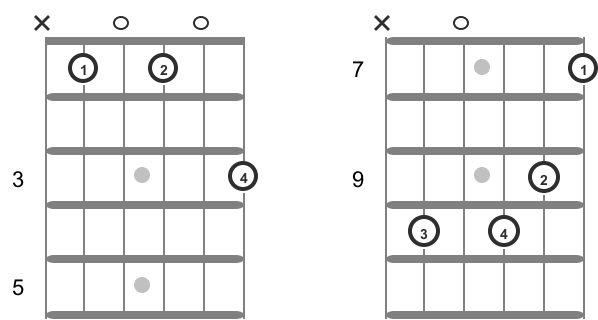
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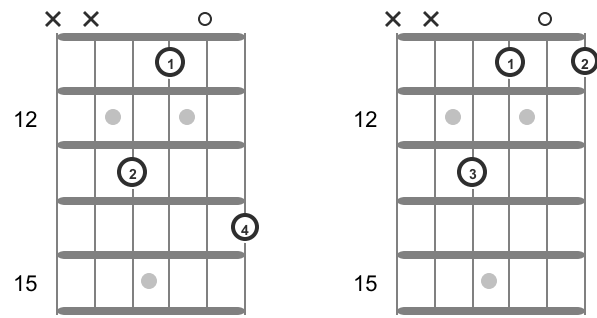
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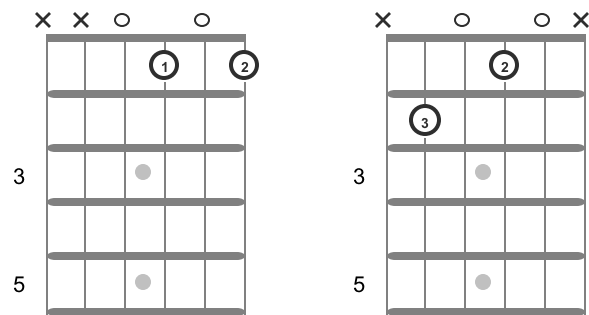
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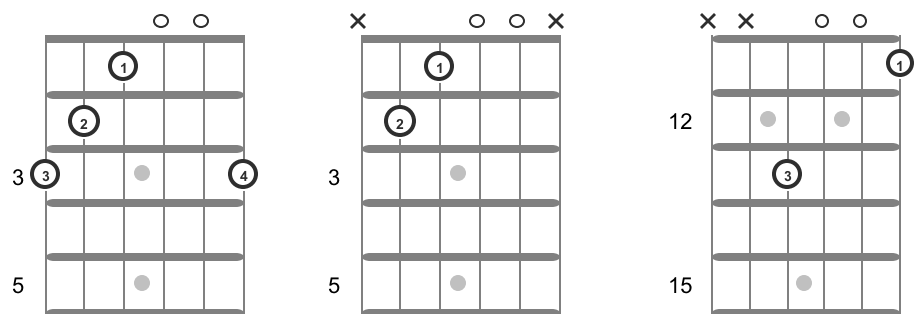
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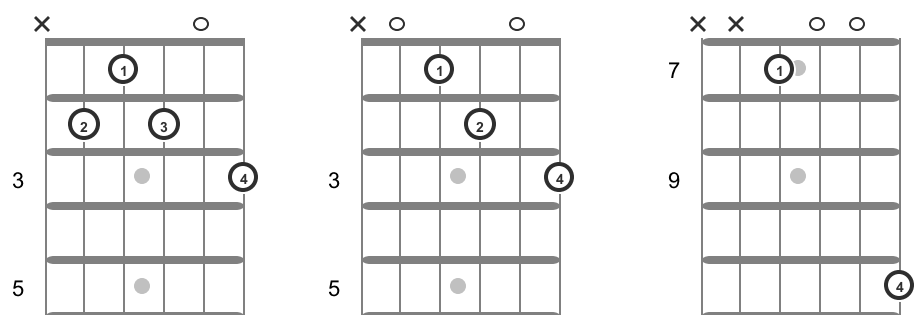
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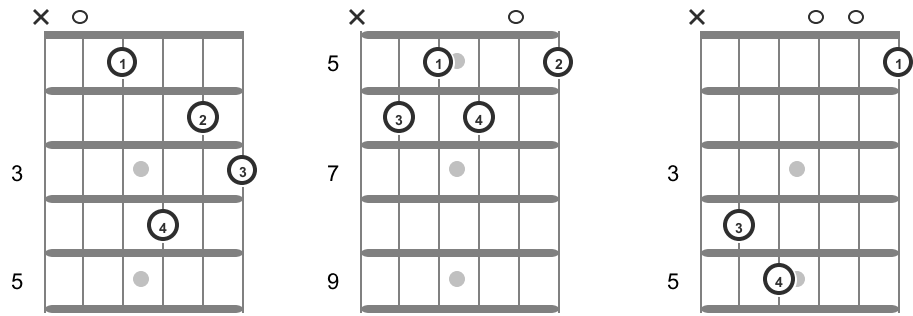
Baug



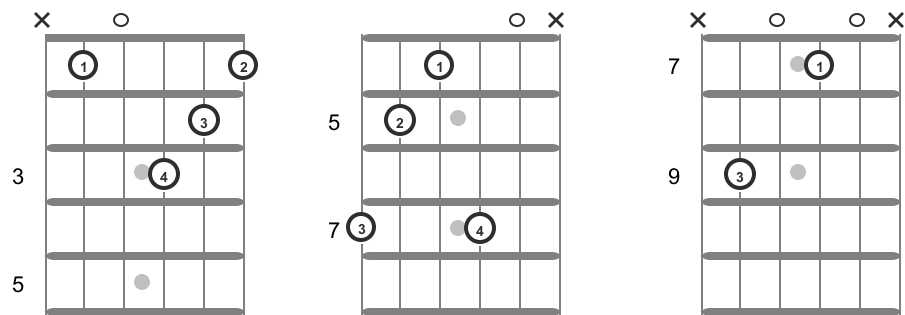
Baug7



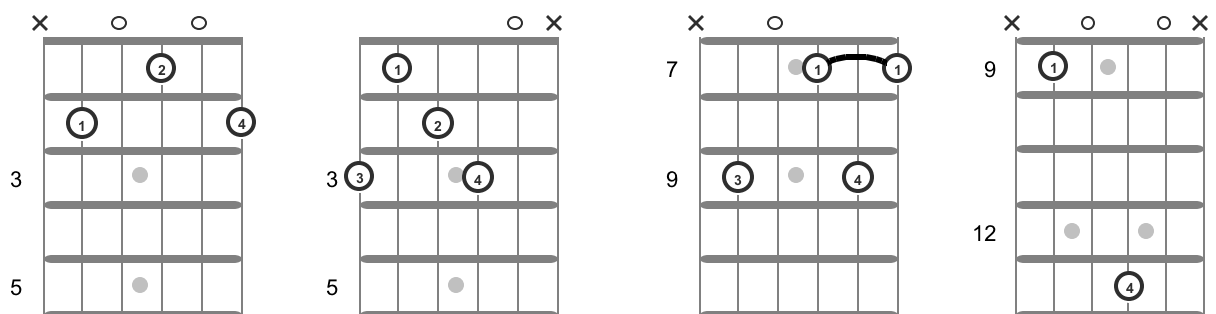
Baug9



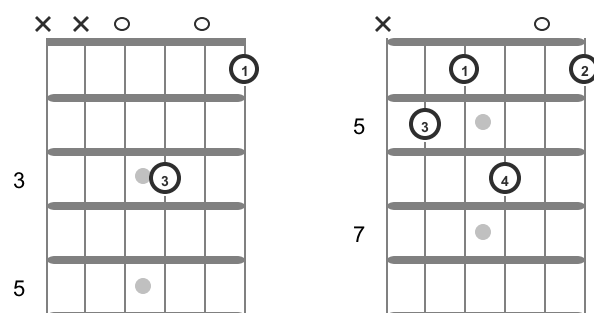
Bm



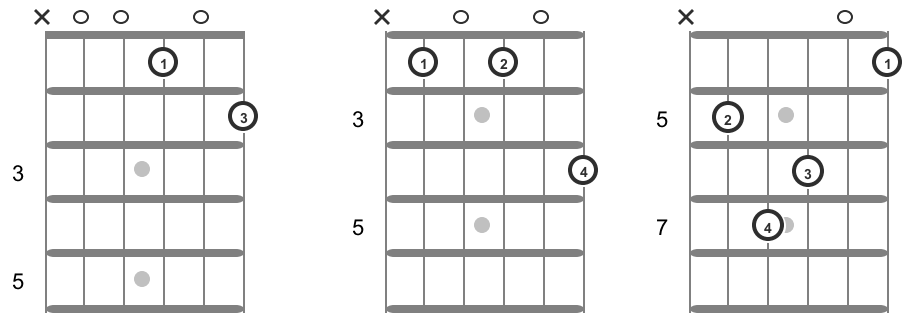
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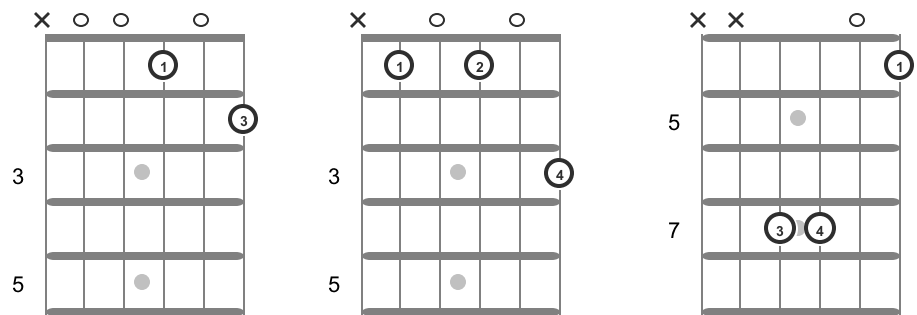
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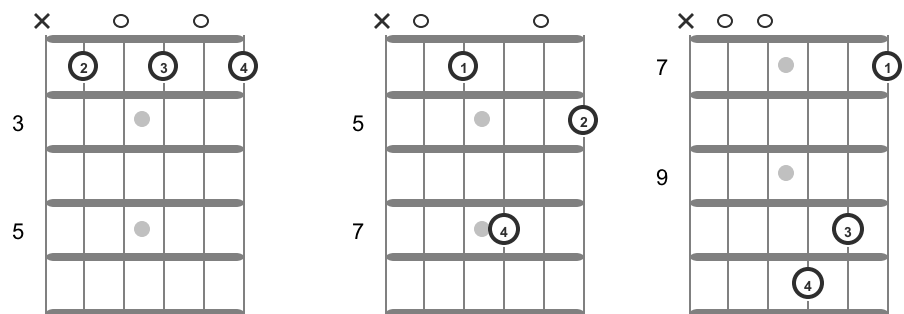
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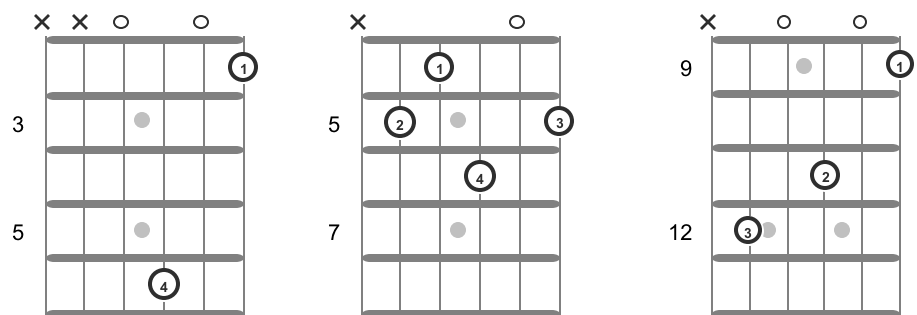
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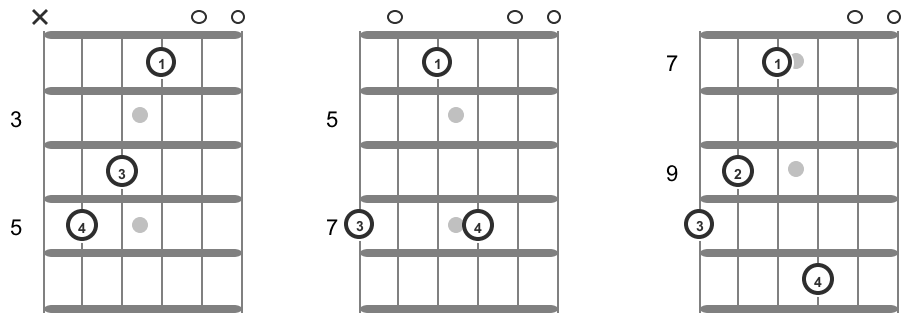
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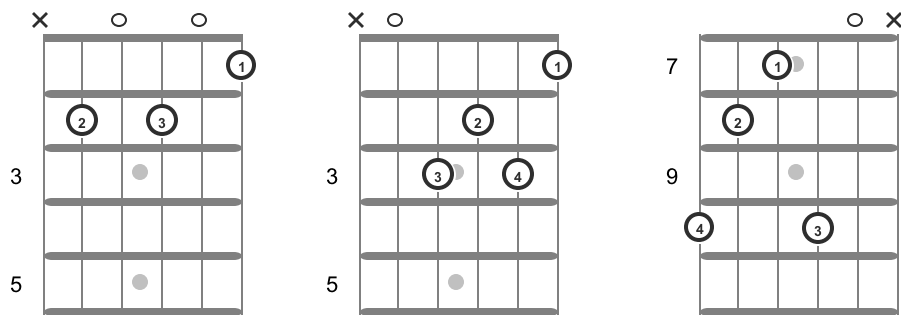
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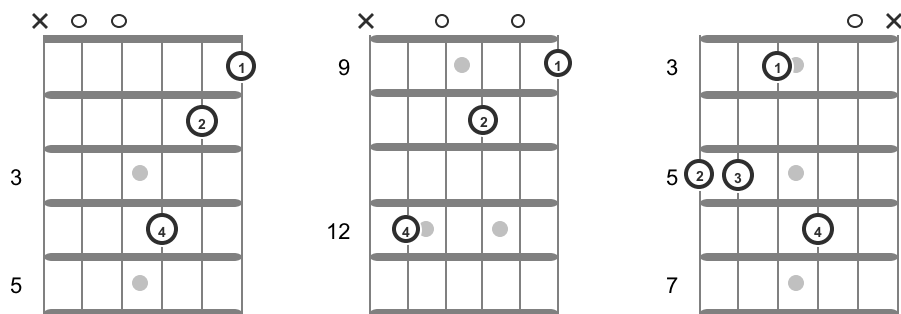
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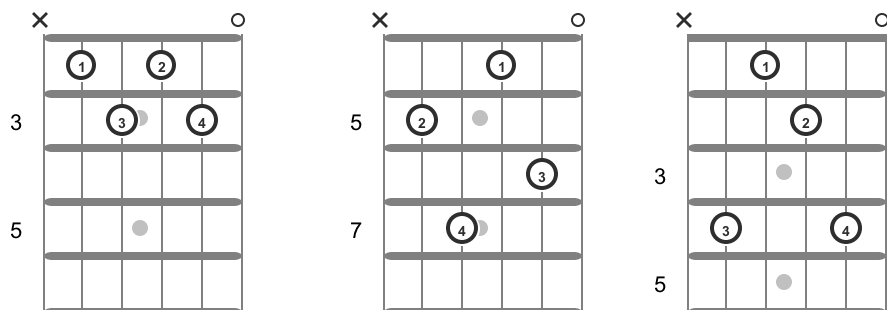
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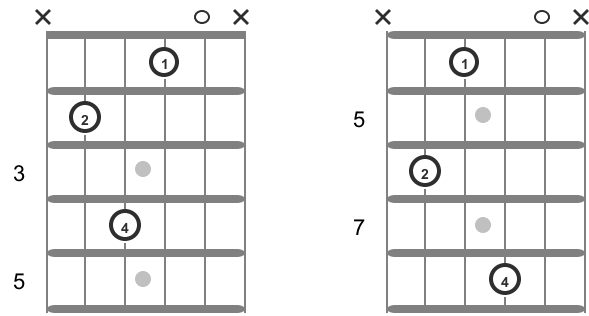
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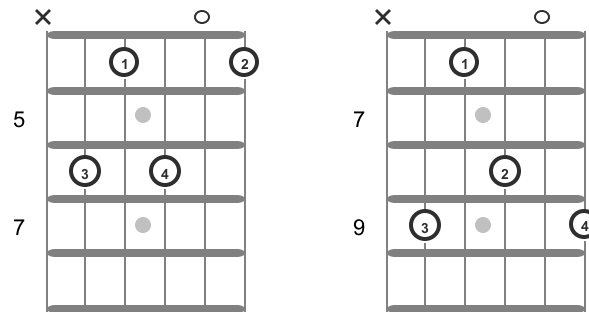
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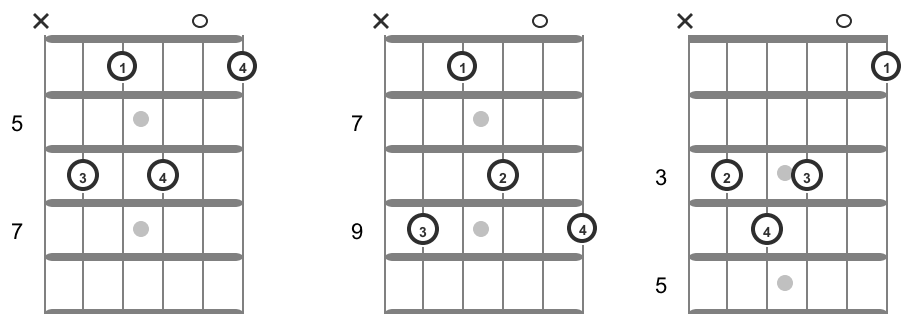
B6



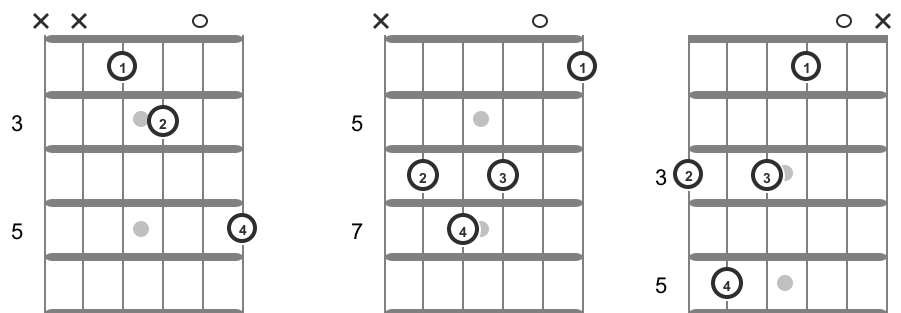
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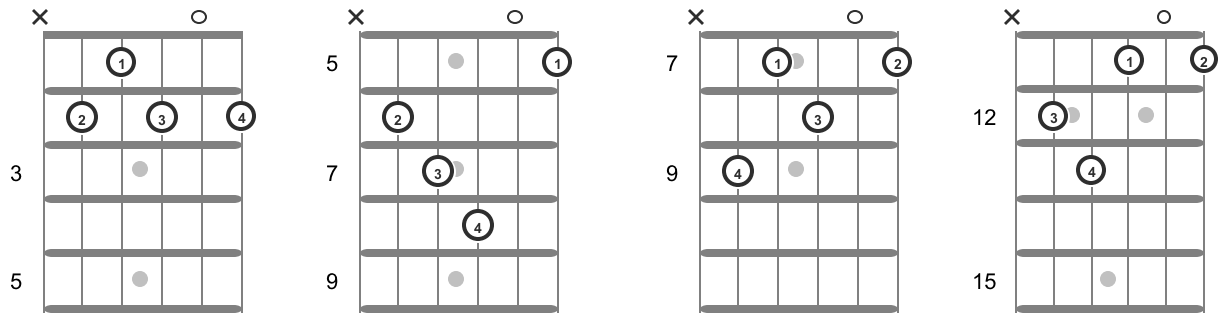
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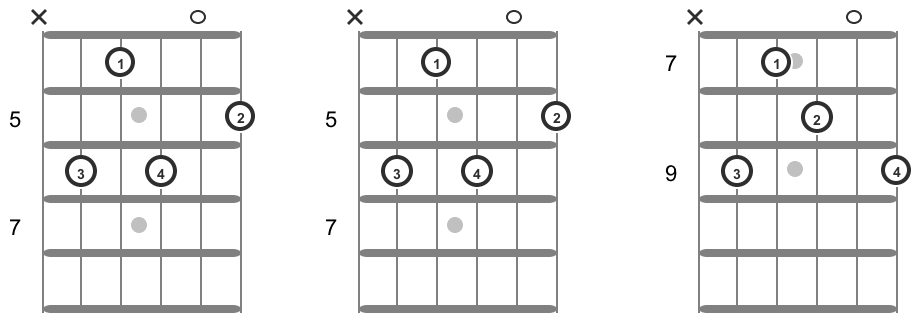
B13



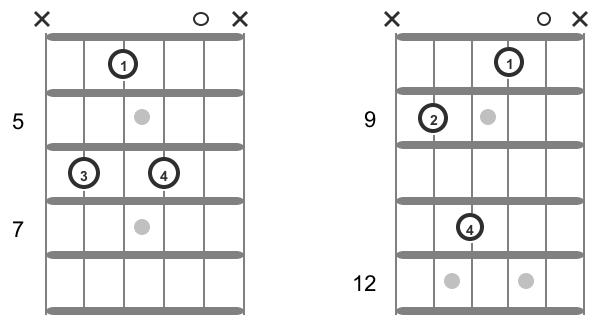
B7



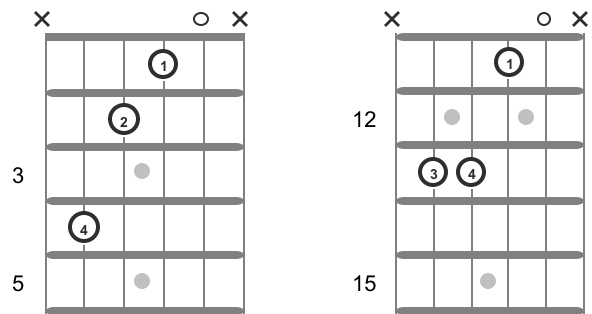
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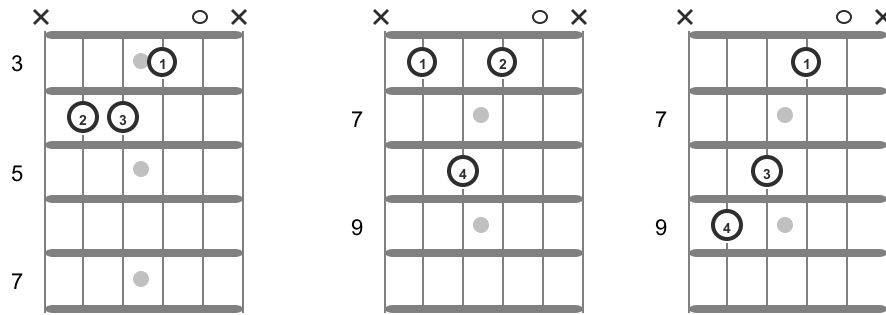
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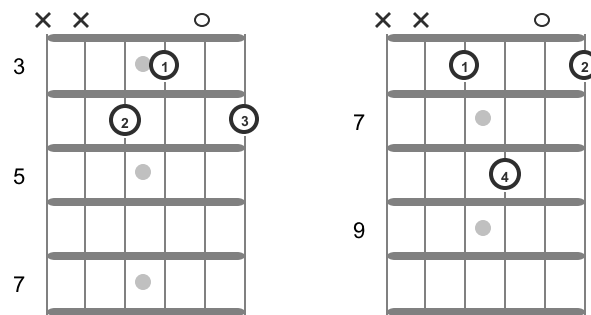
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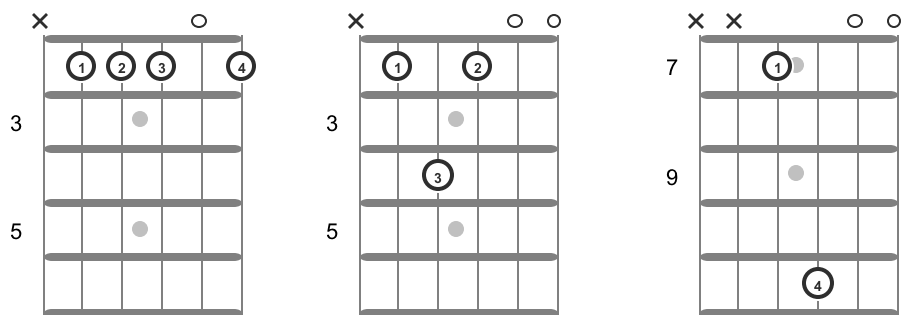
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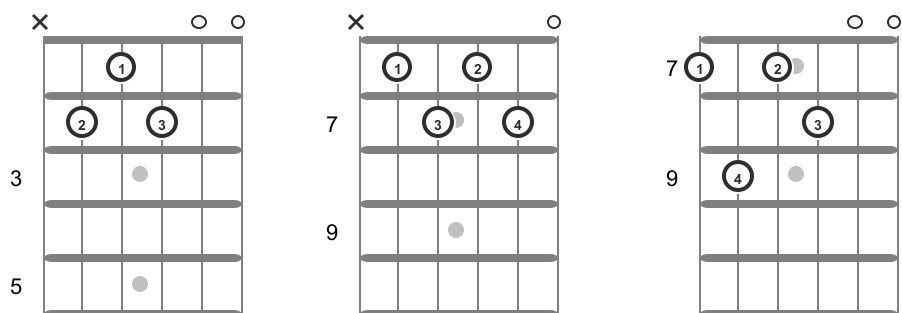
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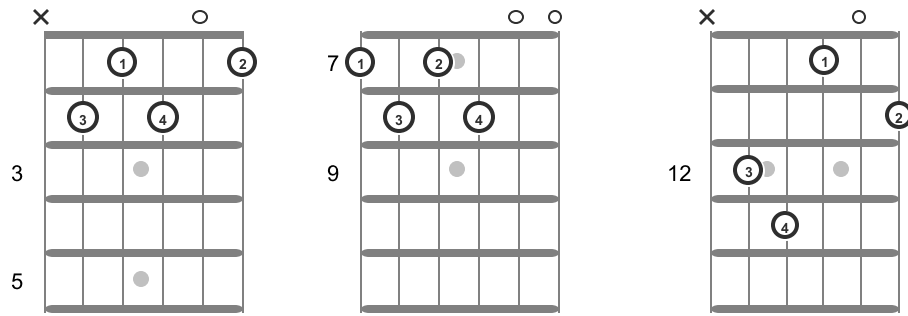
B7sus4



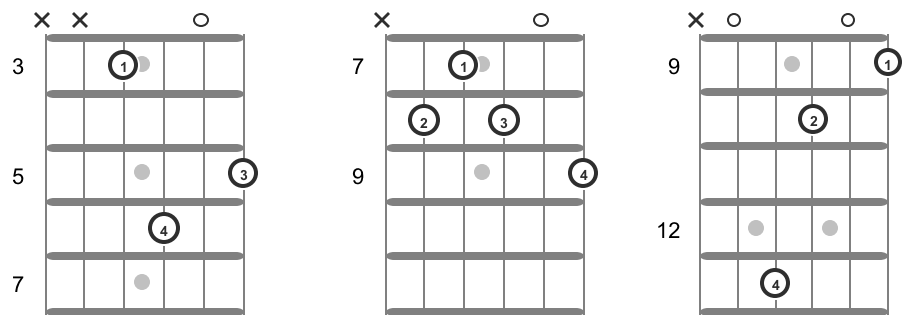
B11



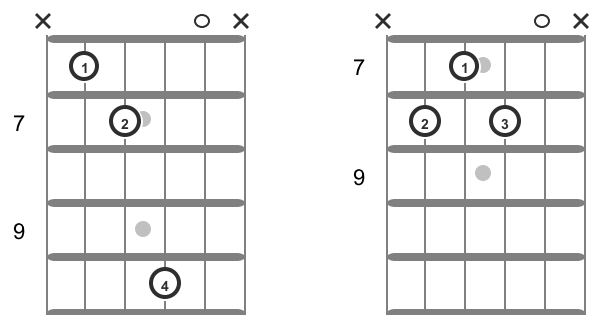
B7b5



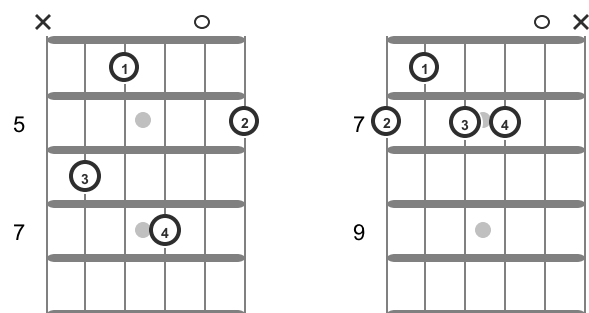
B9b5



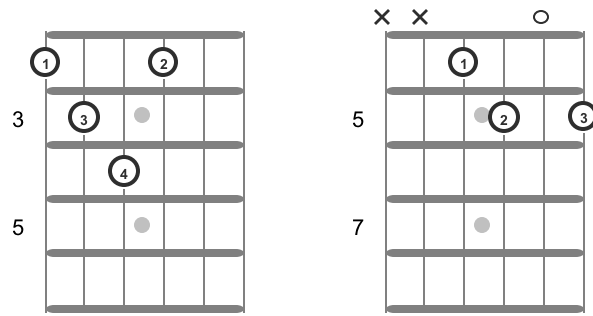
B7 #11



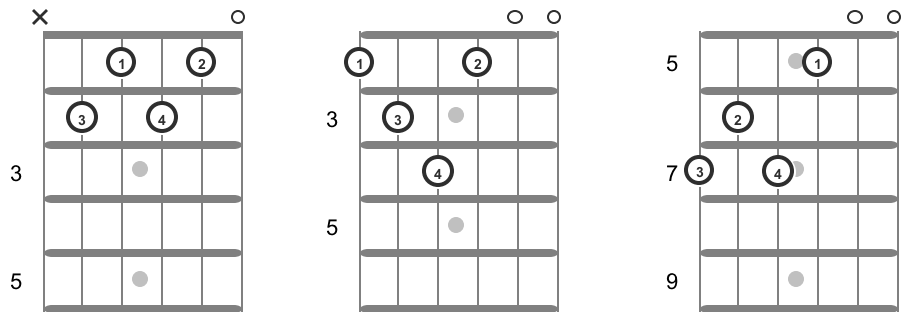
B7 #9



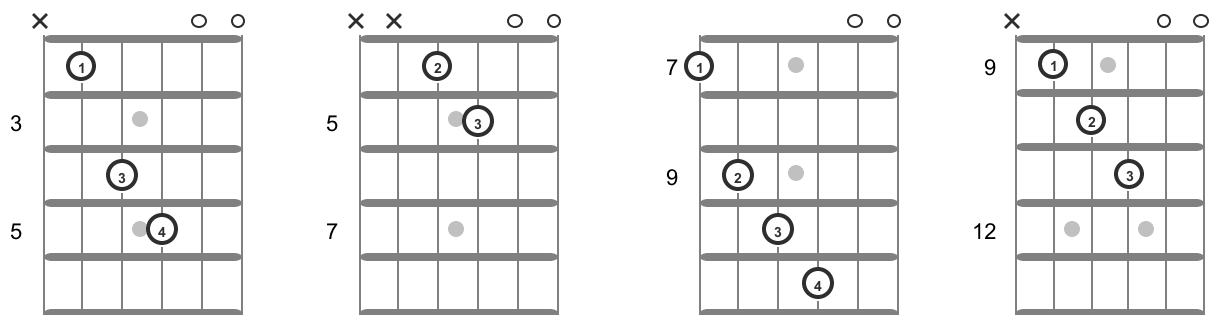
B7b9



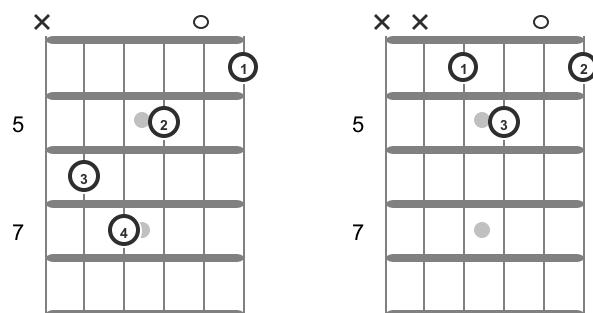
B11b9



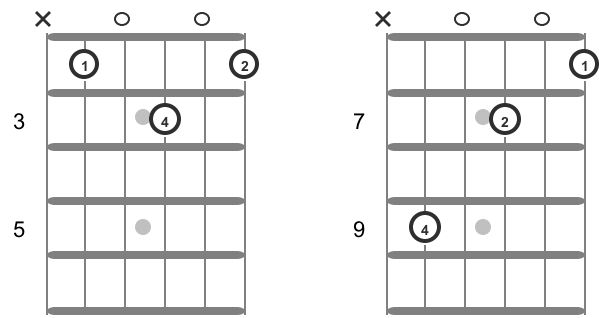
B7sus4 add9



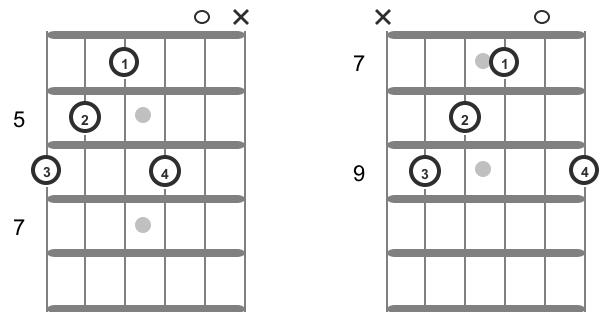
B13b9



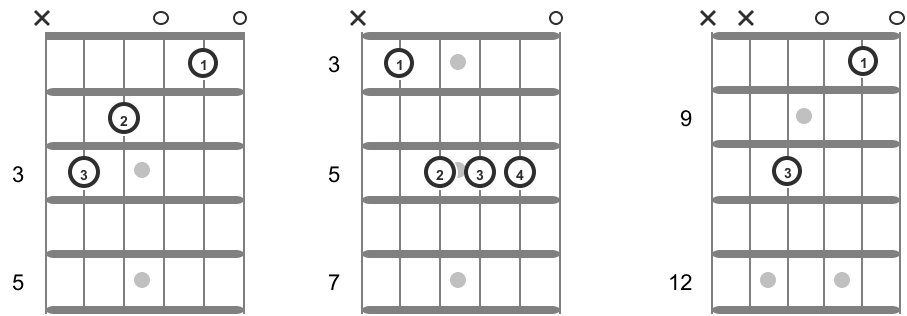
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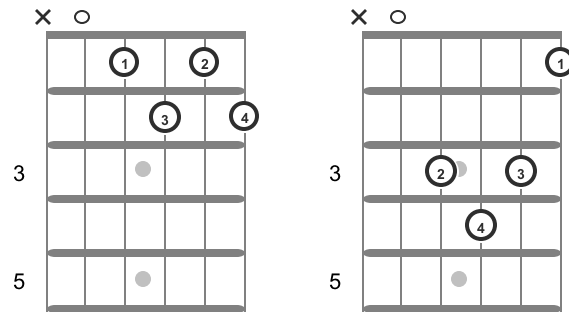
Bm#7 add9



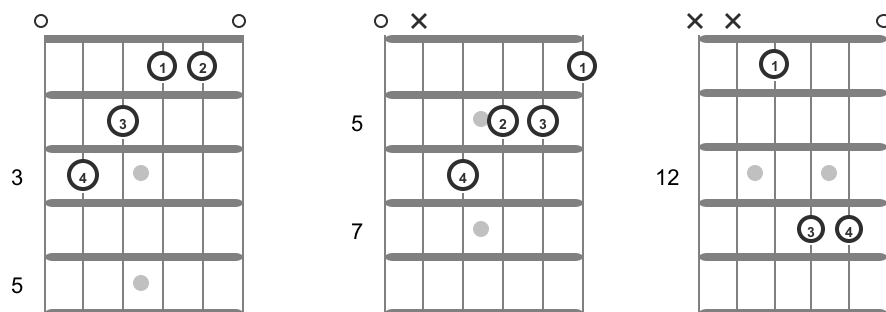
C



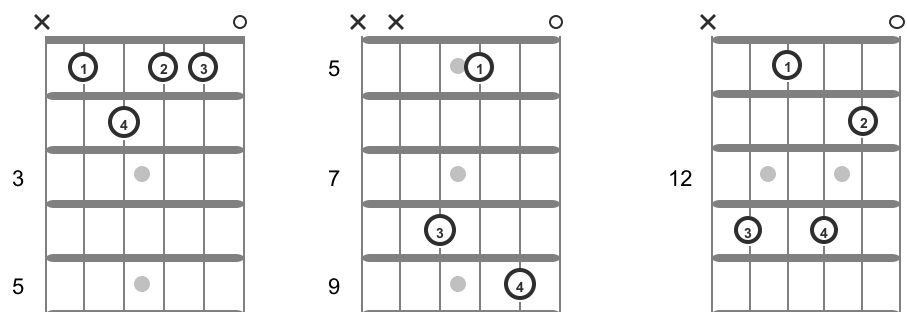
Cdim



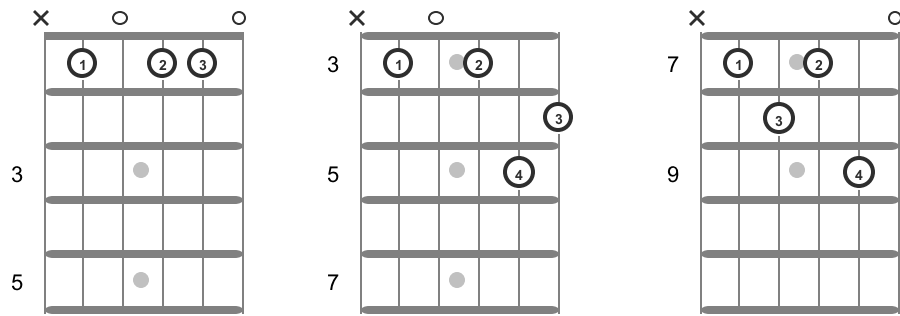
Caug



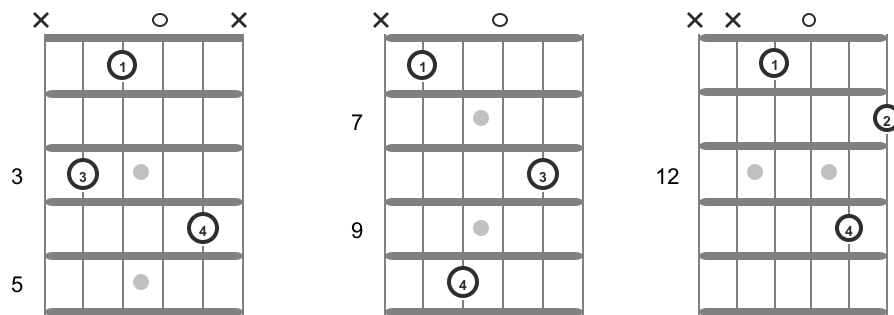
Caug7



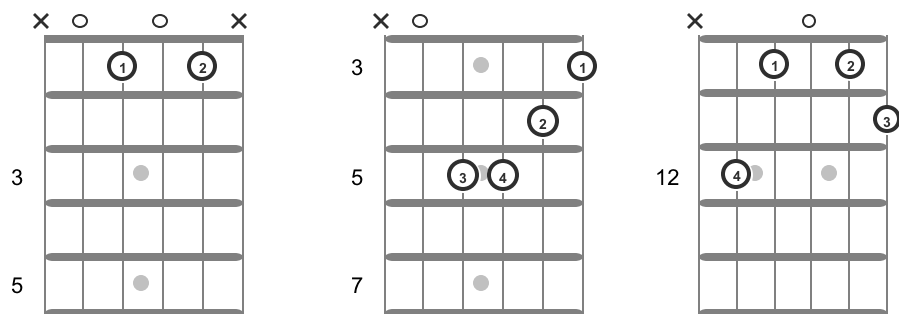
Caug9



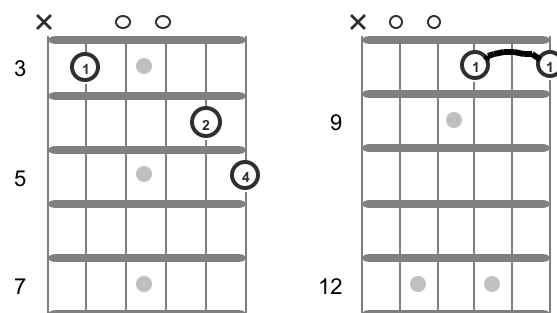
Cm



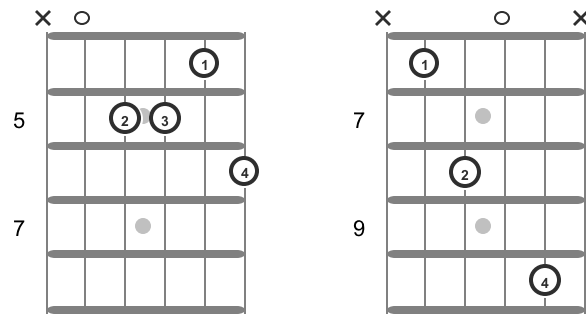
Cm6



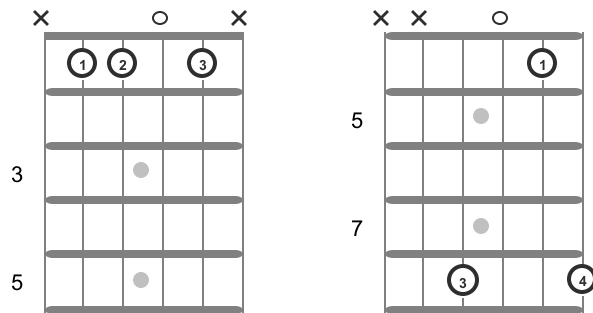
Cm6add9



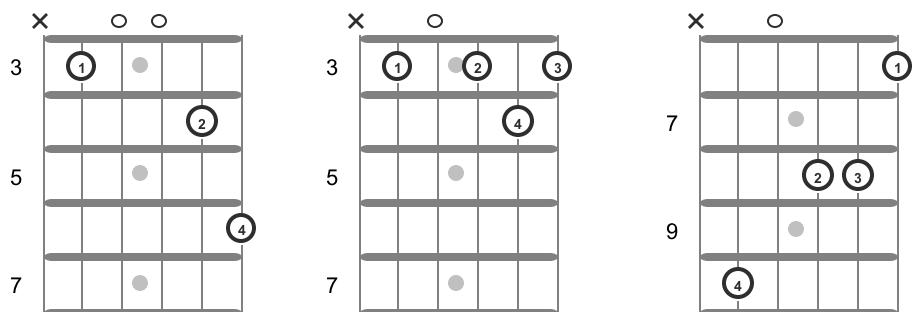
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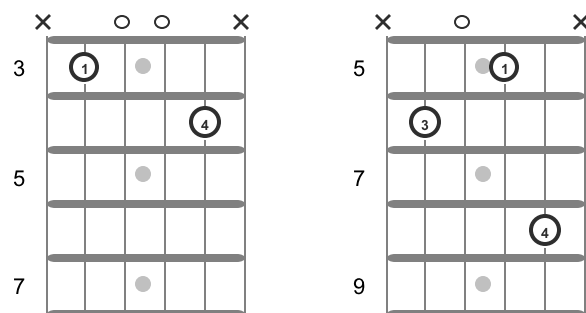
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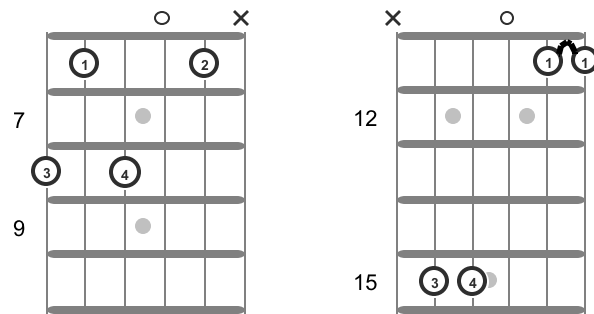
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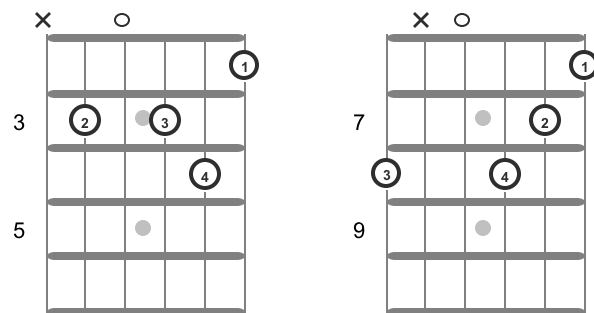
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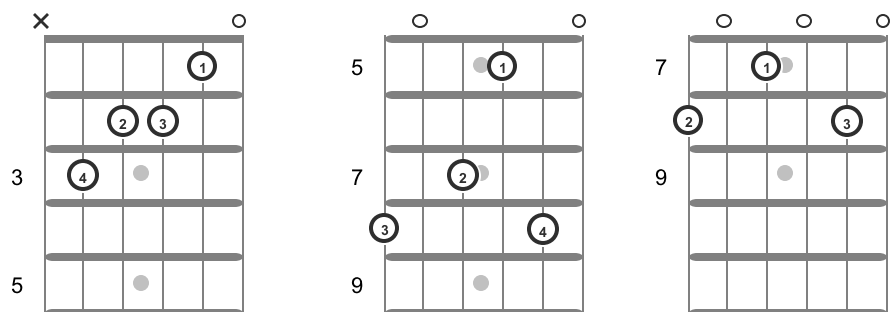
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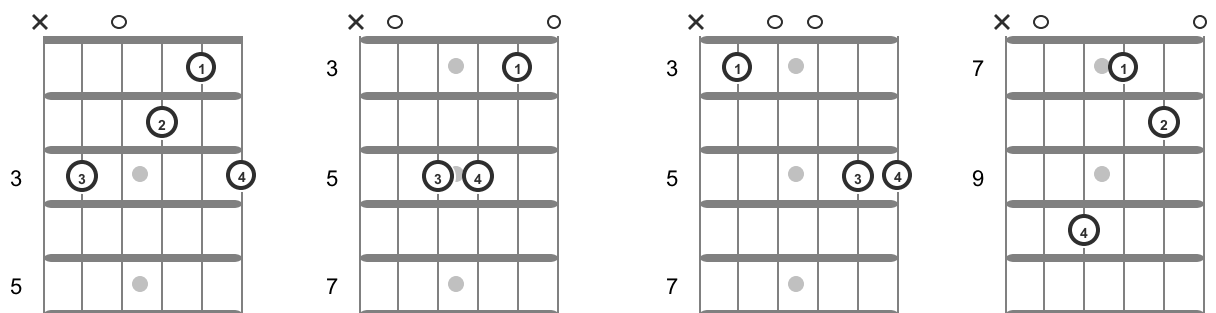
Cm9b5



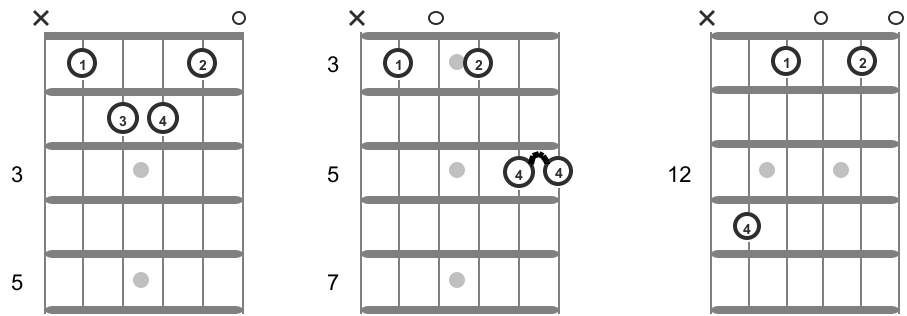
C6



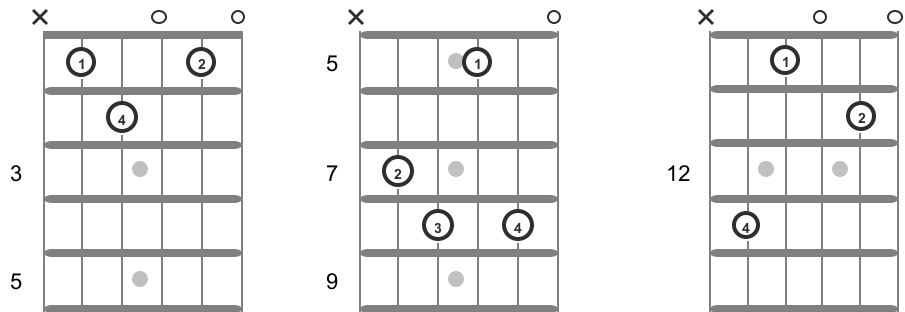
C6add9



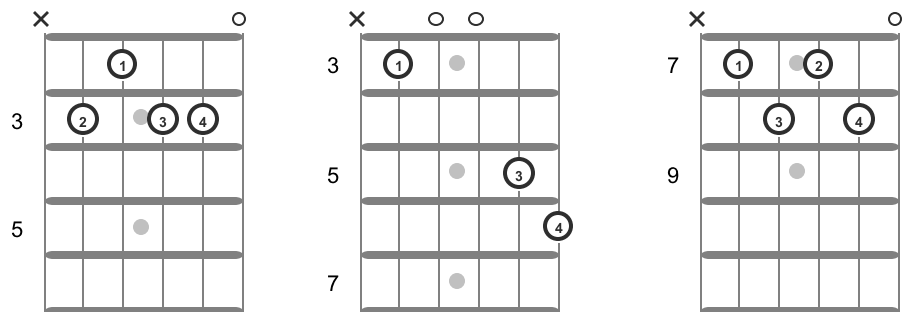
C13



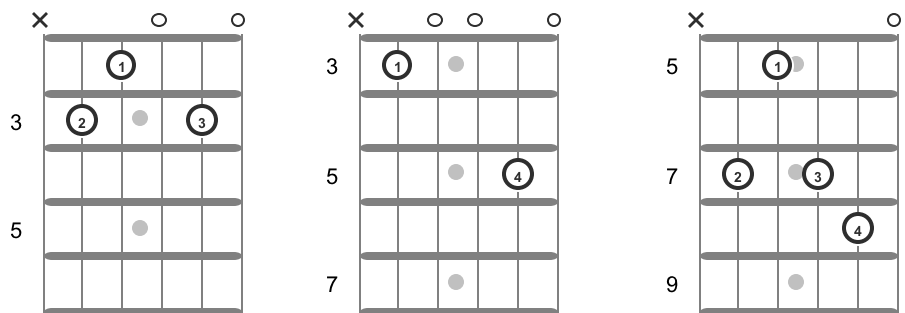
C7



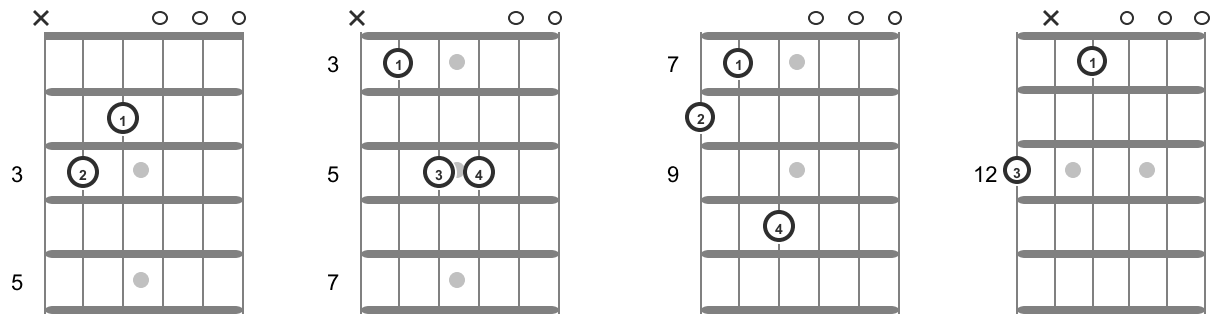
C7add9



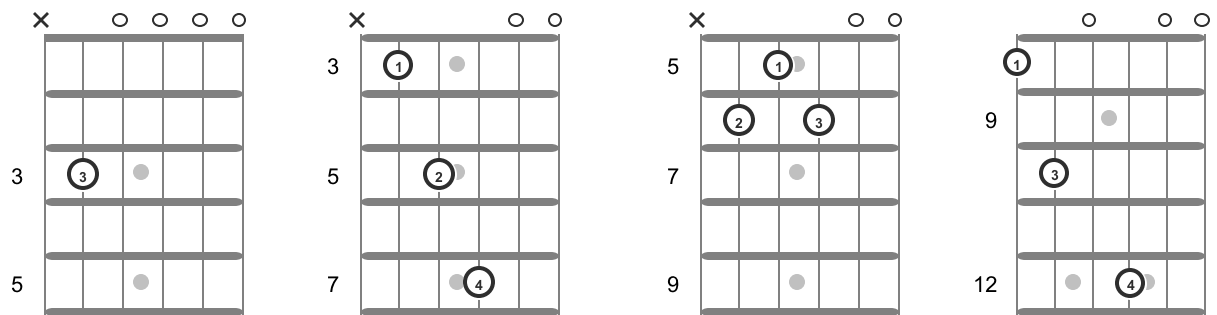
C9



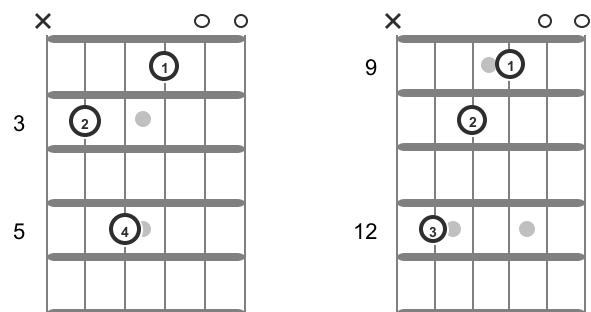
Cmaj7



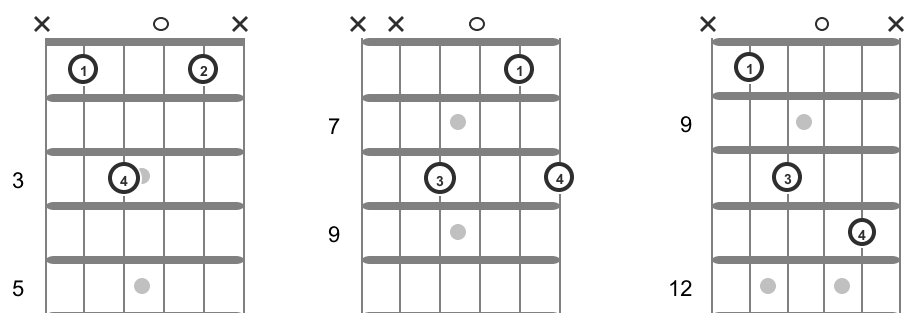
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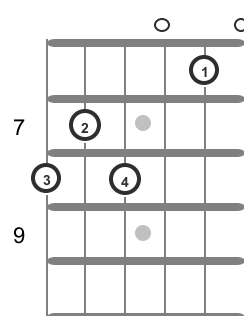
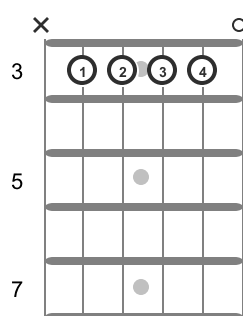
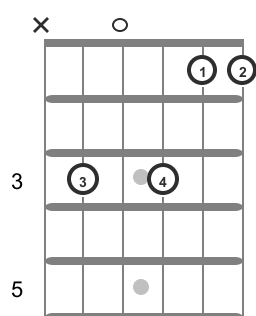
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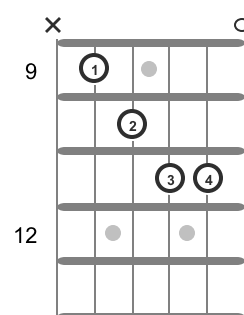
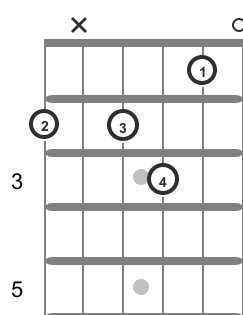
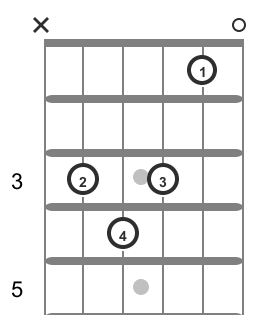
C7sus4



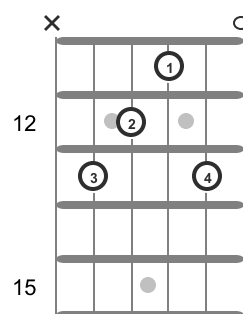
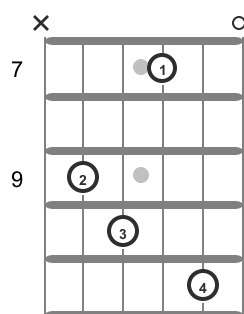
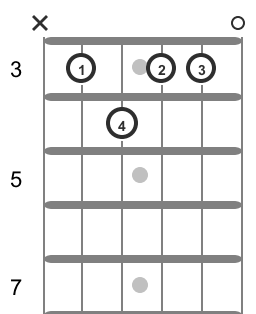
C11



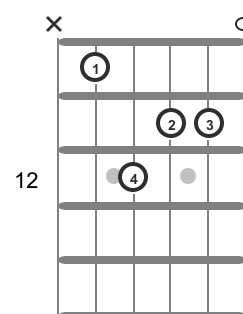
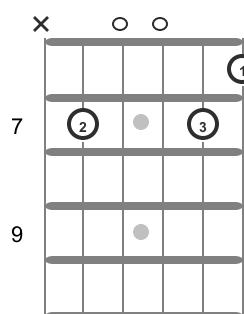
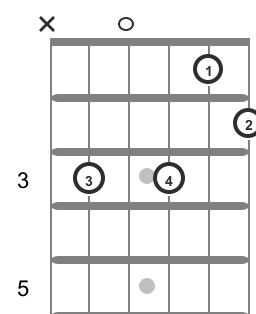
C7b5



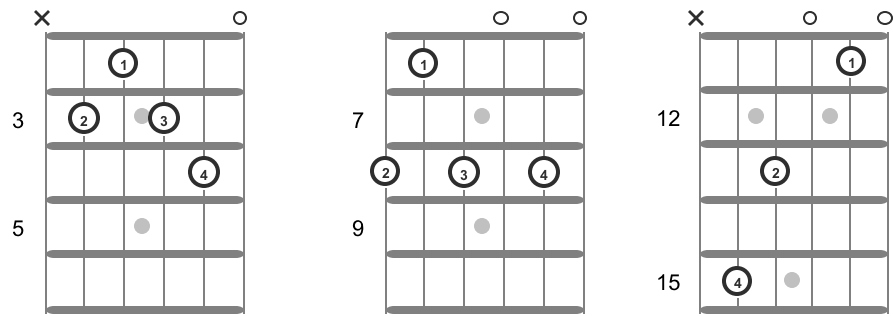
C9b5



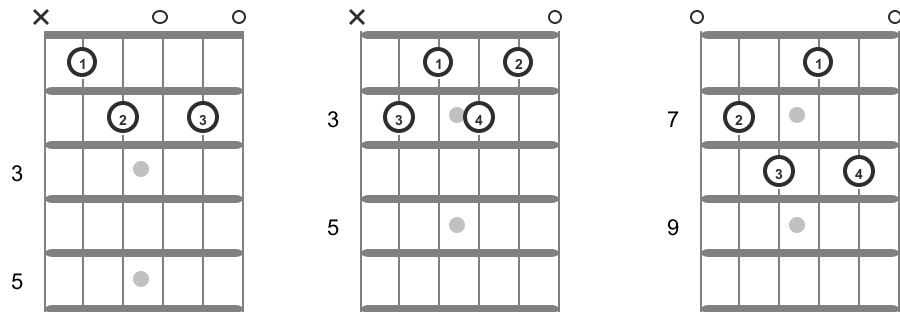
C9#11



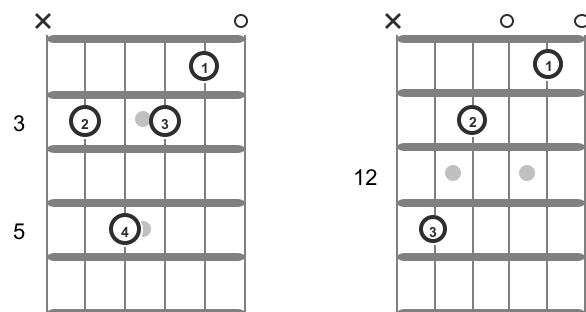
C7#9



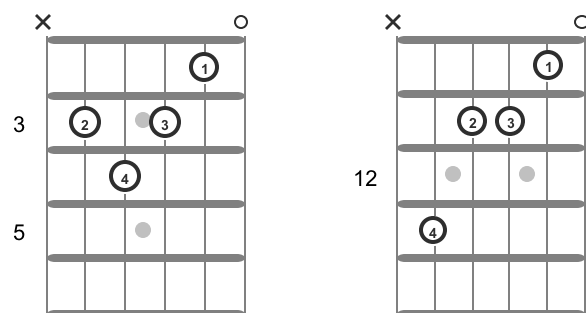
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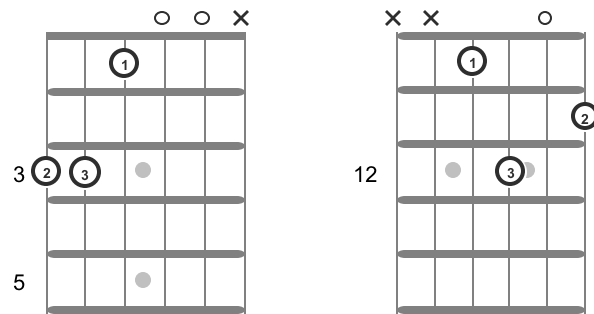
C13b9



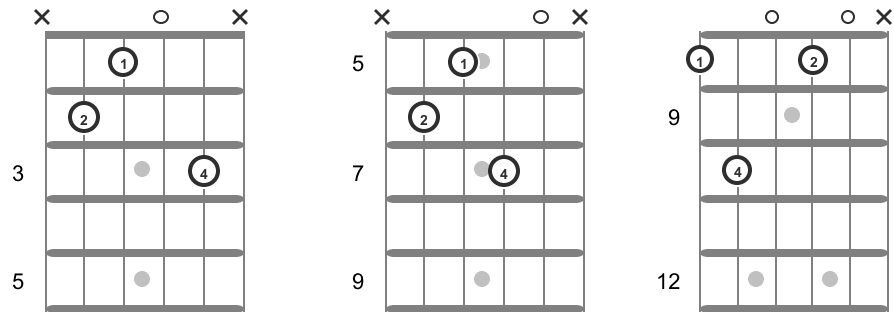
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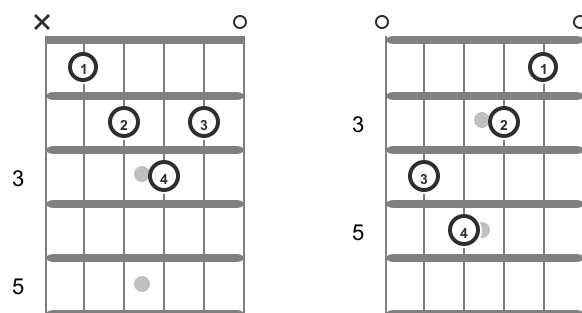
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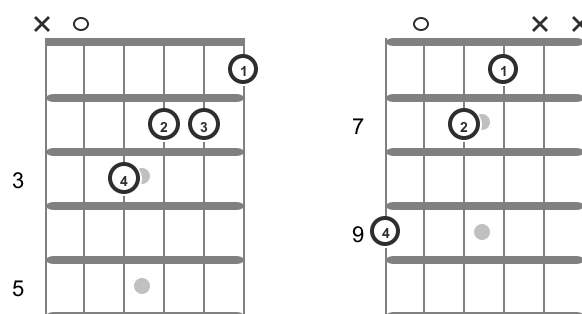
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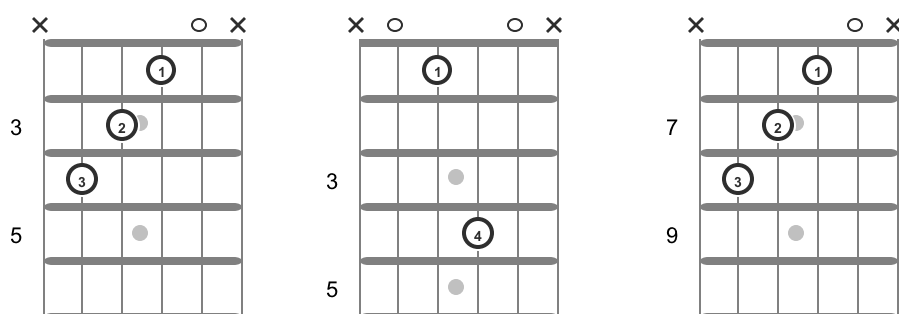
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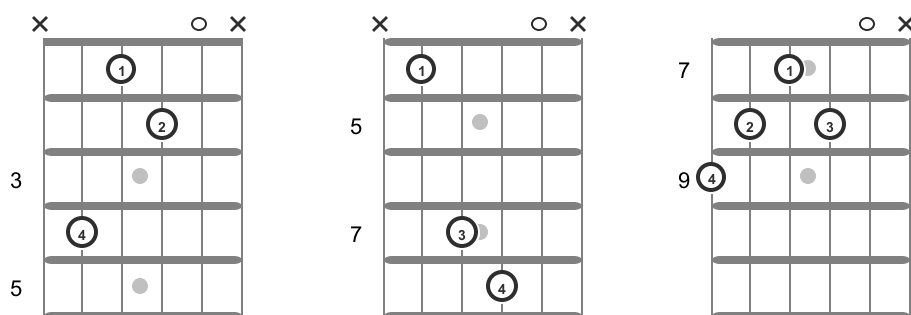
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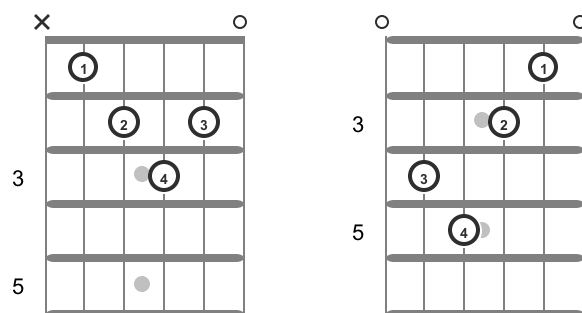
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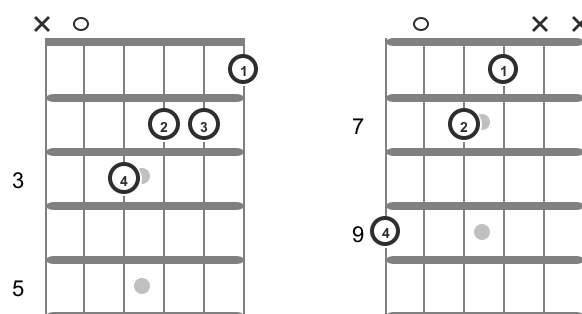
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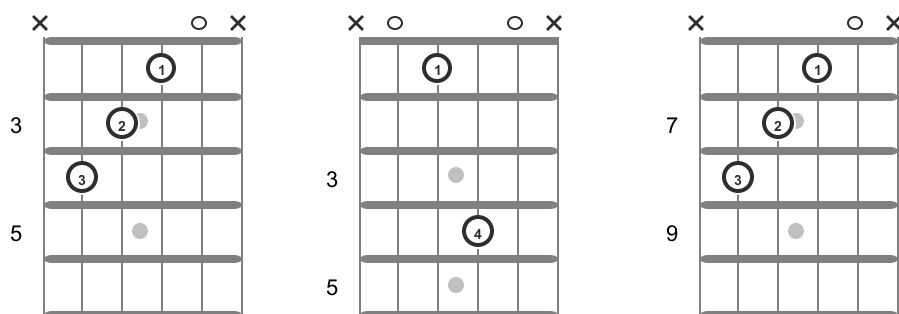
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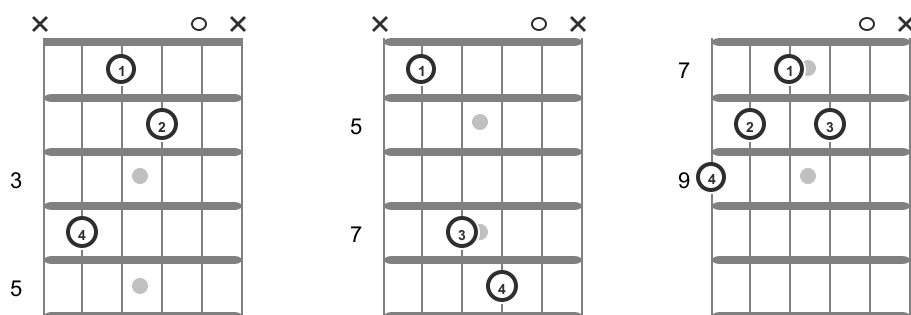
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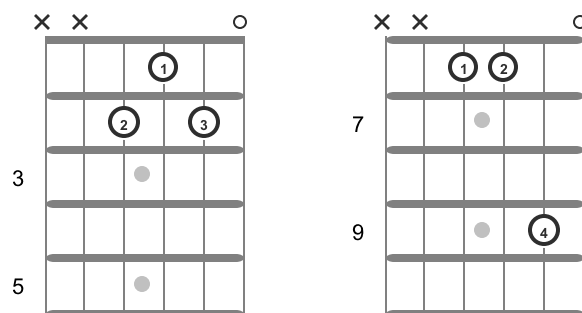
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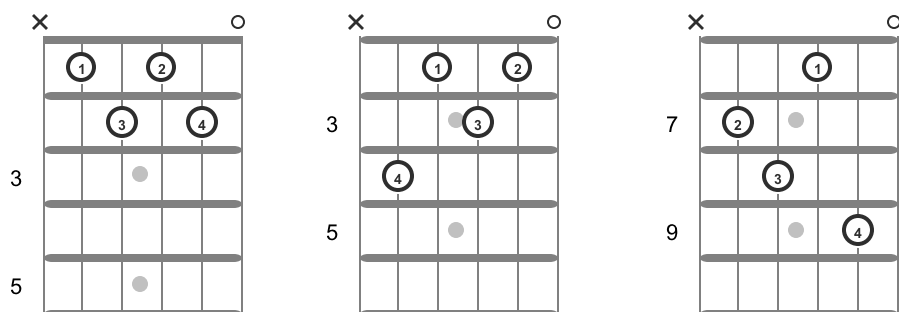
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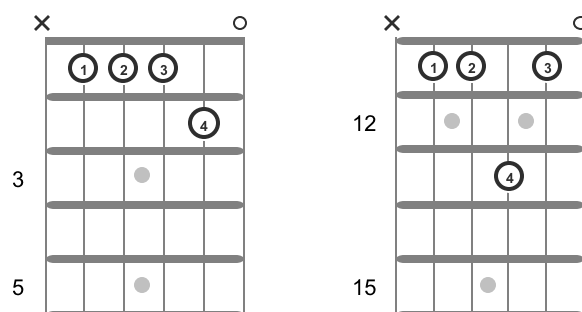
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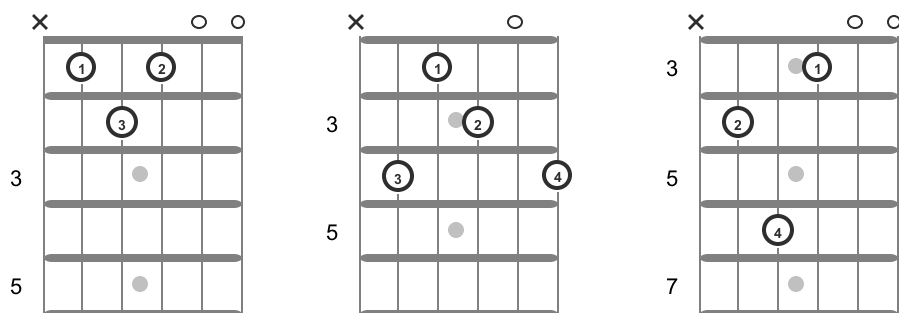
Dbm6



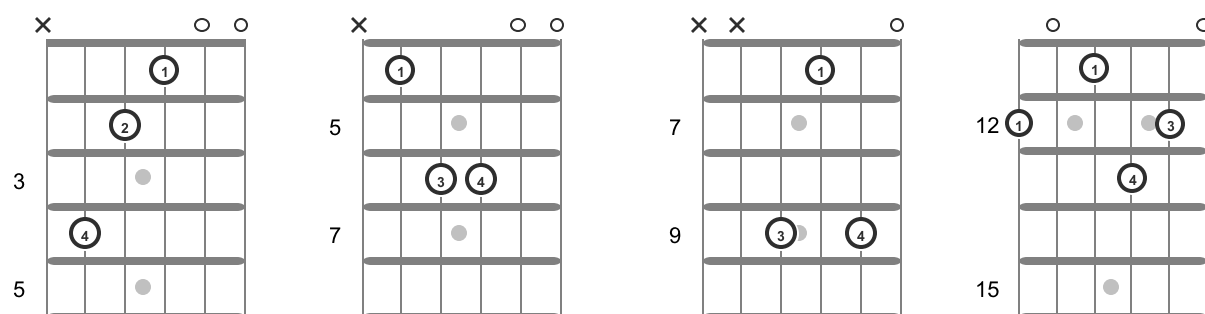
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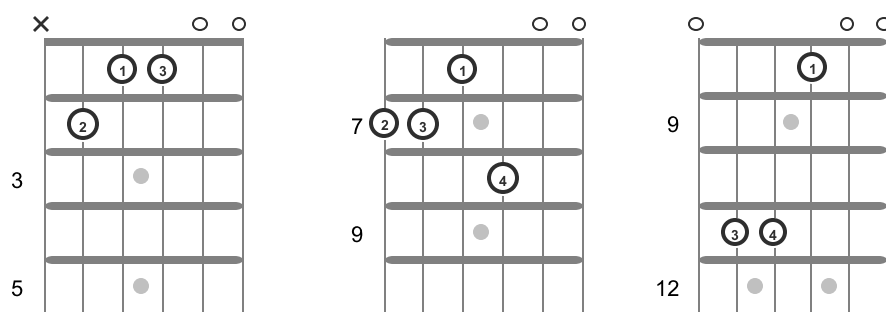
Dbm13



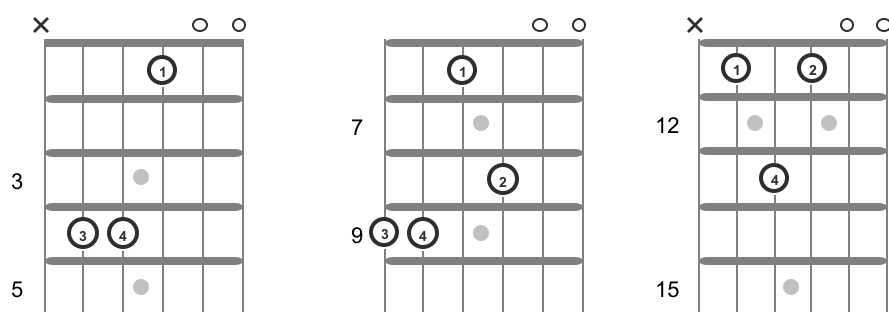
Dbm7



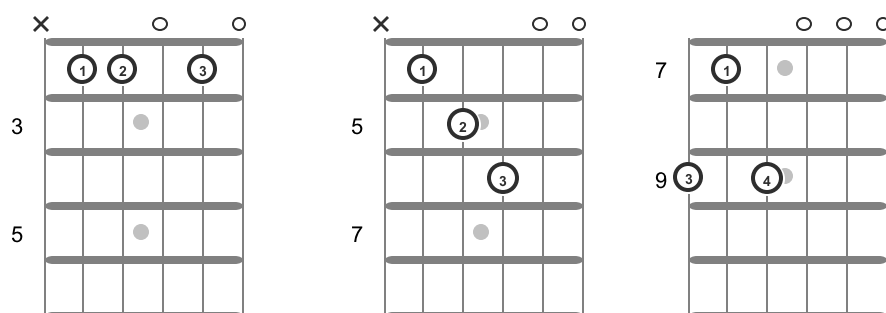
Dbm add9



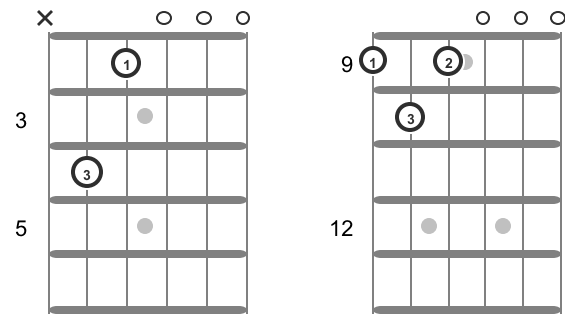
Dbm11



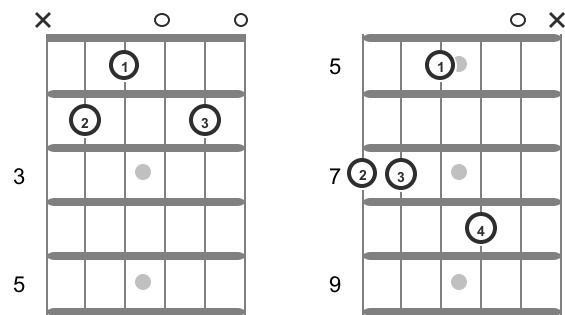
Dbm7b5



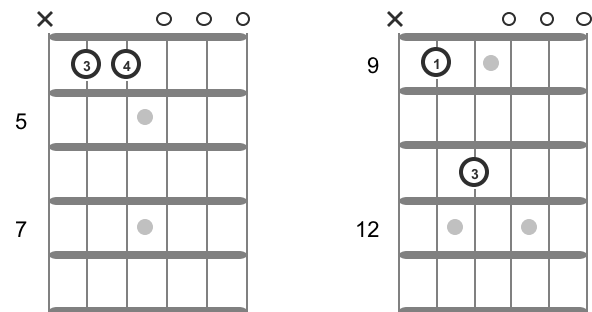
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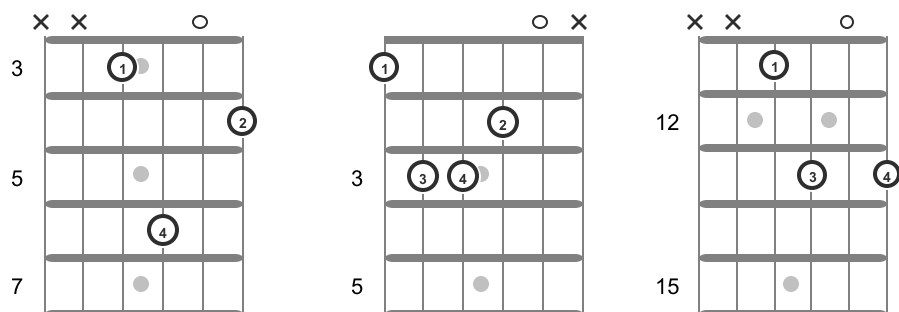
Dbm9b5



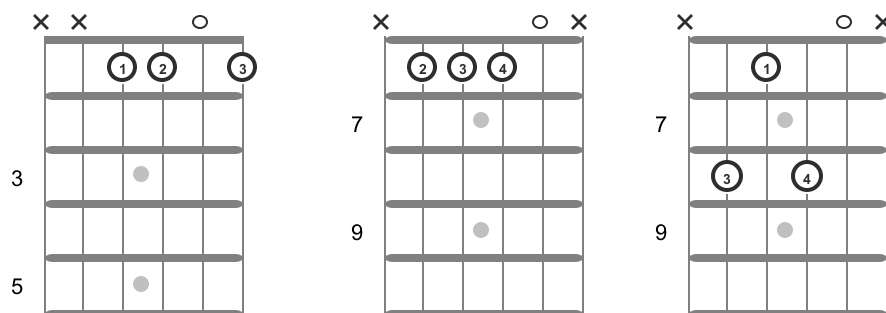
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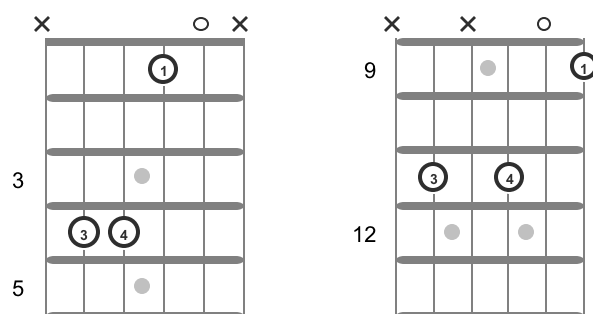
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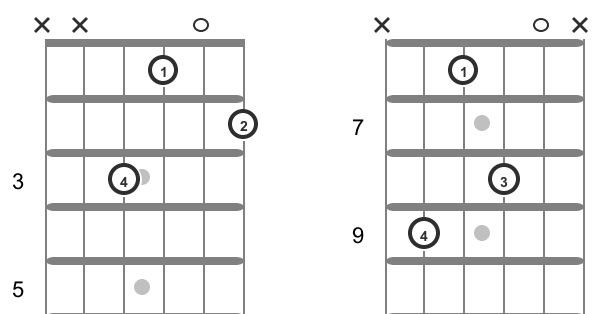
Db9



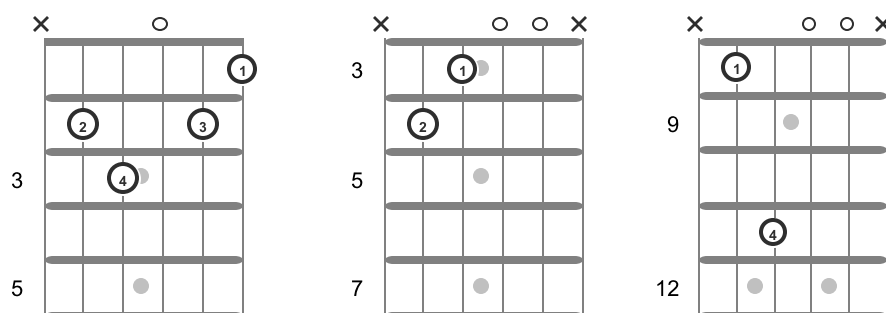
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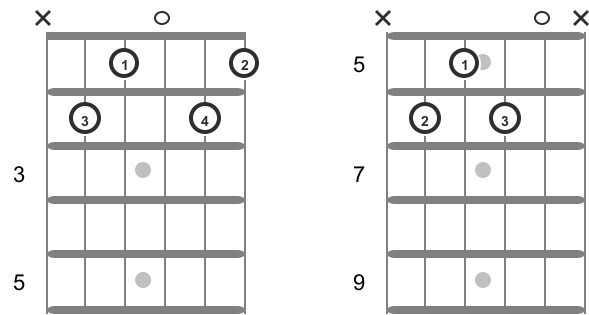
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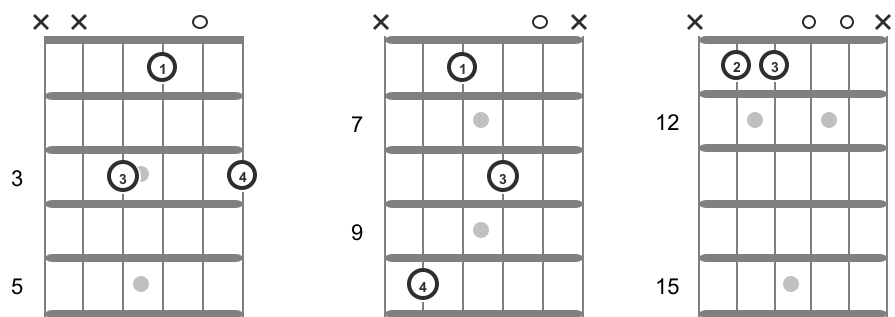
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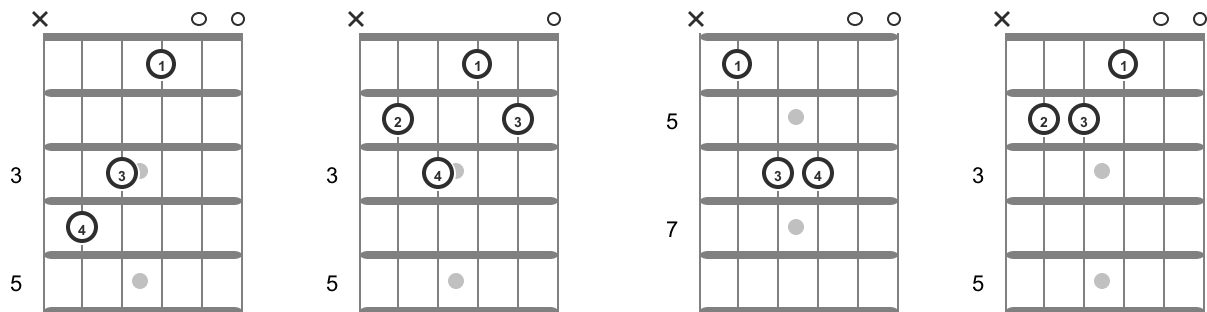
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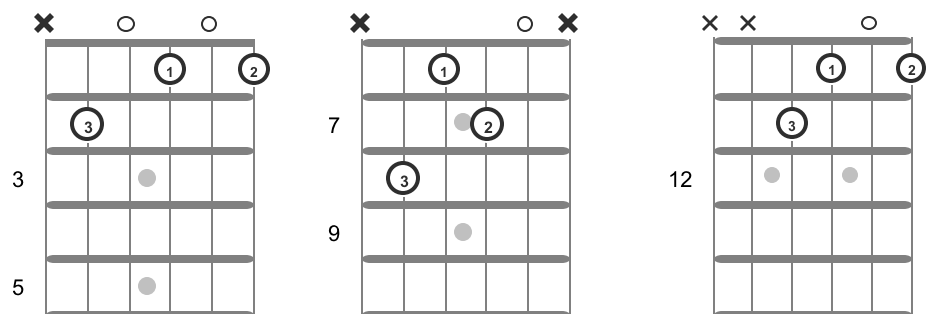
Db9#11



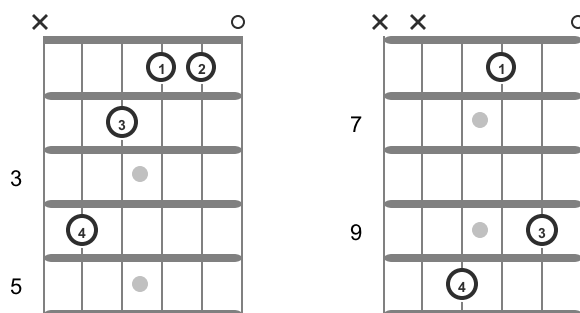
Db7#9



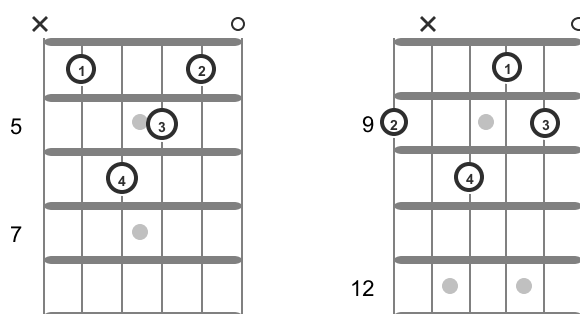
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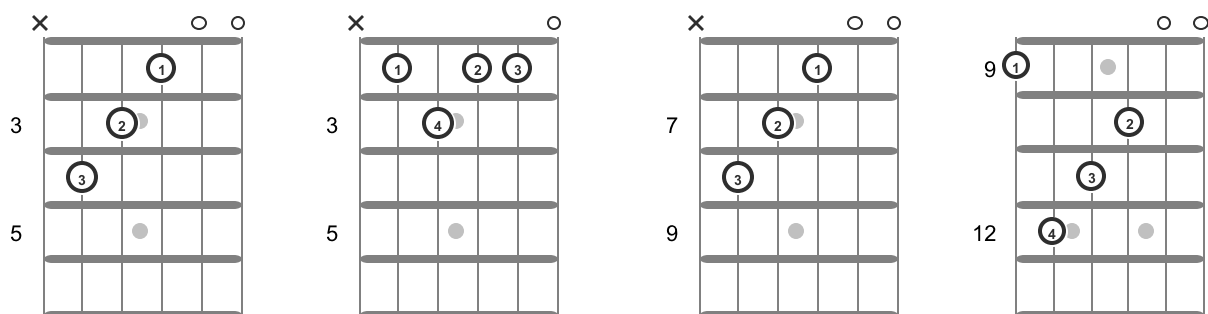
Dbm#7



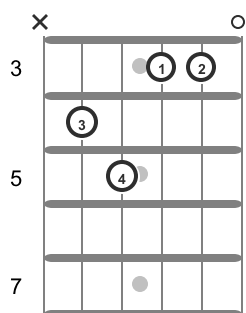
Dbm#7/9



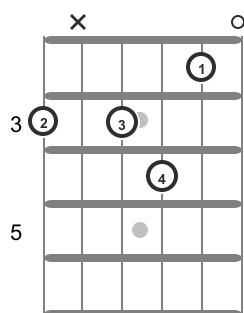
Dbaug7 #9



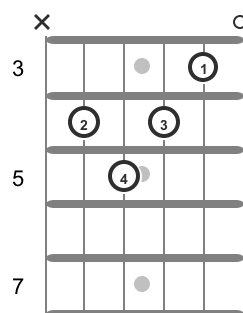
Dbm13b5



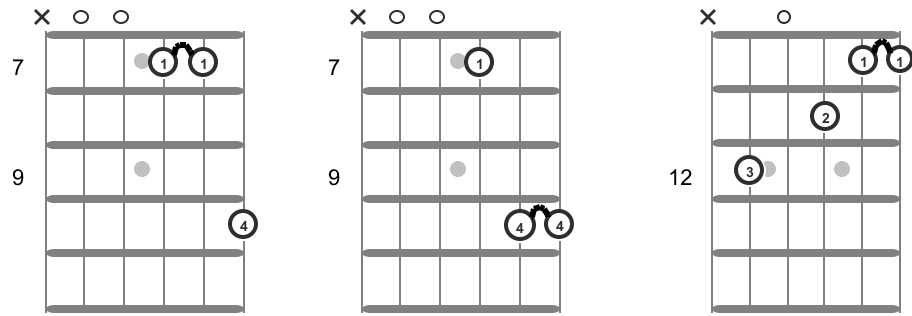
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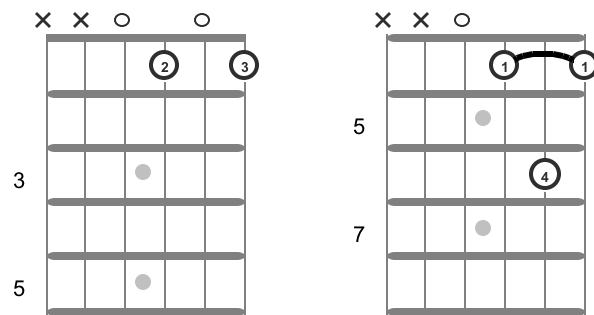
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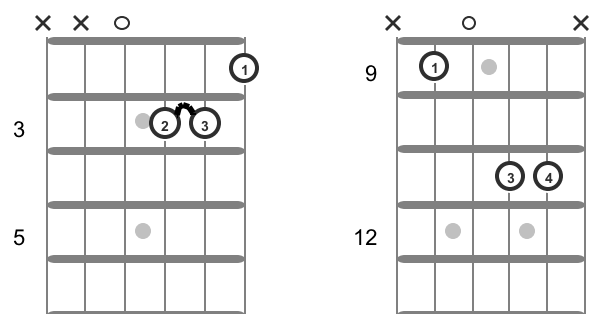
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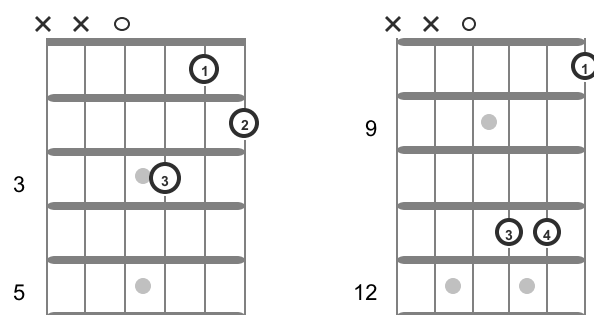
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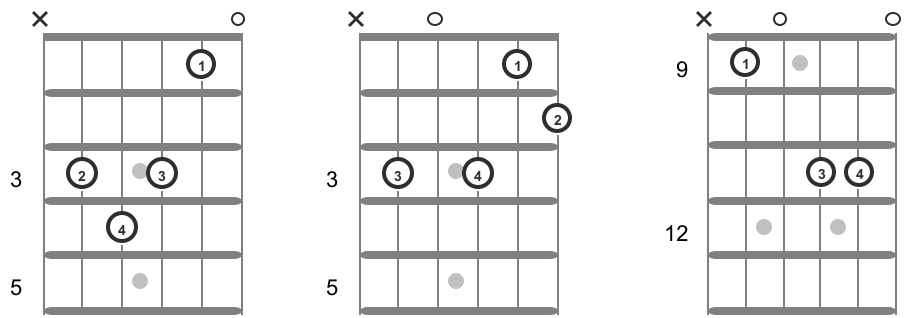
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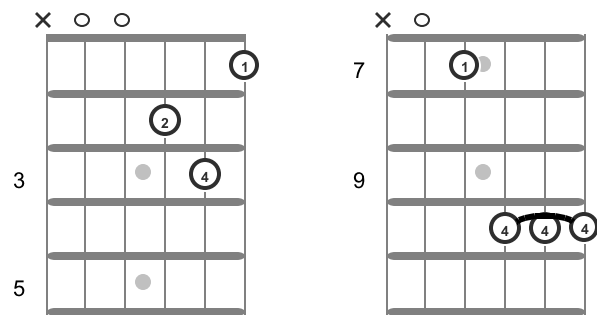
Daug7



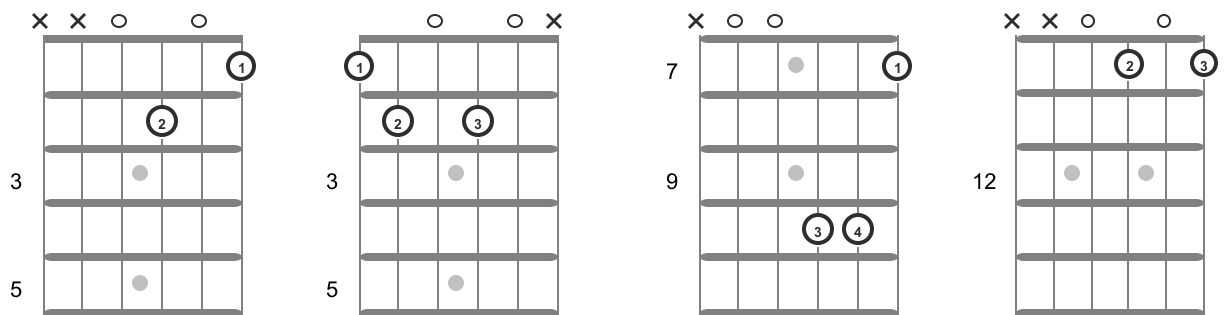
Daug9



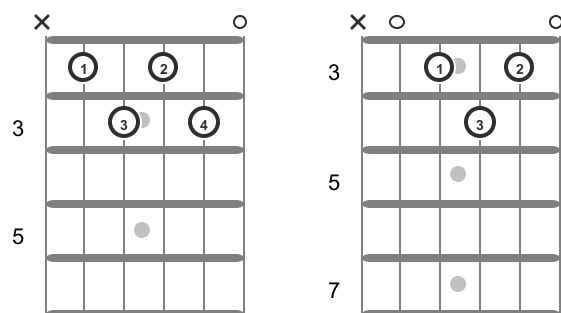
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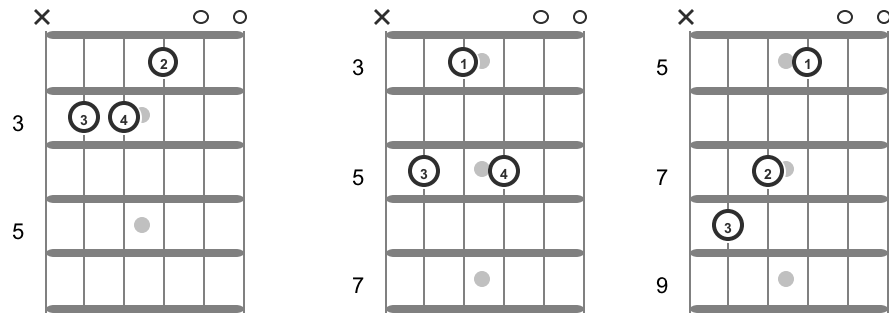
Dm6



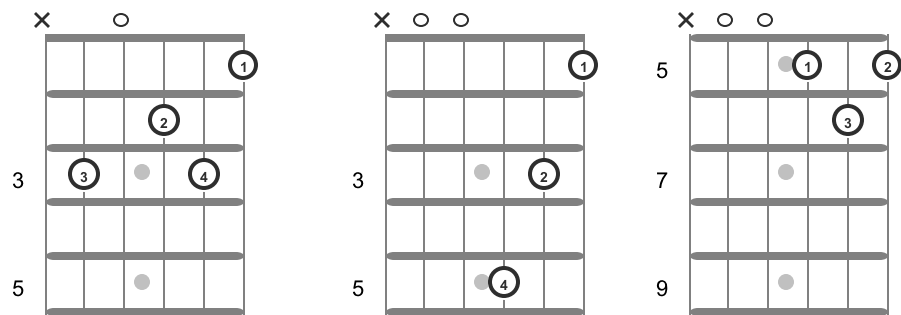
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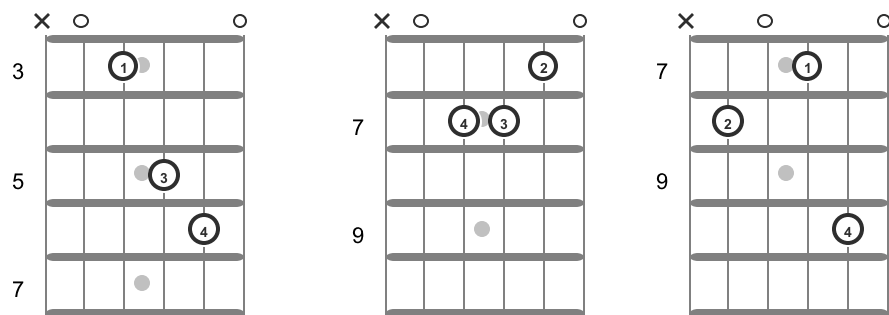
Dm13



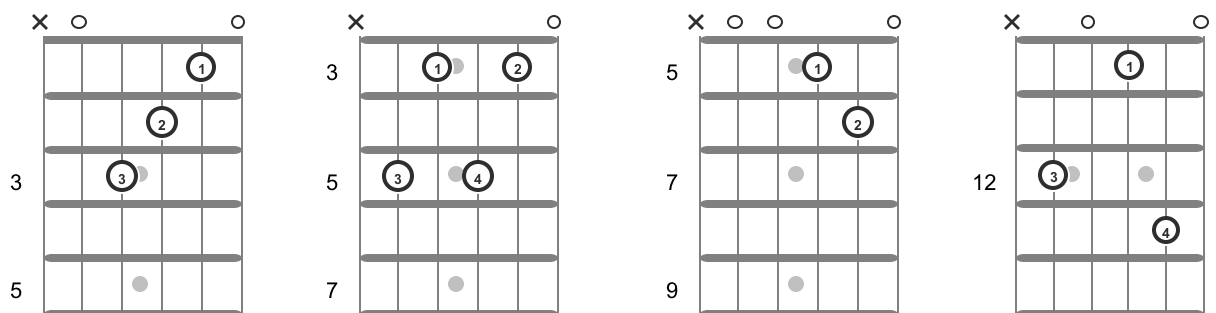
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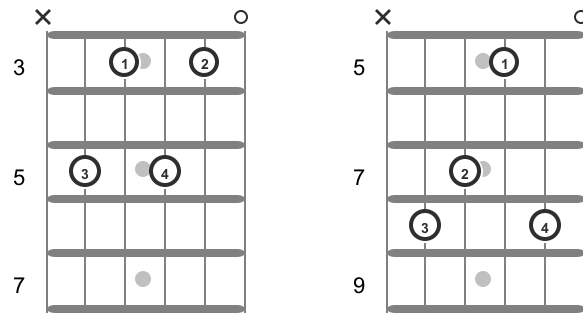
Dm add9



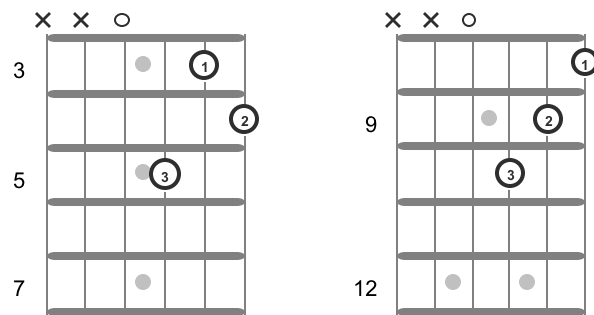
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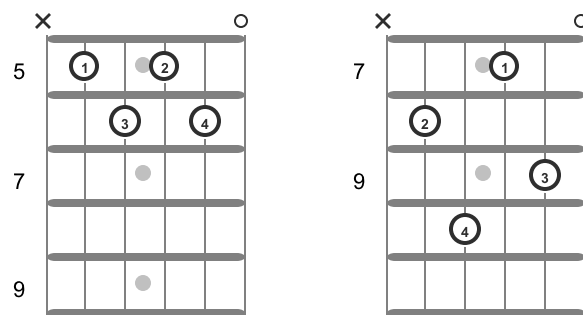
Dm11



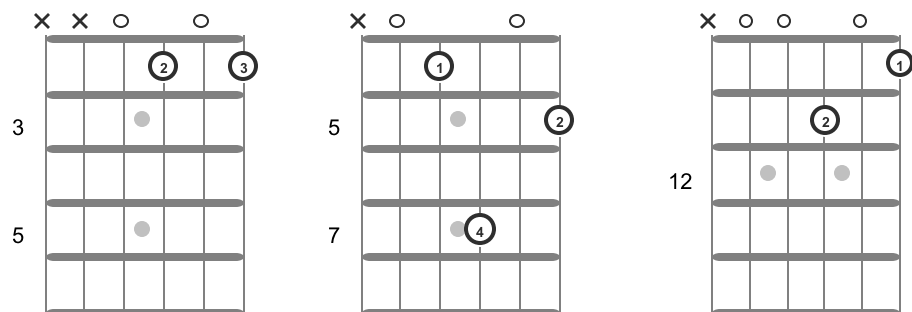
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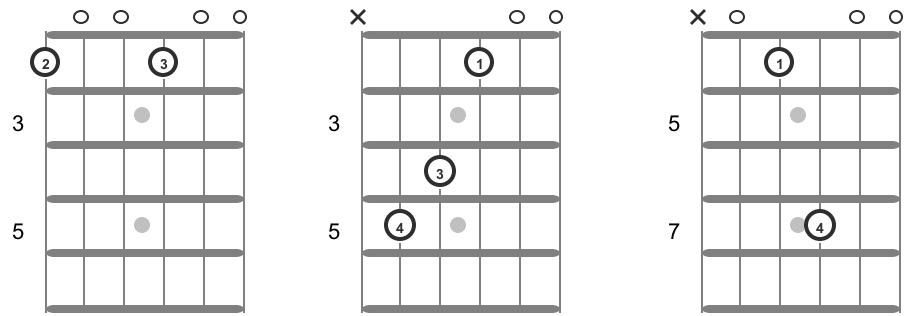
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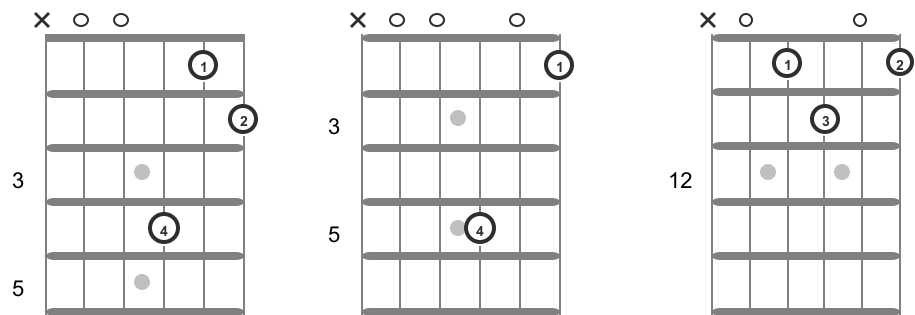
D6



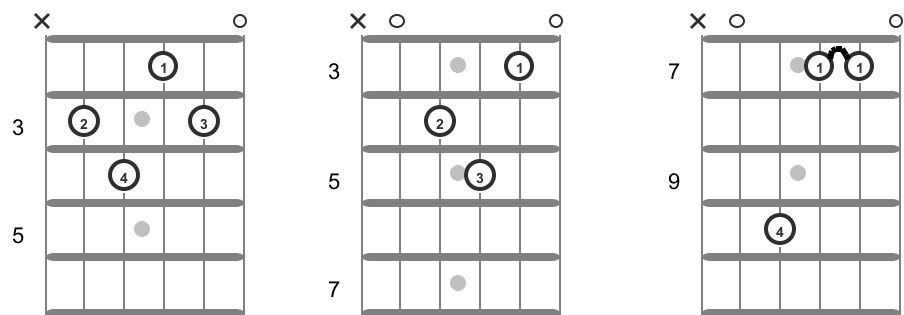
D9add6



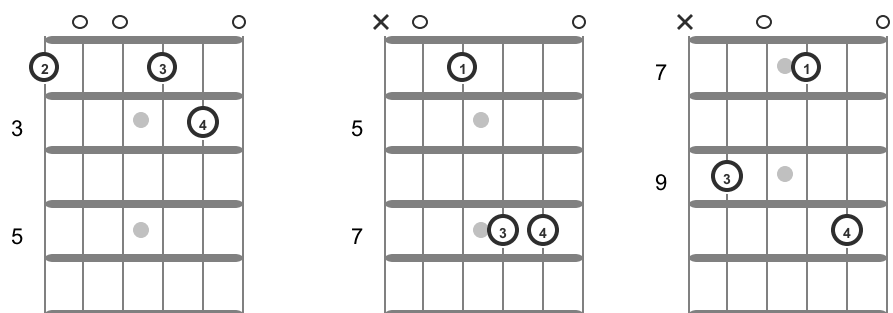
D13



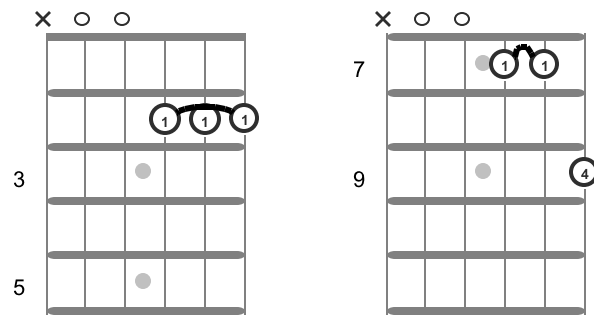
D9



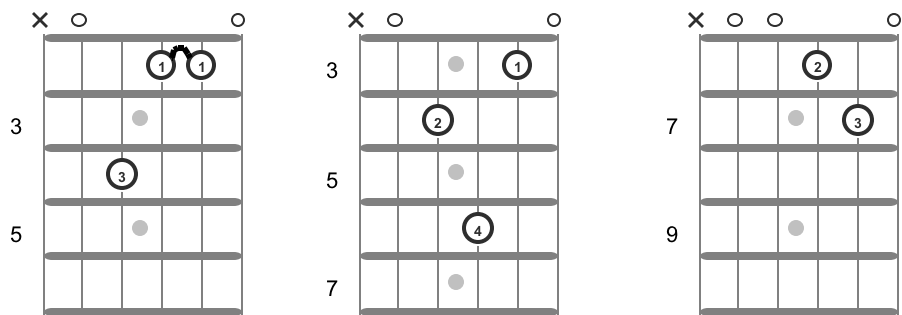
Dadd9



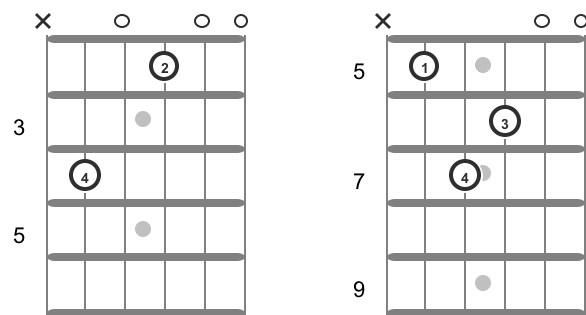
Dmaj7



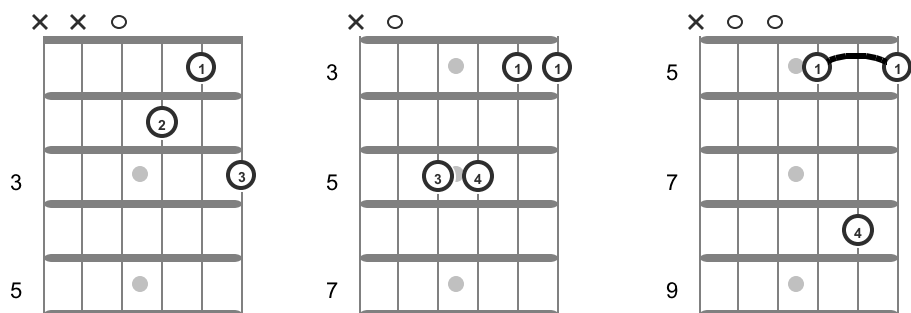
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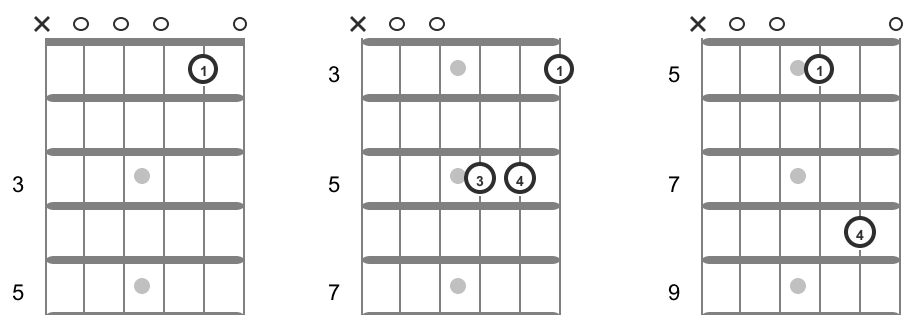
Dmaj13



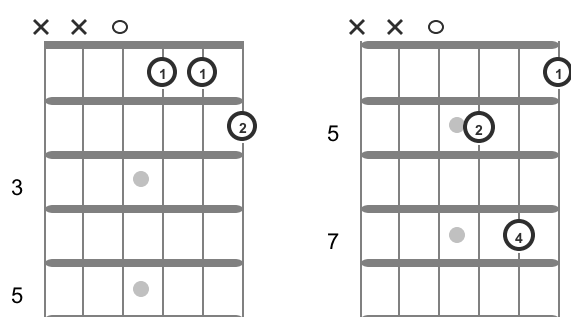
D7sus4



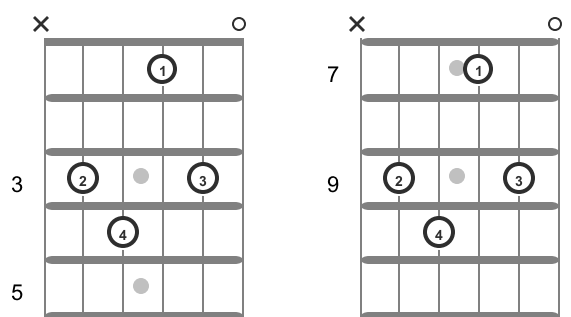
D11



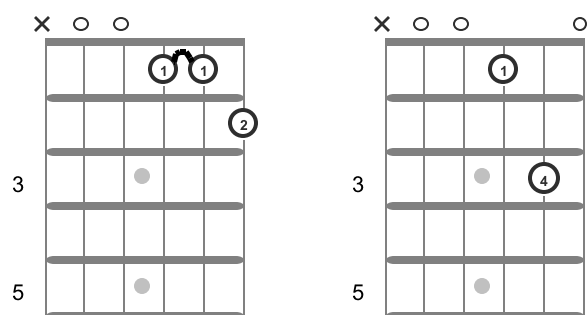
D7b5



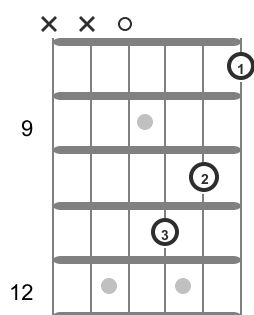
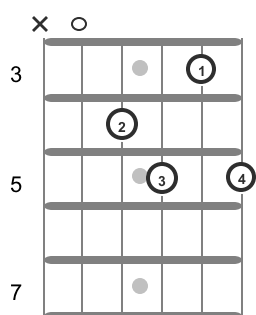
D9b5



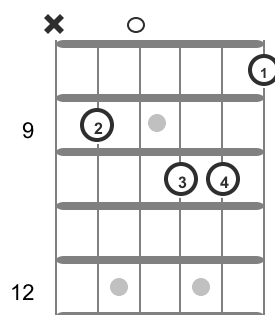
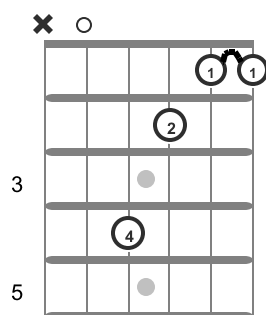
D9#11



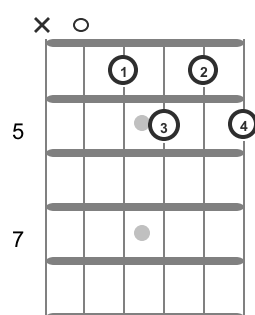
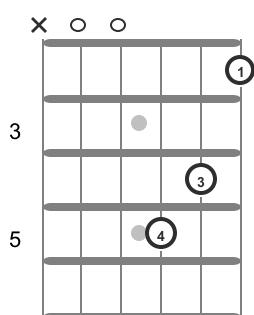
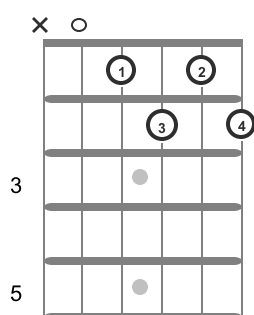
D7



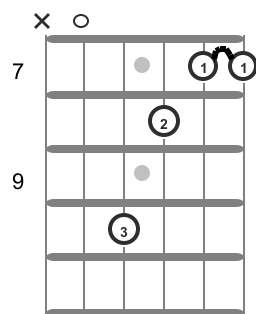
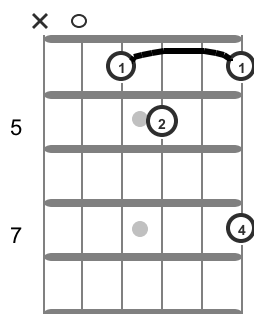
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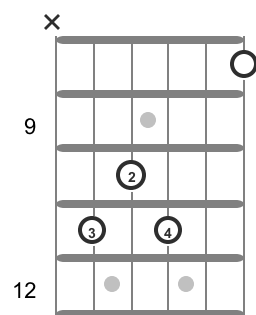
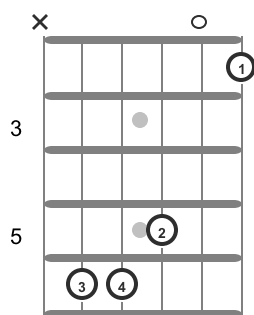
D7b9



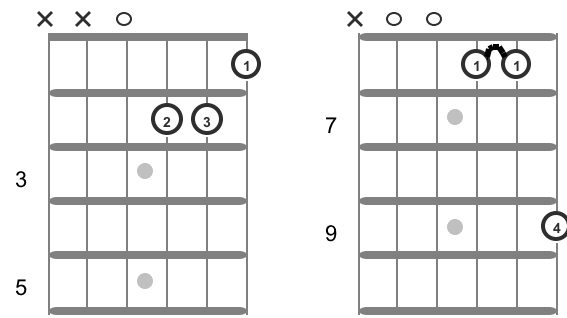
D13b9



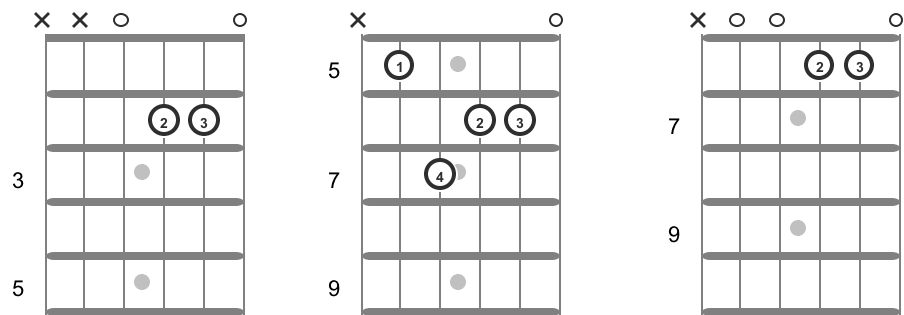
D13b5b9



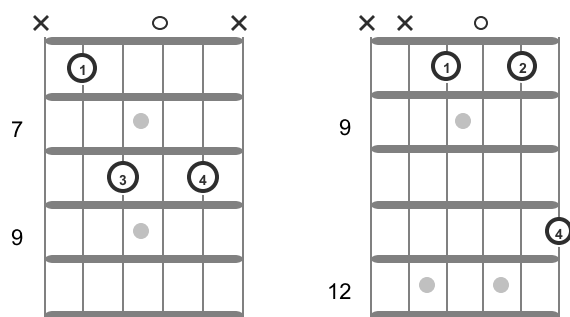
Dm#7



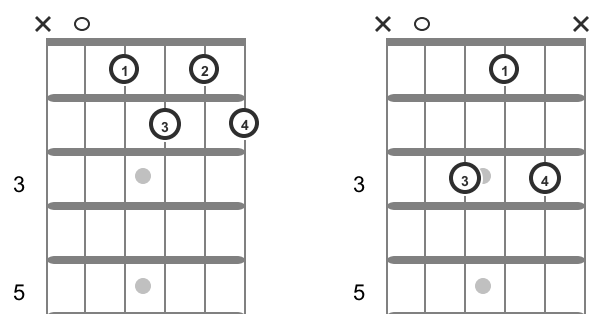
Dm#9



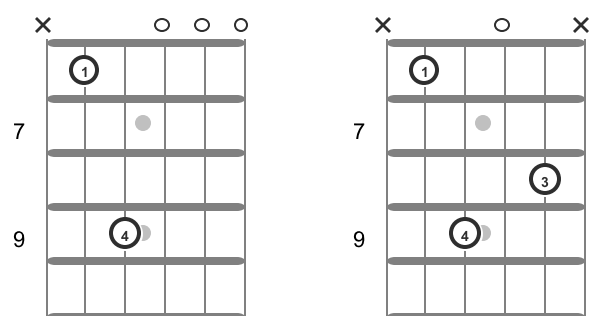
Eb



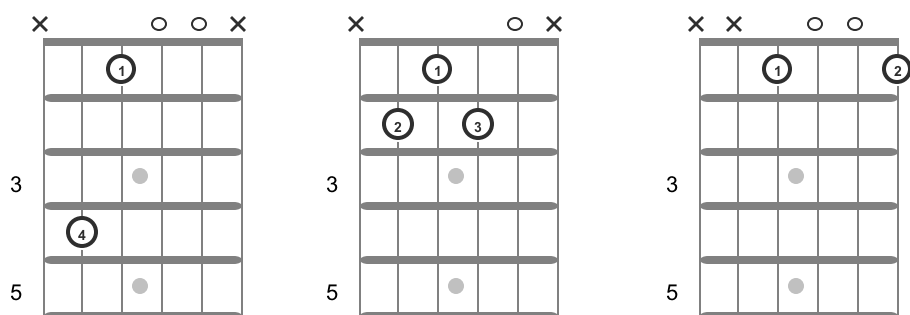
Ebdim



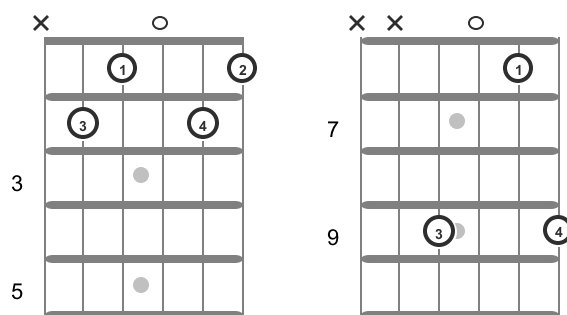
Ebaug



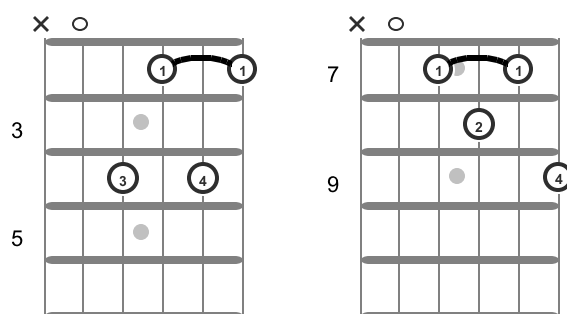
Ebaug7



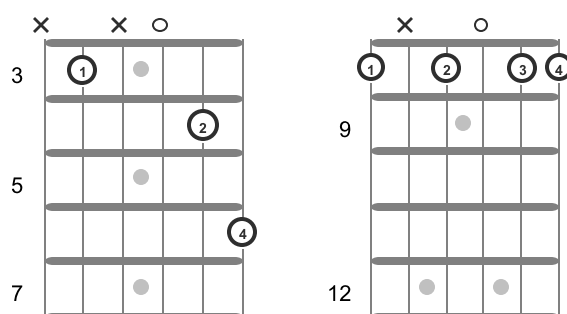
Ebaug9



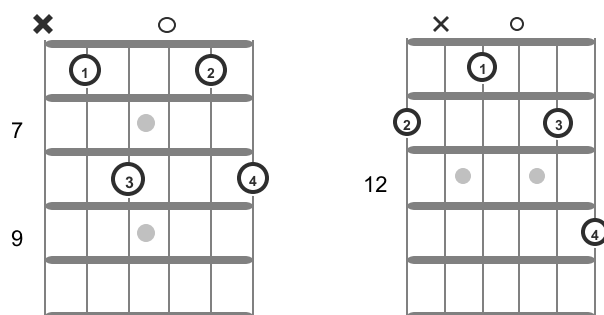
Ebm7b5



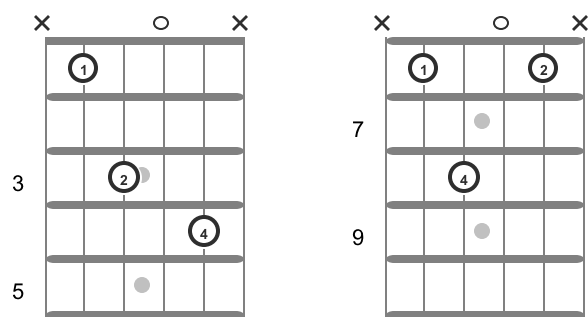
Eb6



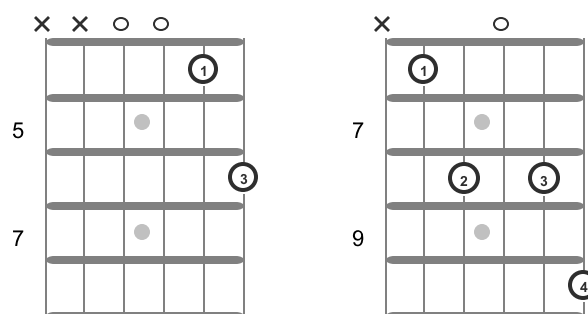
Eb9add6



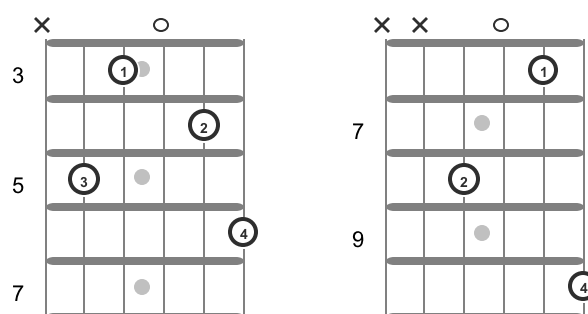
Ebadd9



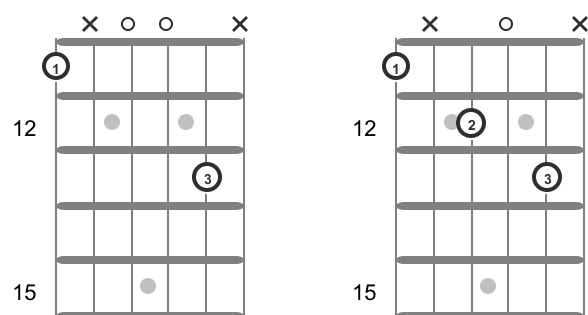
Ebmaj7



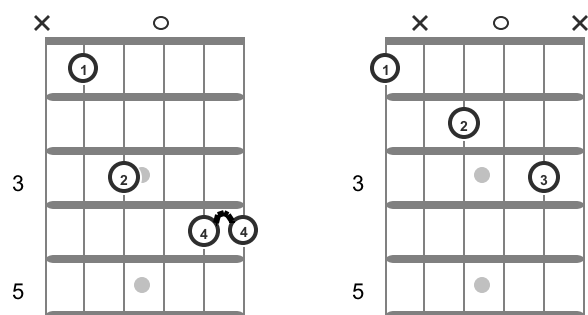
Ebmaj9



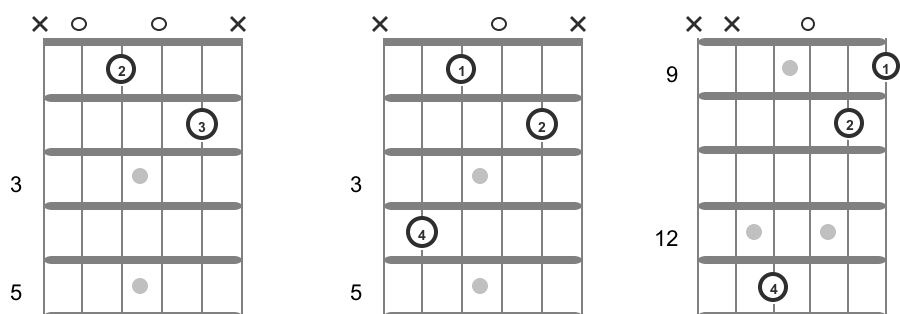
Ebmaj13



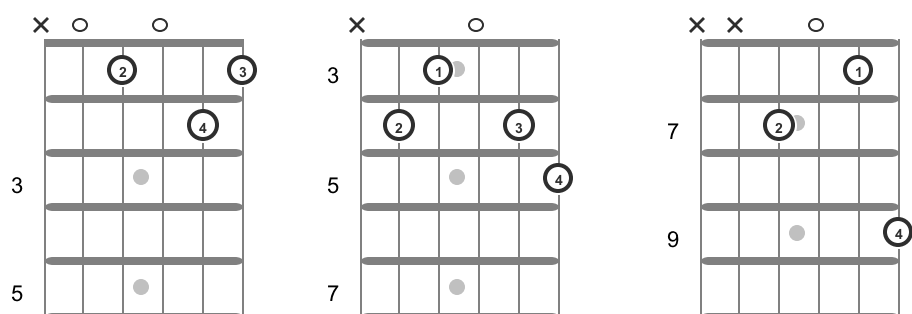
Eb11



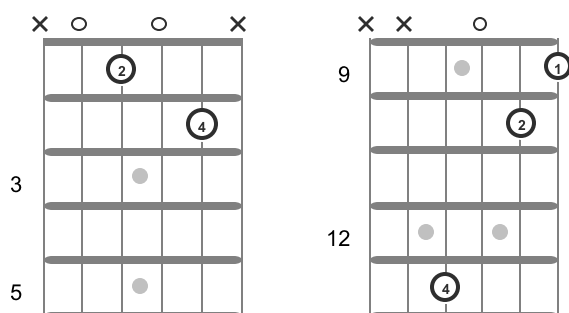
Eb7b5



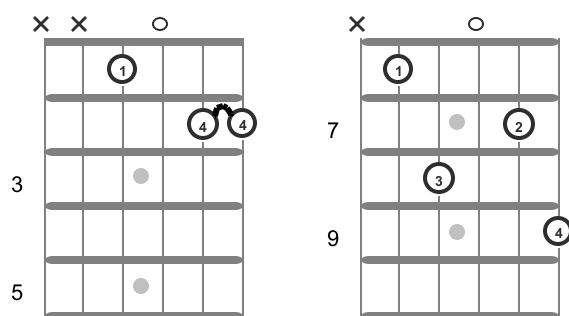
Eb9b5



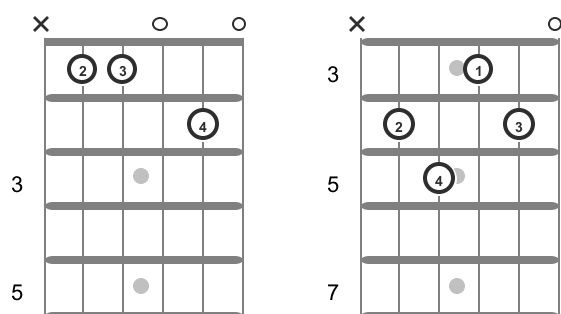
Eb7 #11



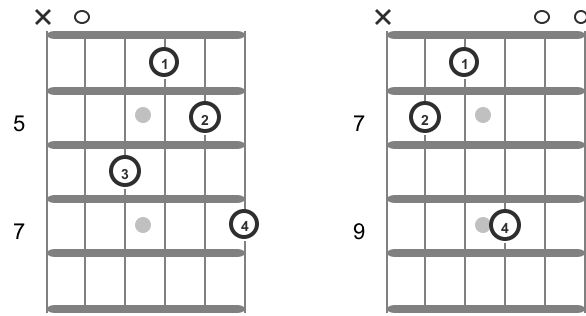
Eb7 #9



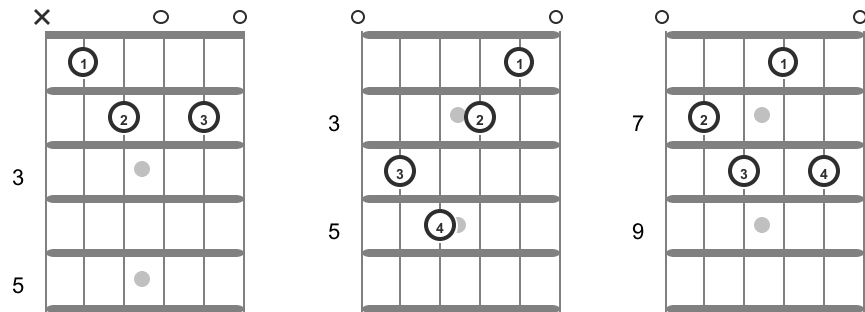
Eb7b9



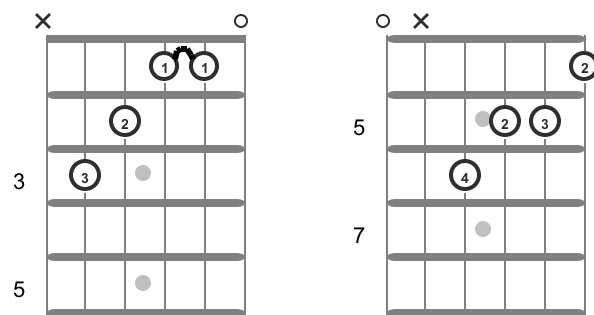
E



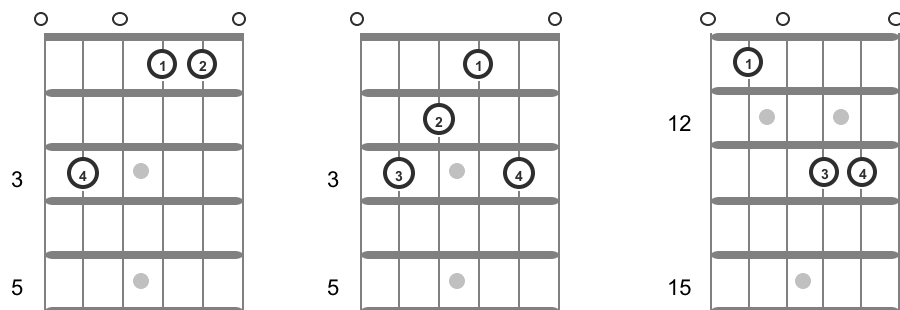
Edim



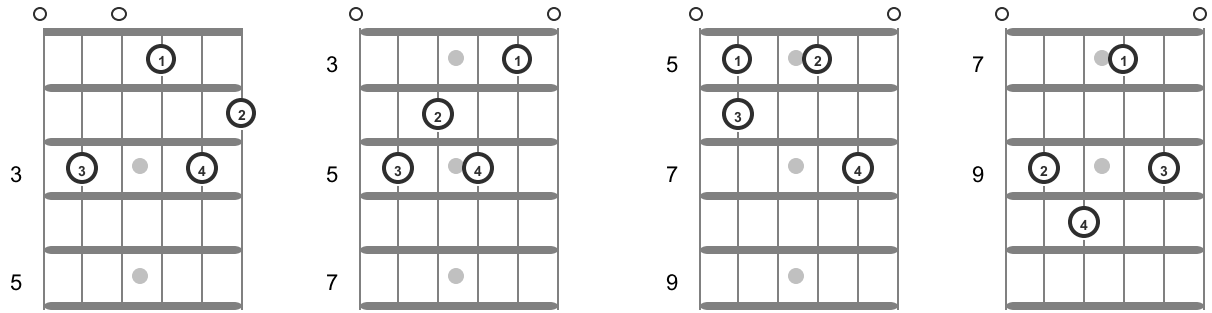
Eaug



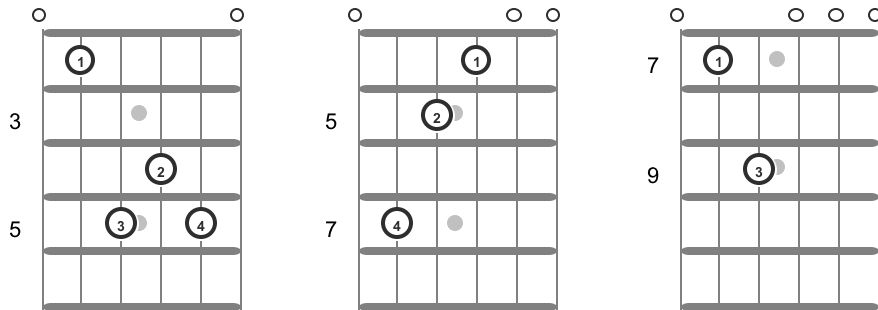
Eaug7



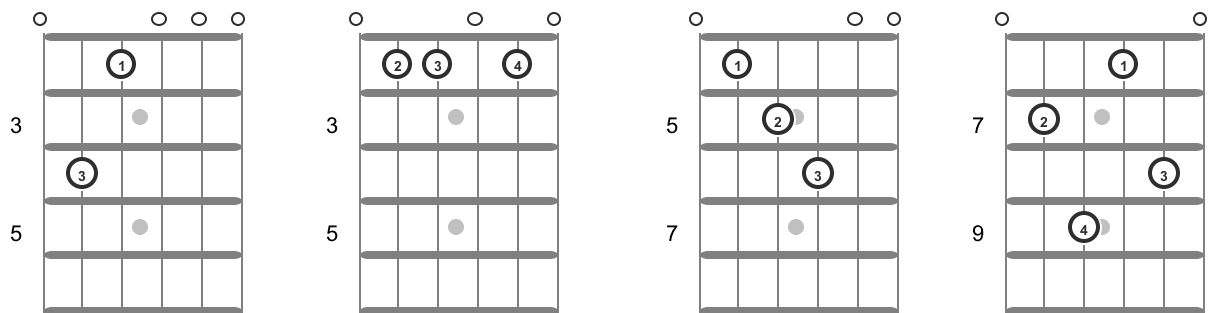
Eaug9



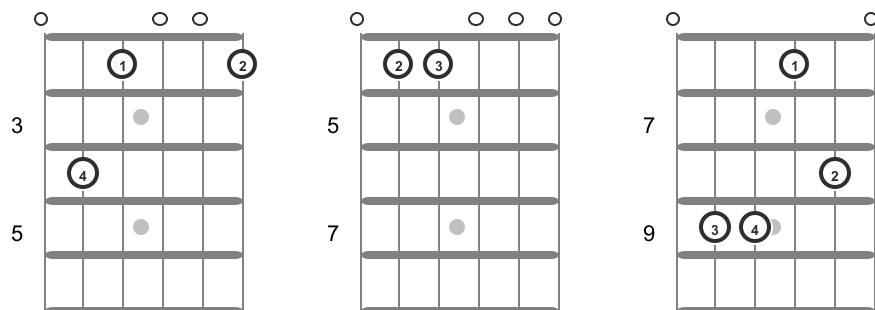
Em



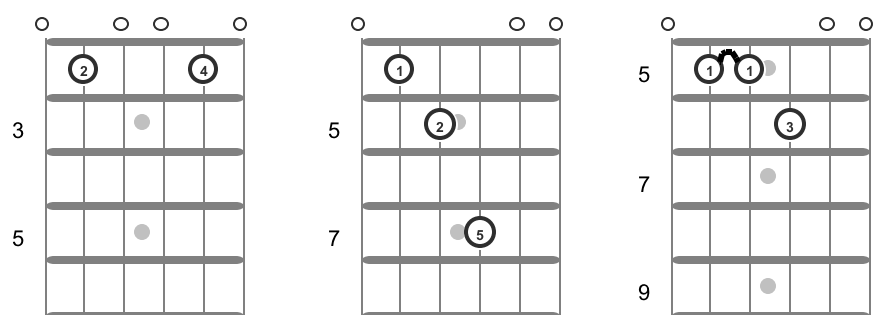
Em6



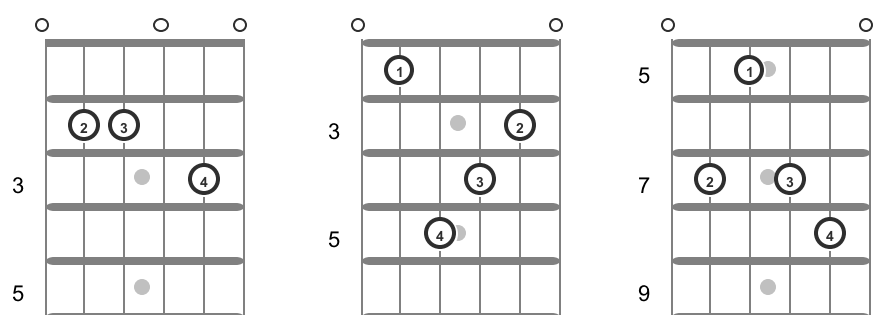
Em9 add6



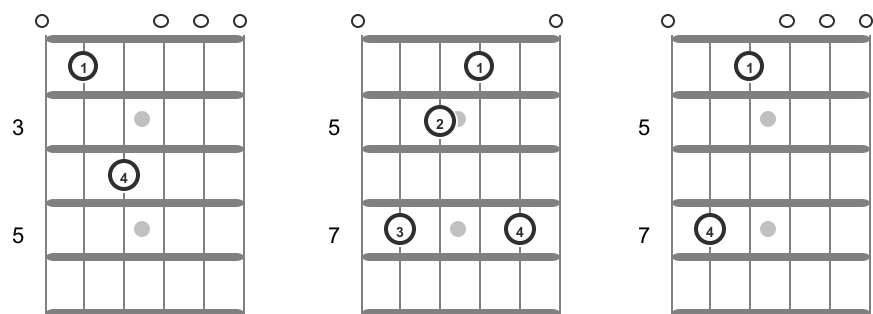
Em13



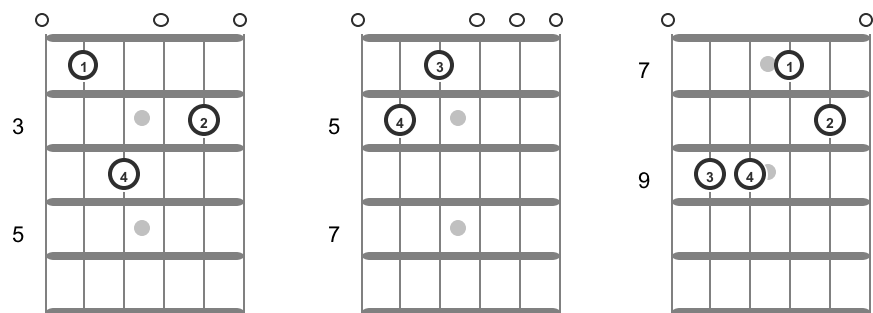
Em7



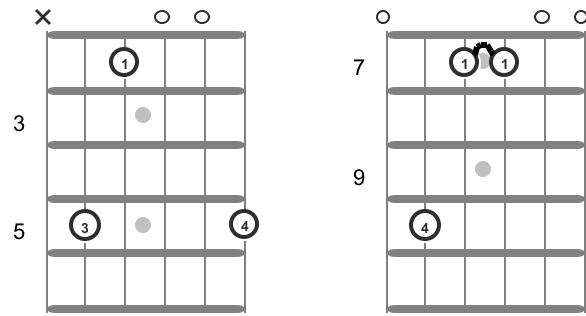
Em add9



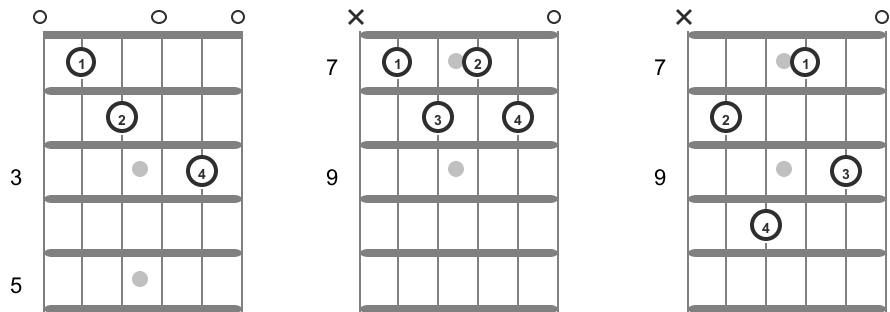
Em sus9



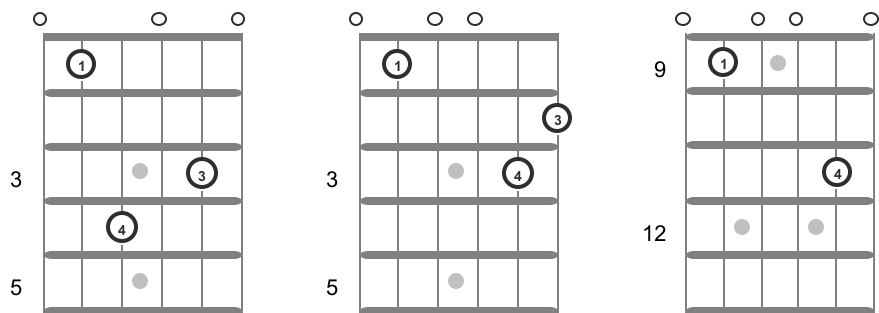
Em11



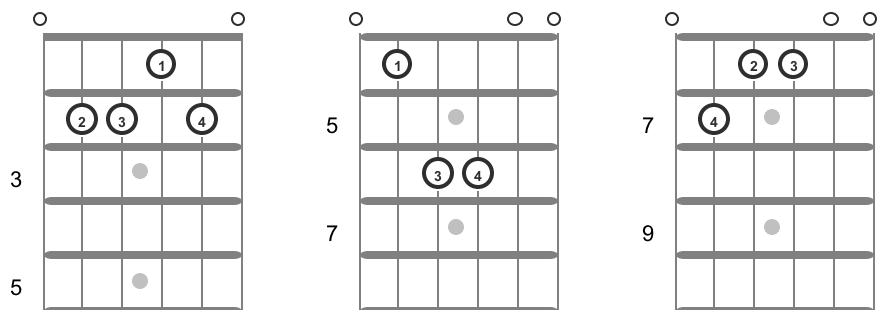
Em7b5



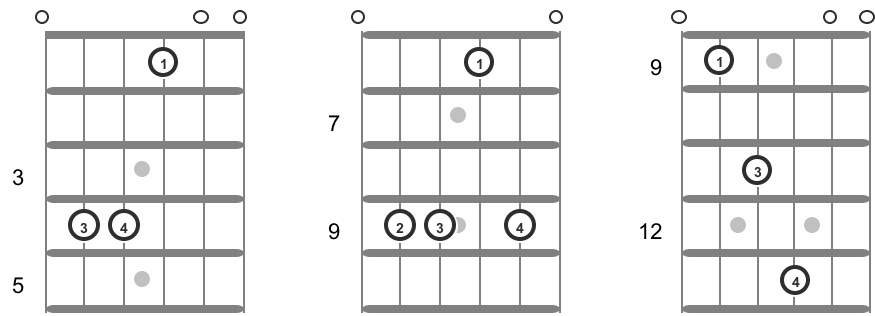
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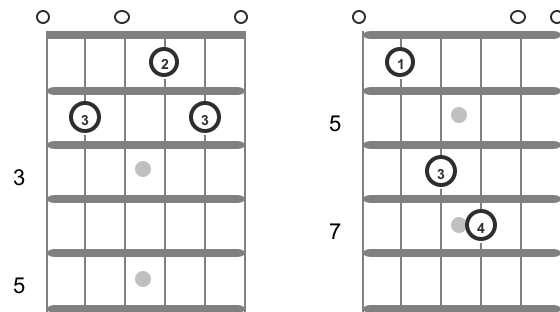
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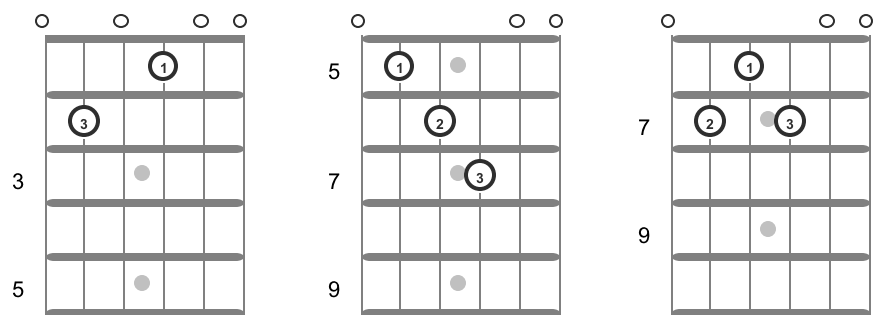
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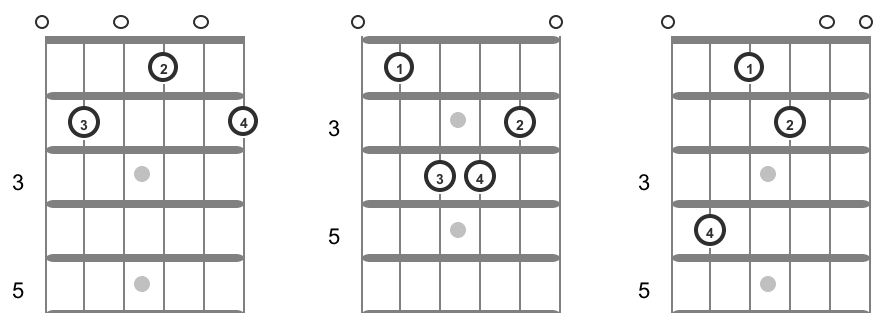
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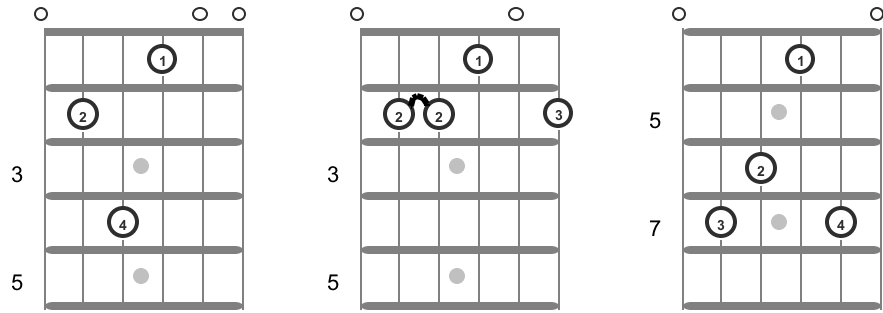
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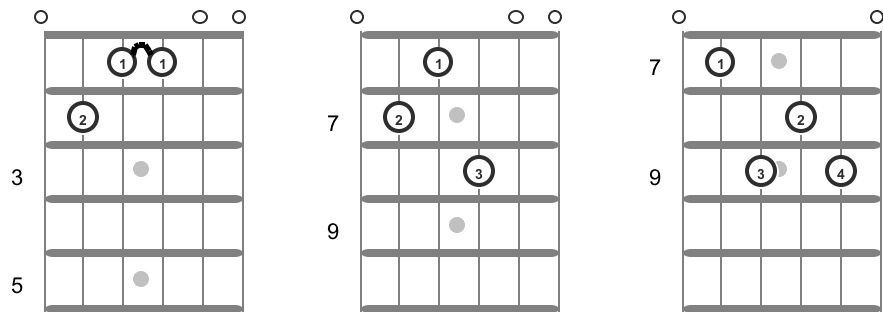
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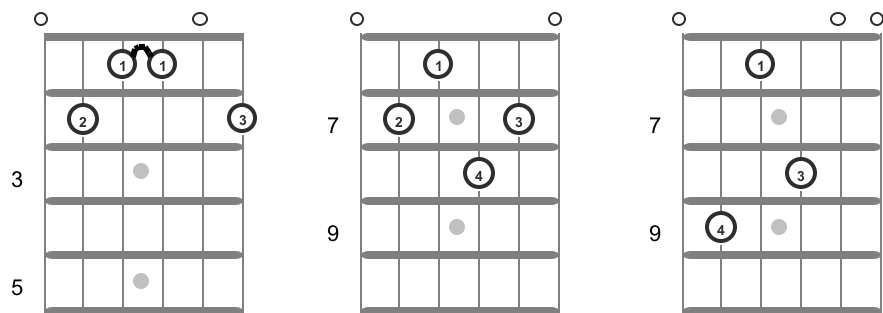
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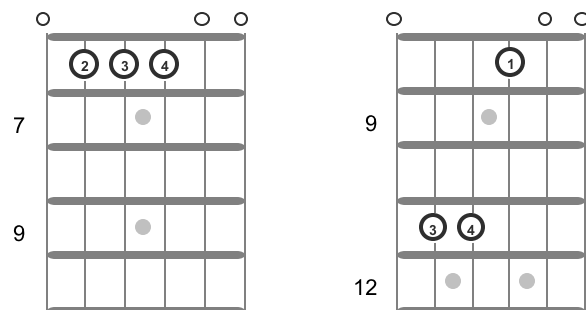
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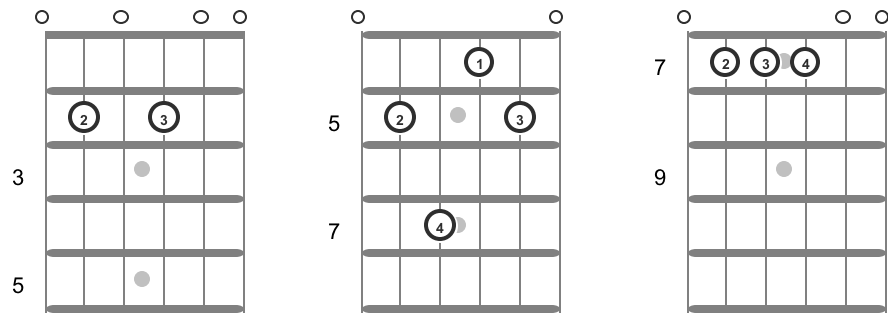
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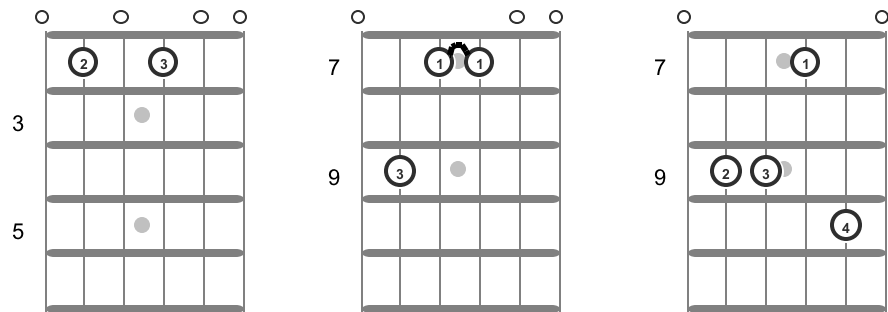
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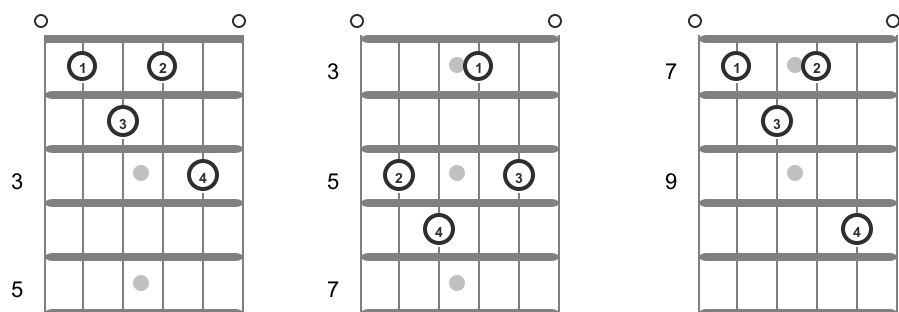
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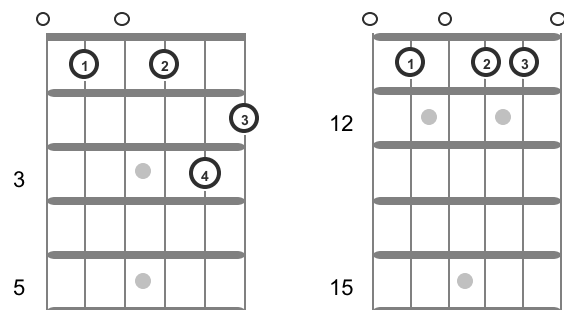
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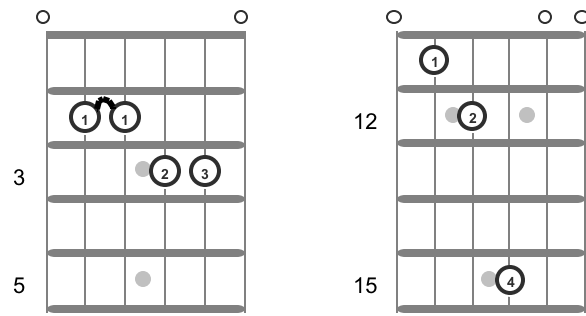
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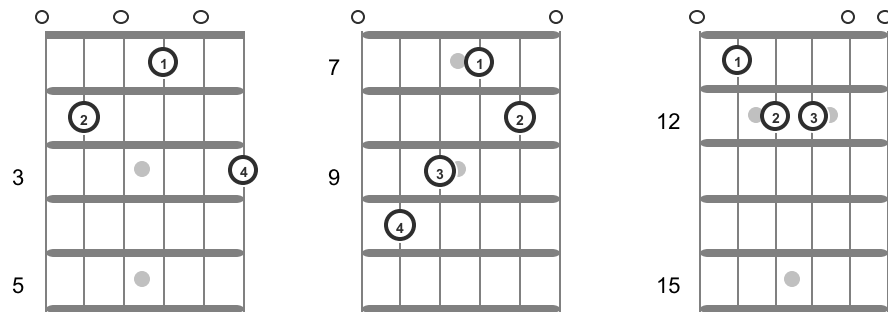
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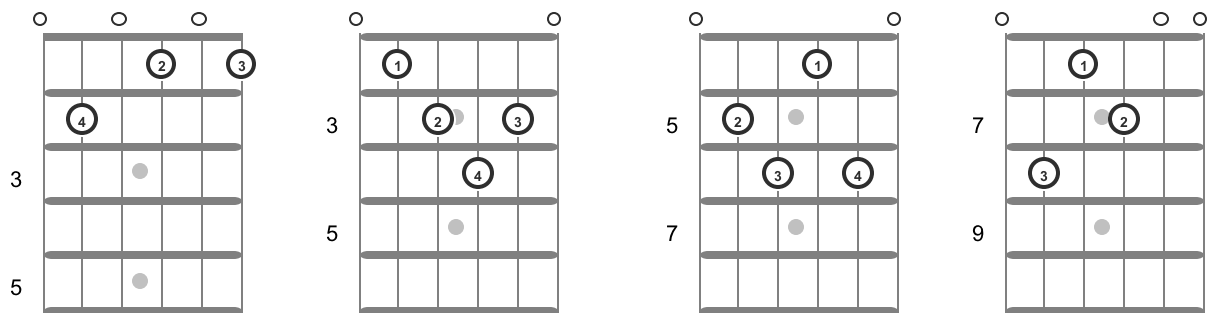
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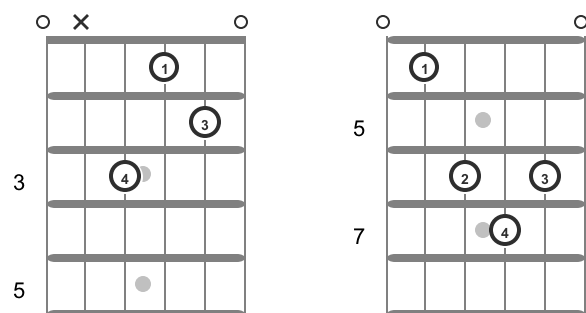
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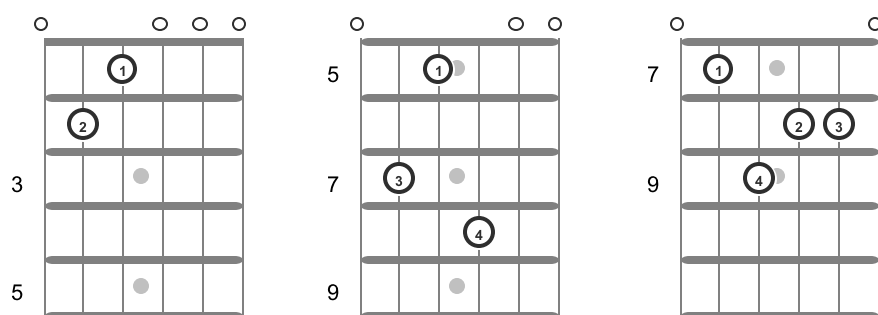
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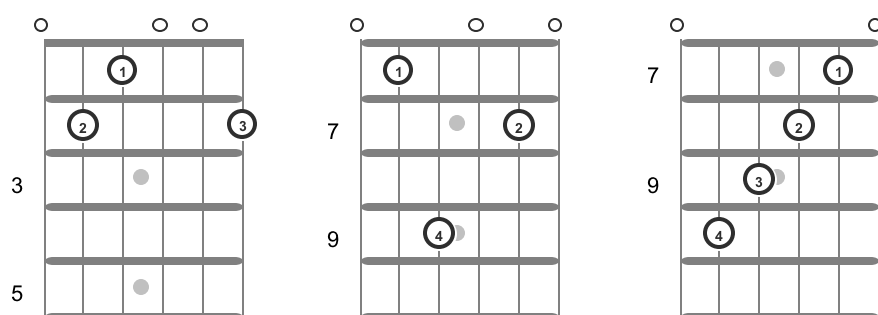
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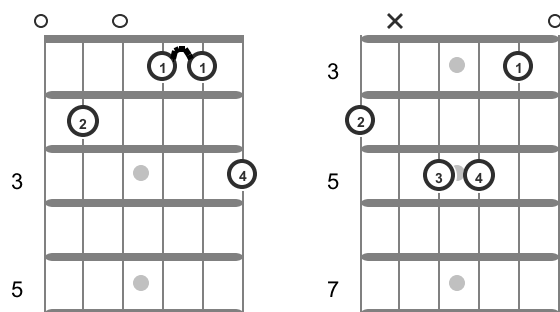
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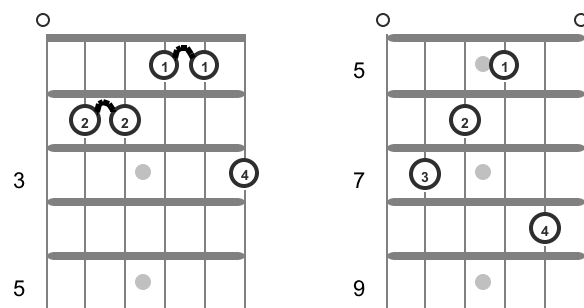
Em#7/9



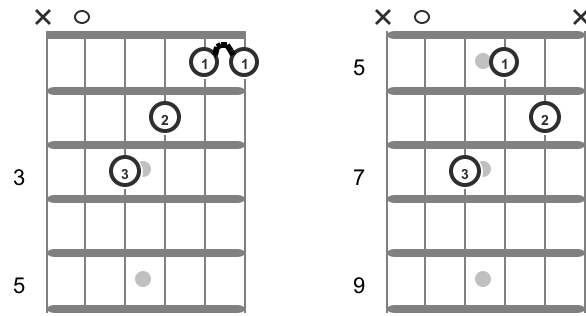
Eaug7 #9



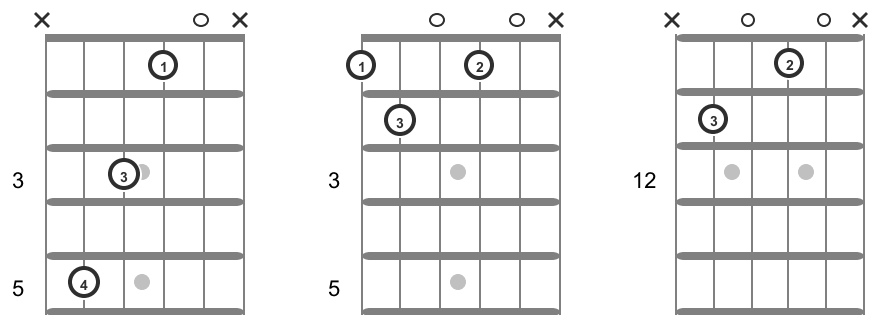
Eaug add#9



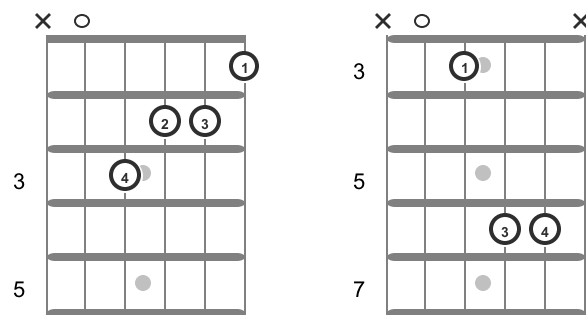
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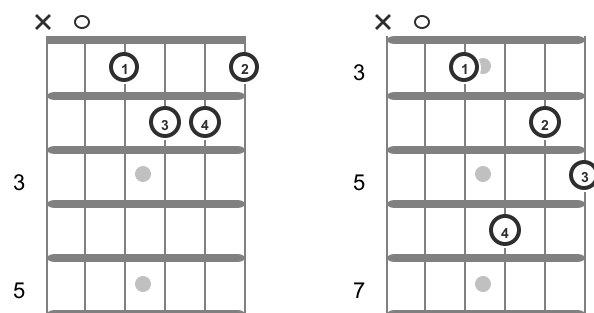
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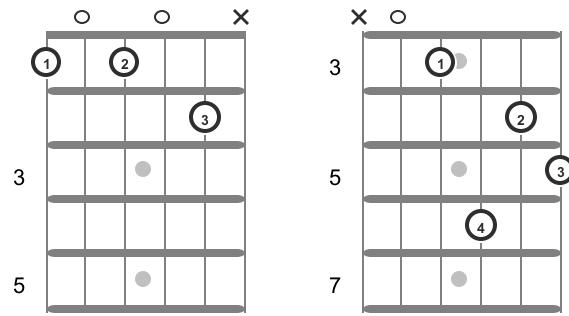
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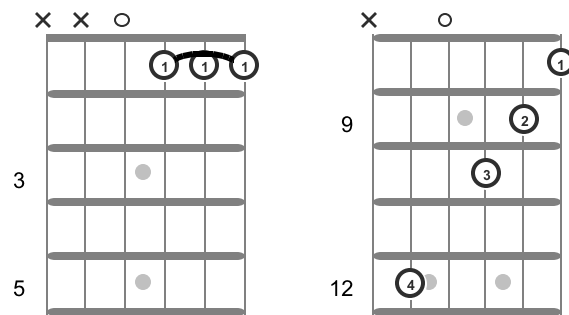
Faug7



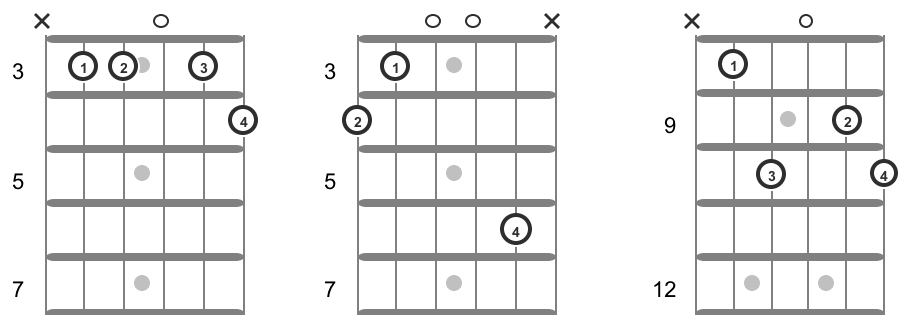
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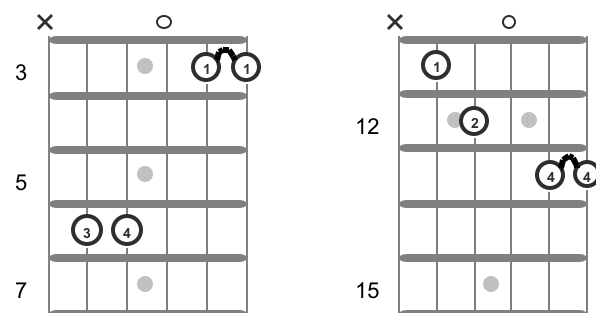
Fm6



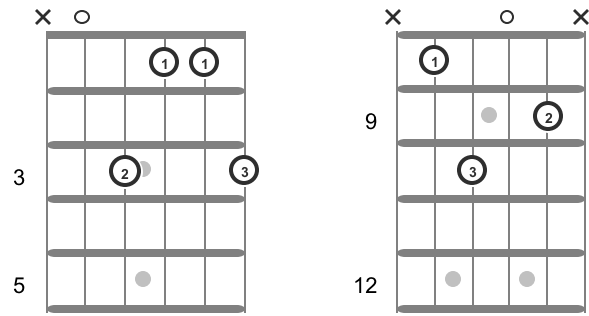
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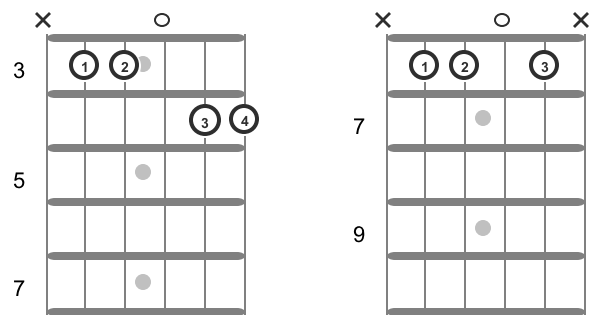
Fm13



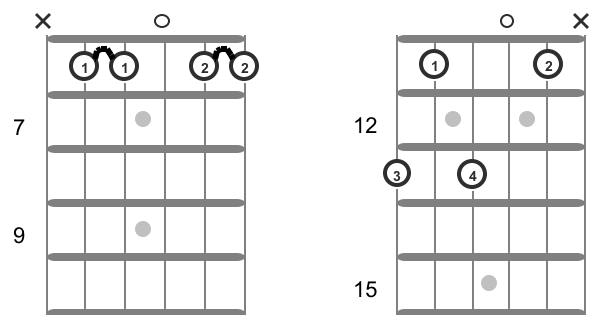
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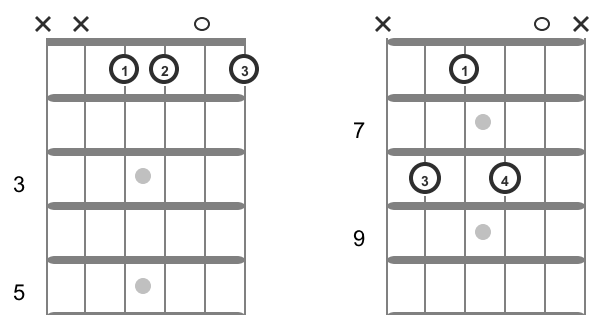
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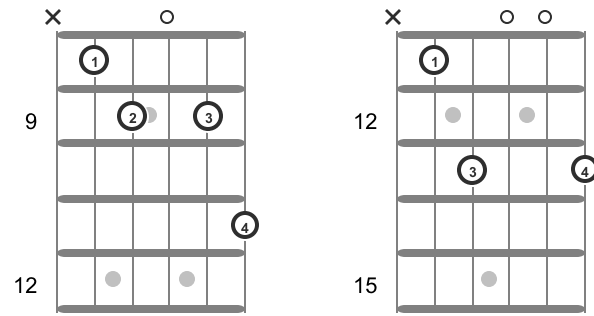
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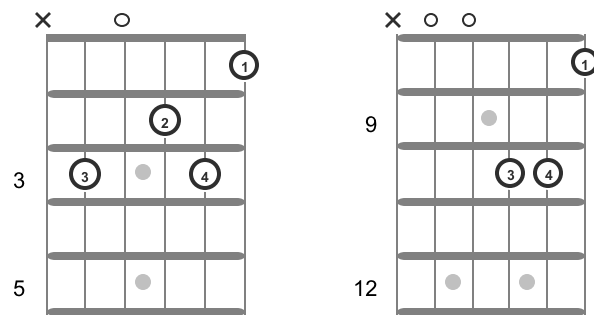
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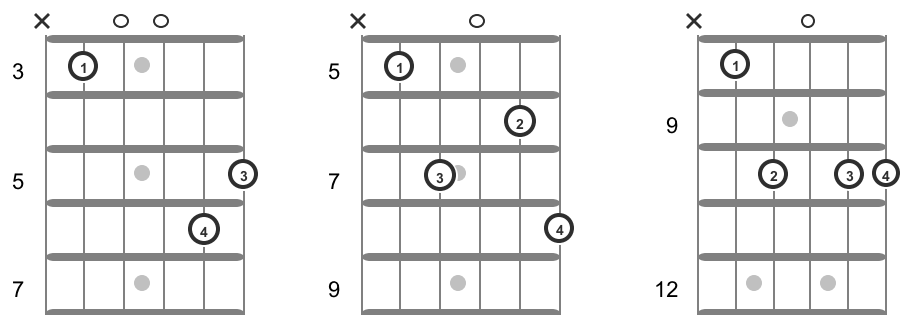
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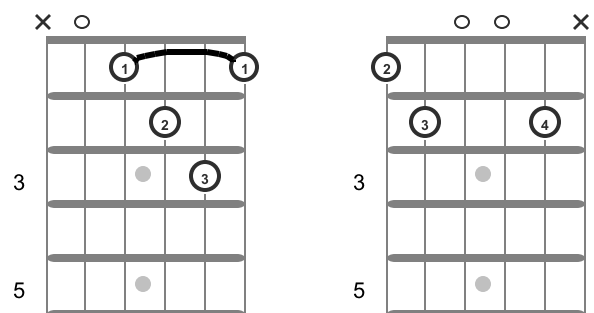
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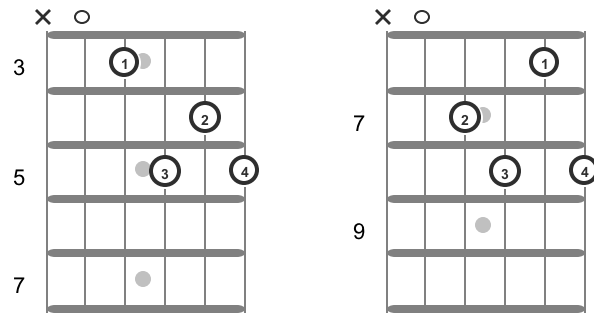
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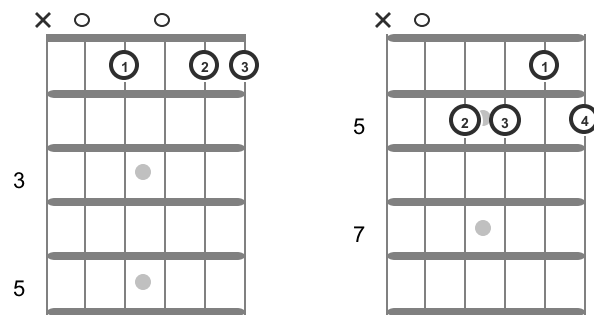
F13



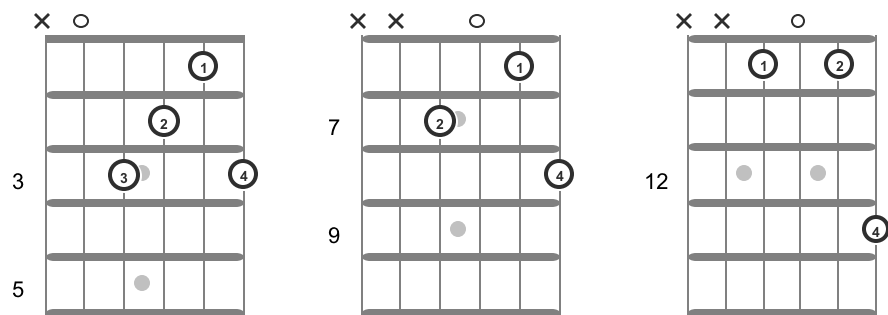
F7



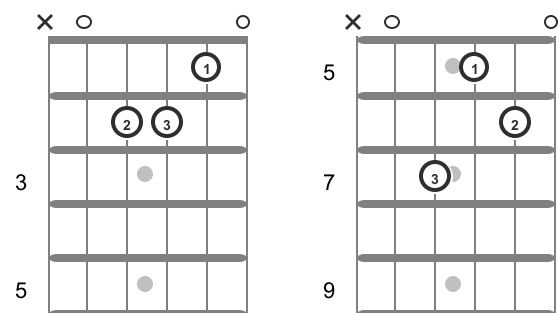
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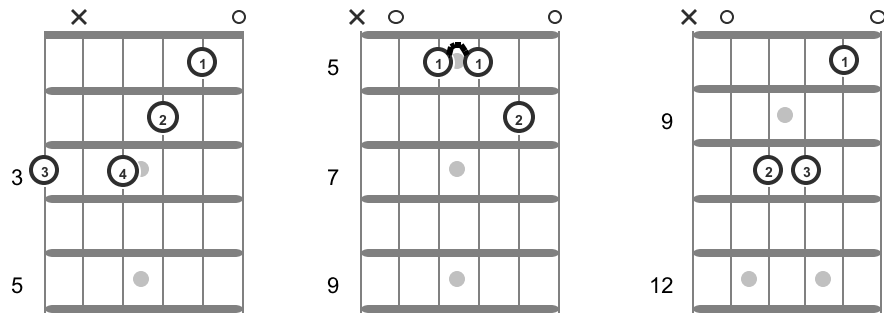
Fadd9



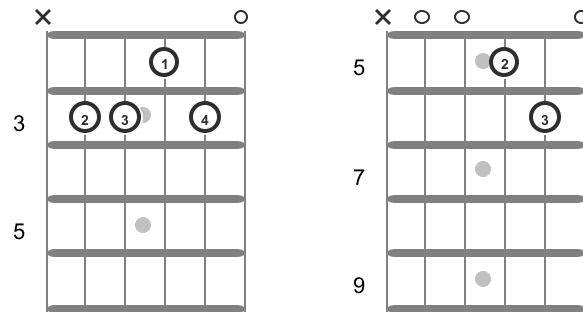
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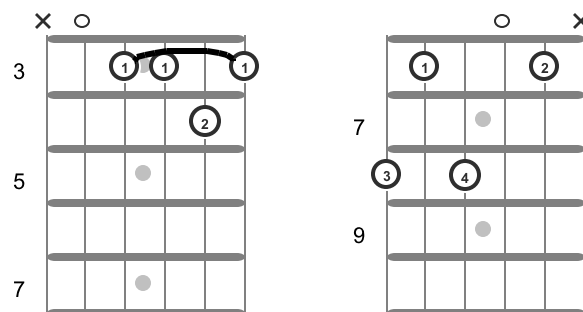
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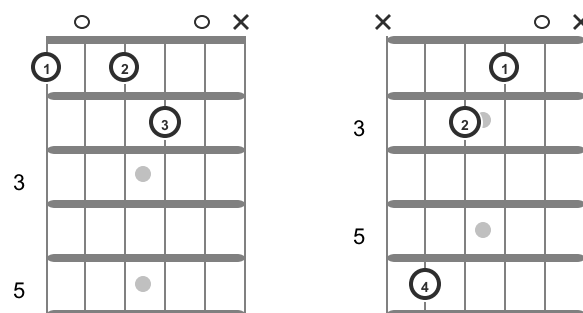
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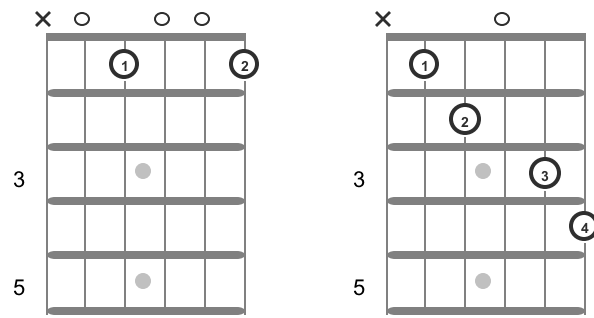
F11



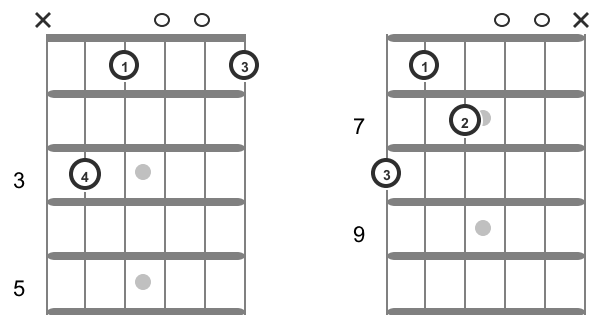
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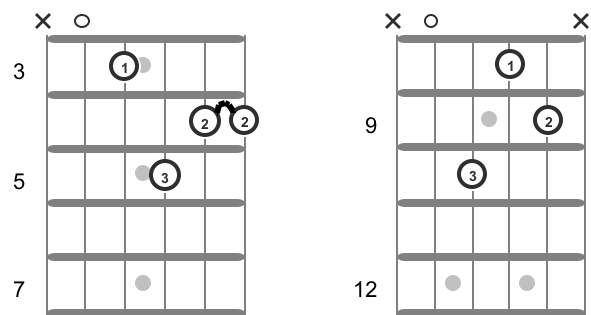
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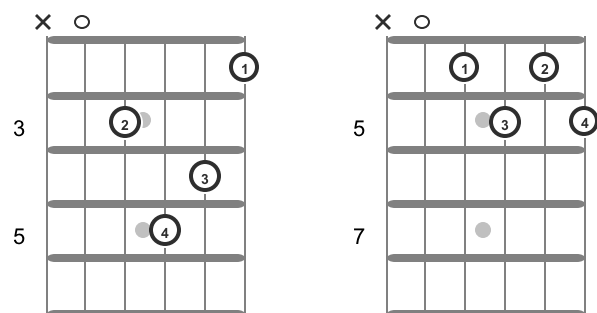
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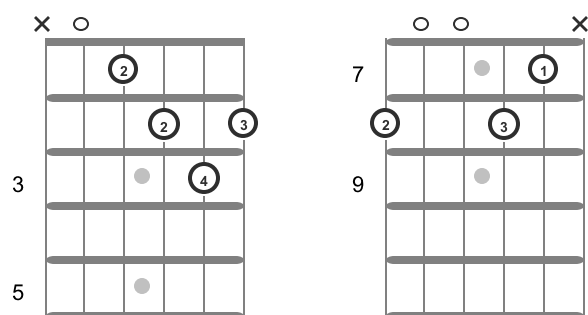
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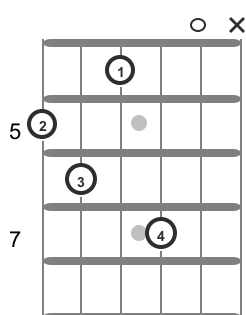
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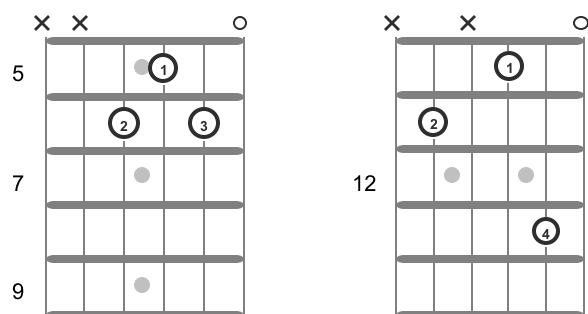
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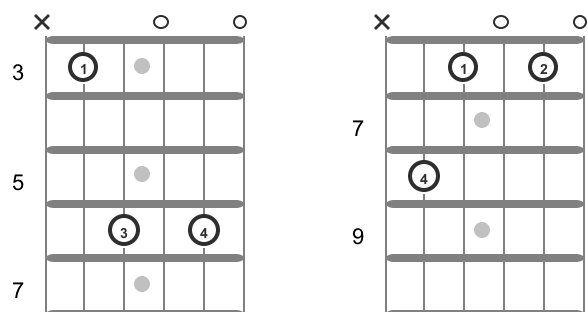
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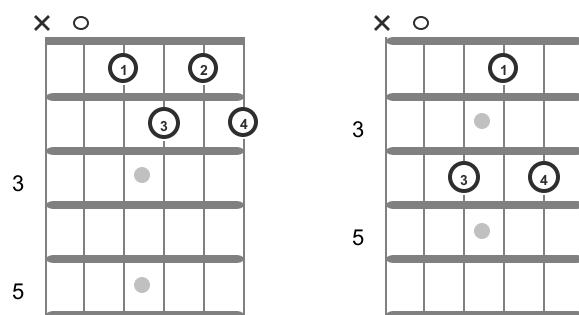
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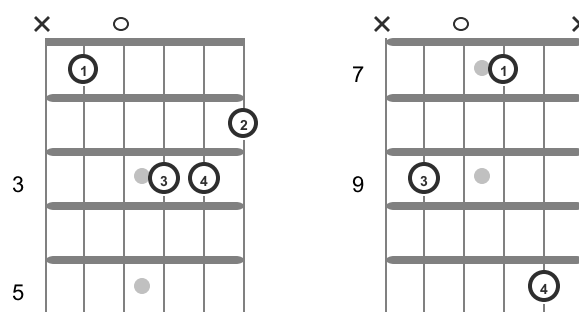
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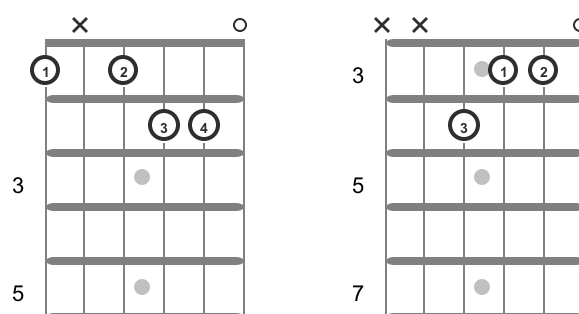
Gbdim



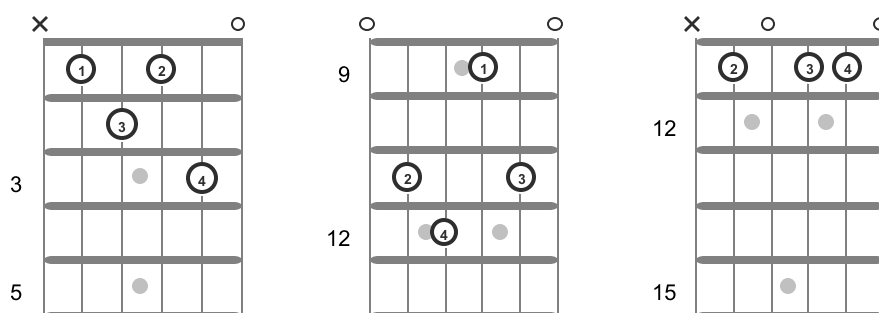
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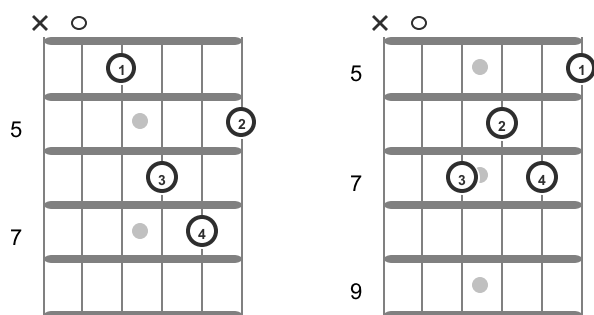
Gbaug7



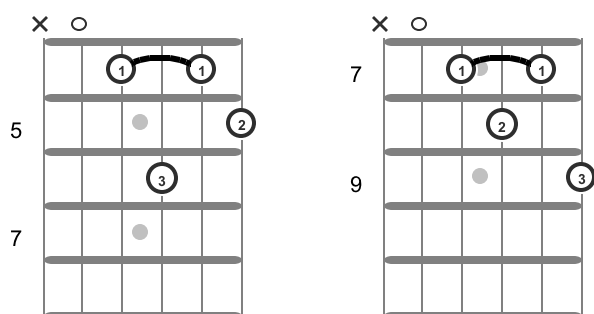
Gbaug9



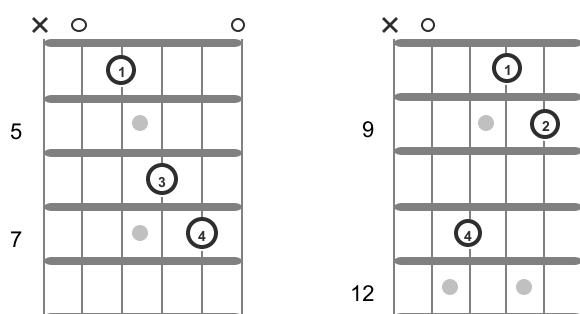
Gbm



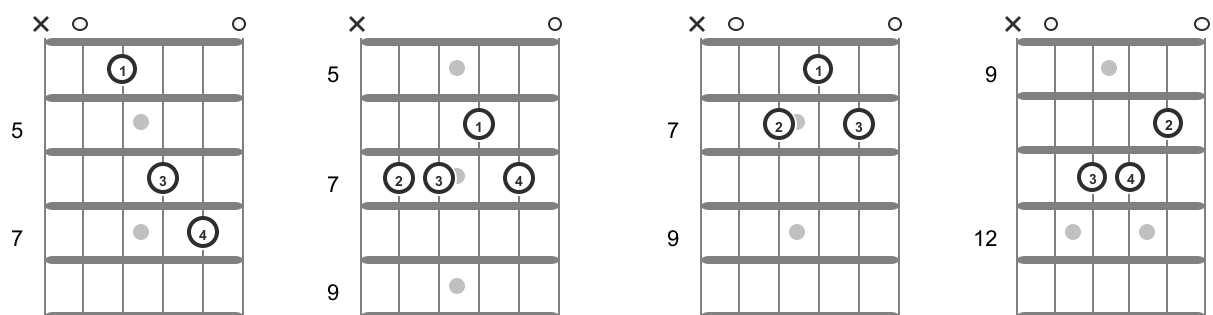
Gbm6



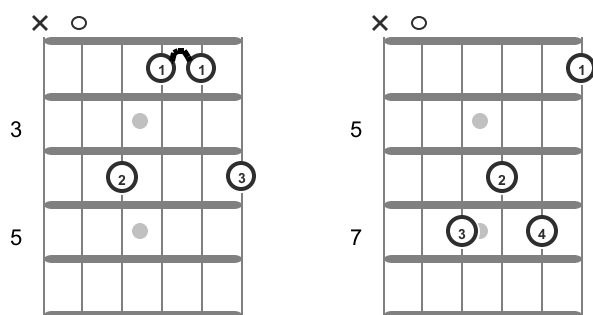
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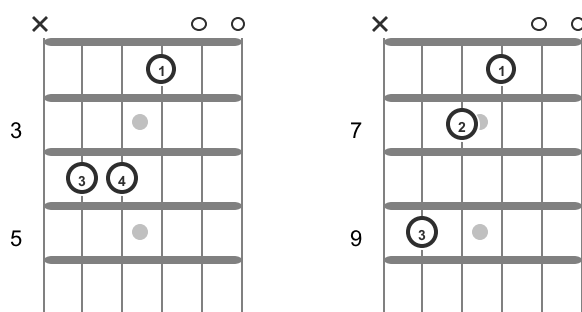
Gbm7



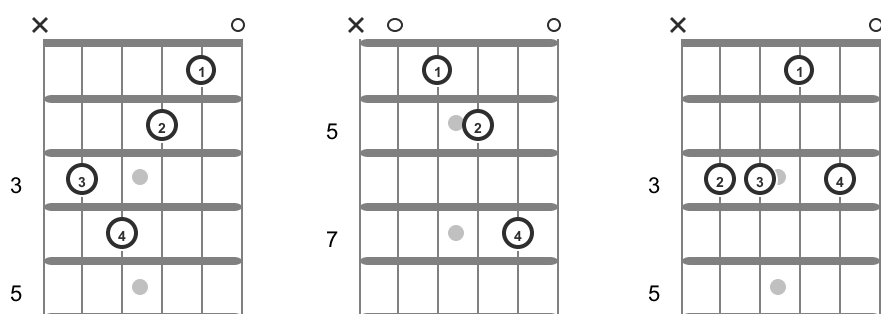
Gbmadd9



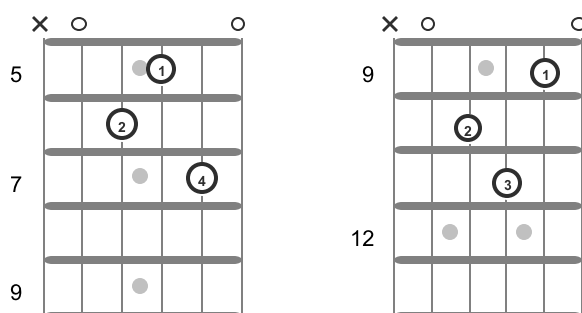
Gbm11



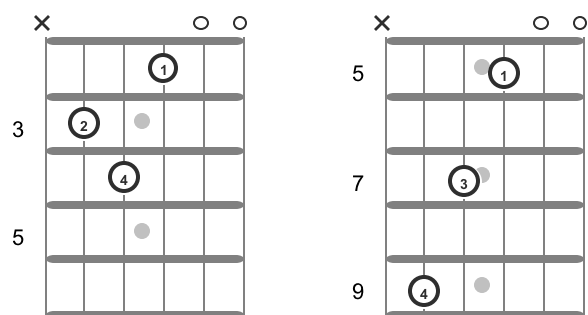
Gbm7b5



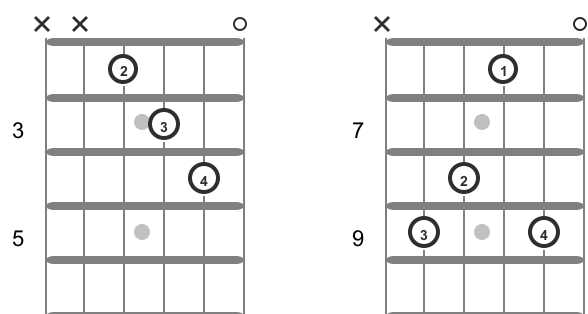
Gbm9b5



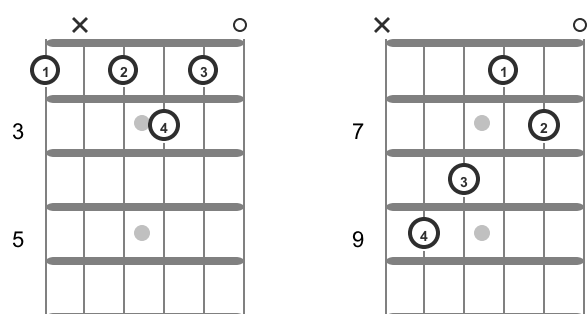
Gbm11b5



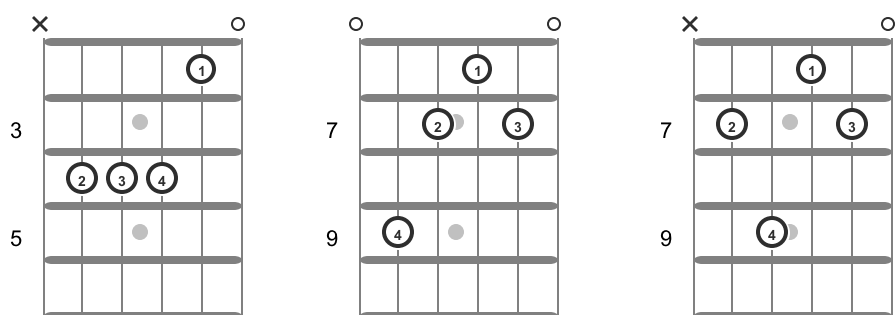
Gb13



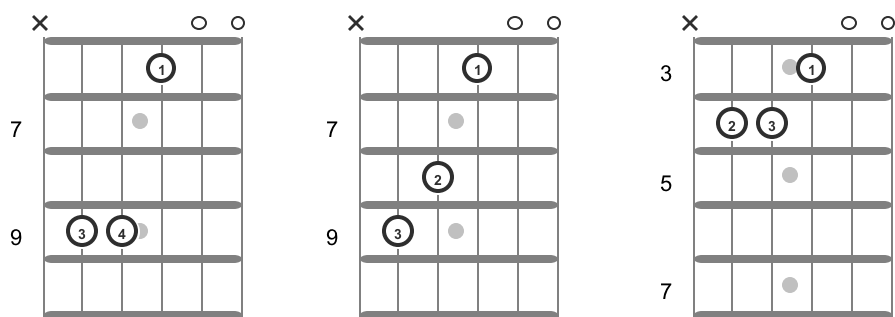
Gb7



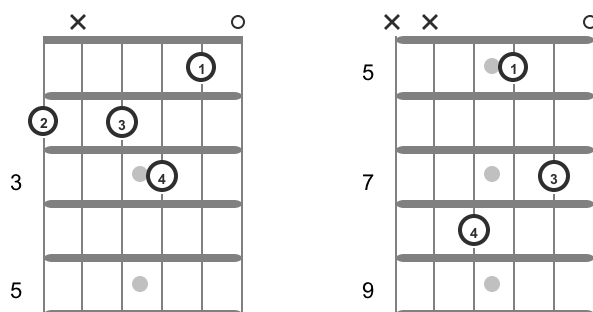
Gb7sus4



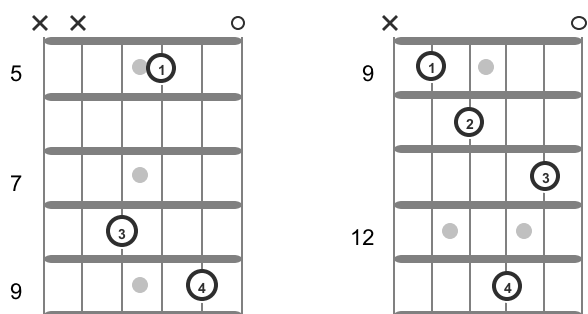
Gb11



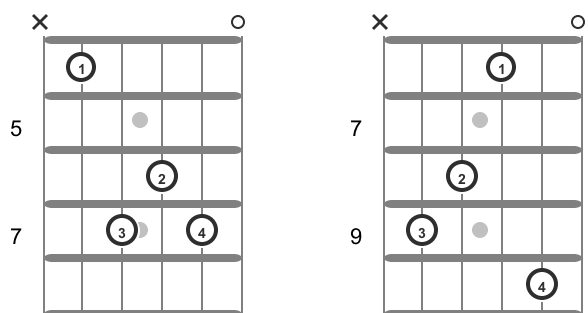
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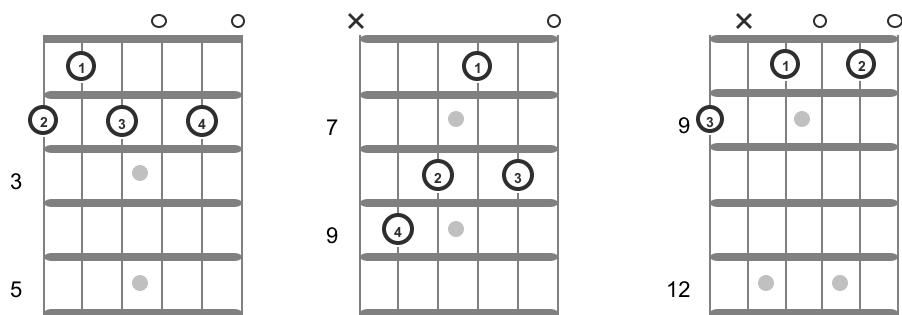
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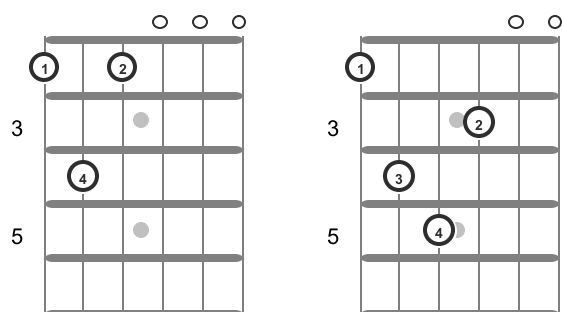
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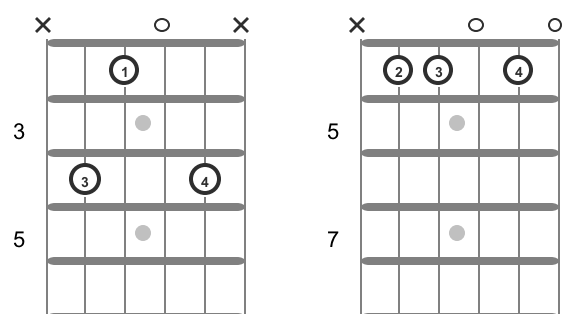
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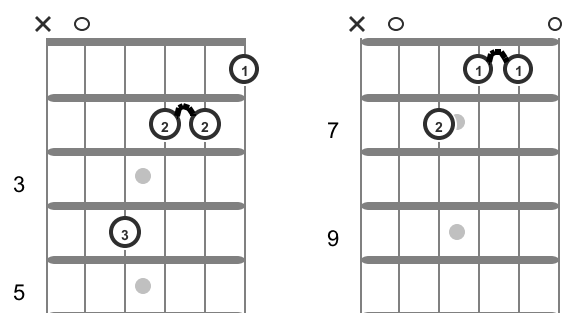
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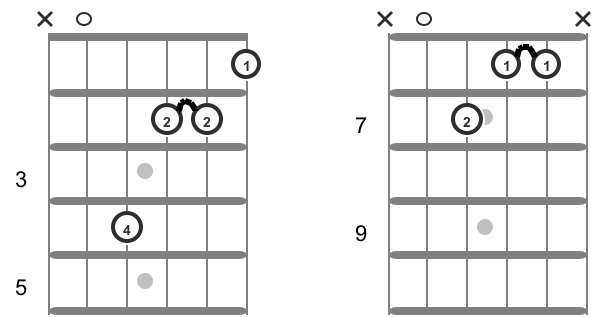
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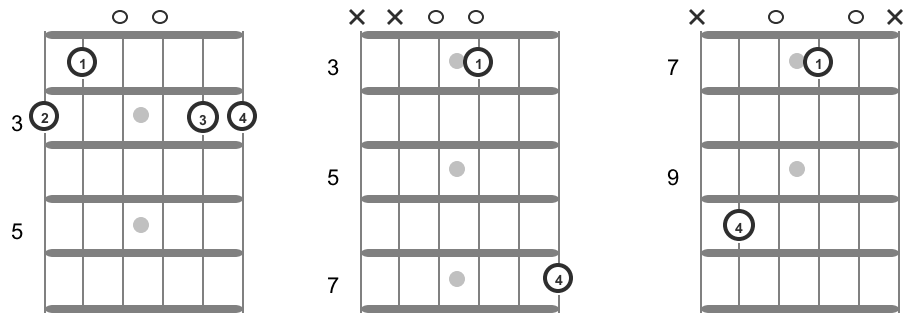
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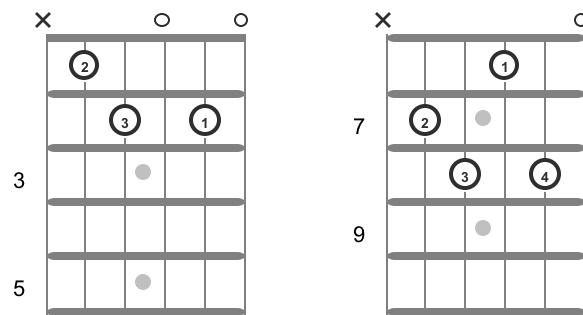
Gbm#7/9



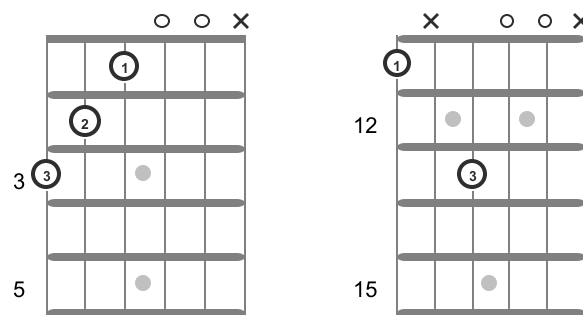
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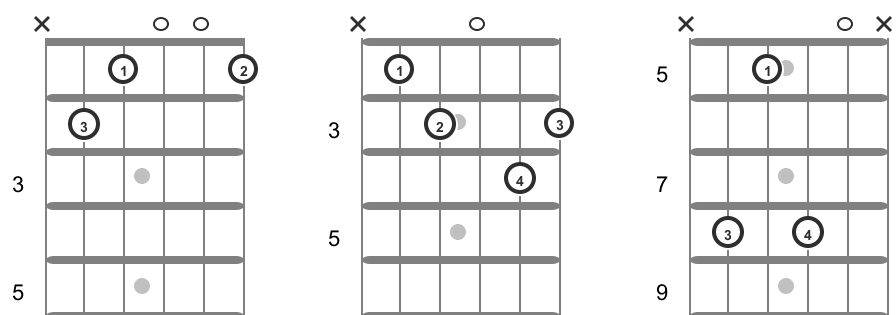
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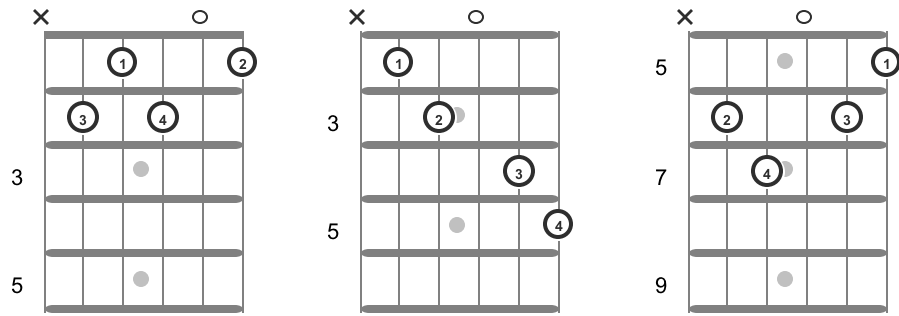
Daug



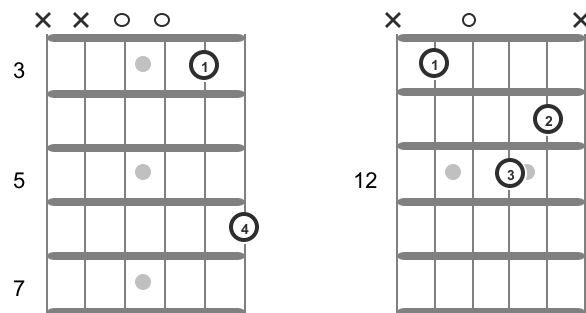
Gaug7



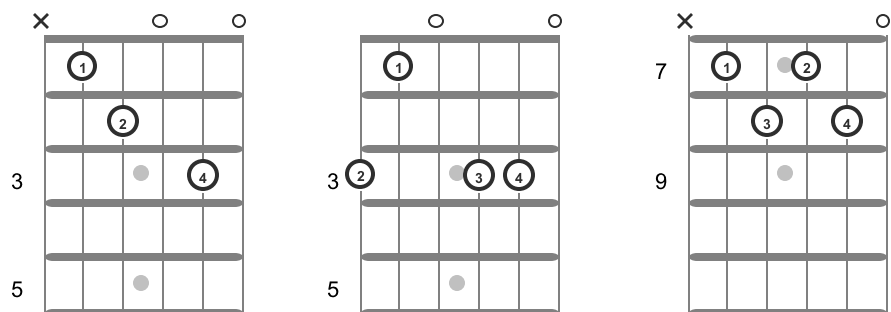
Gaug9



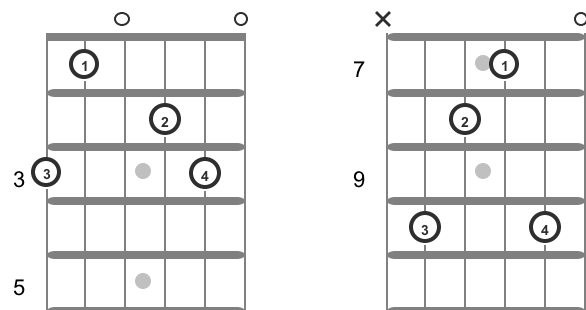
Gm



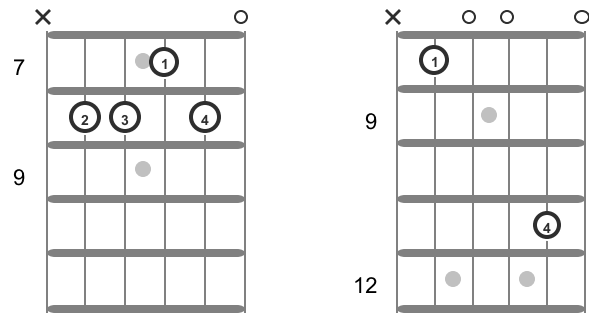
Gm6



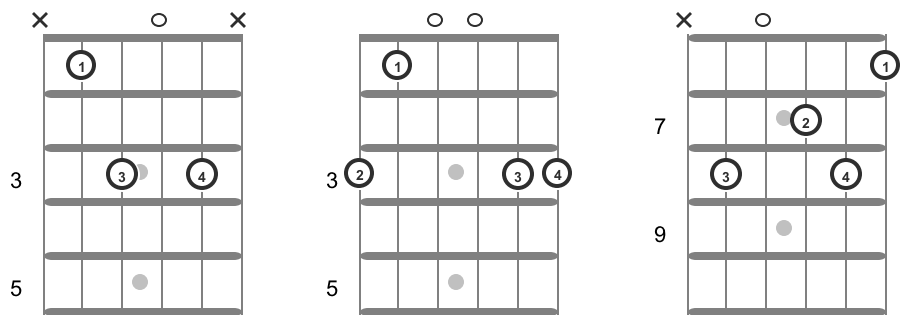
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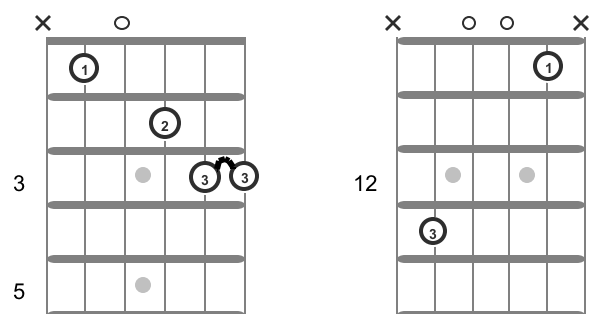
Gm13



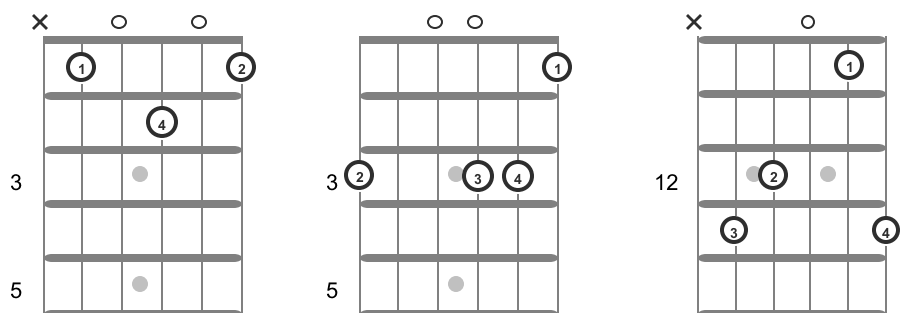
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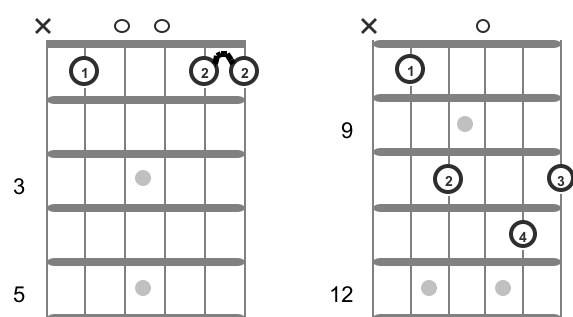
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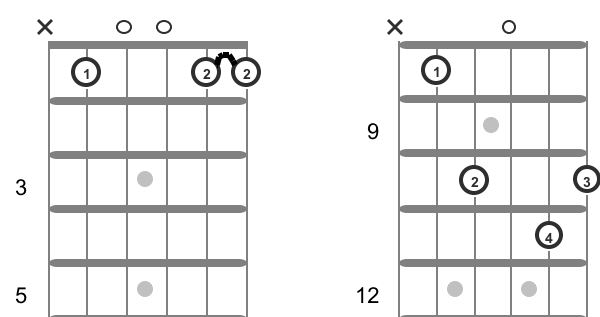
Gm9



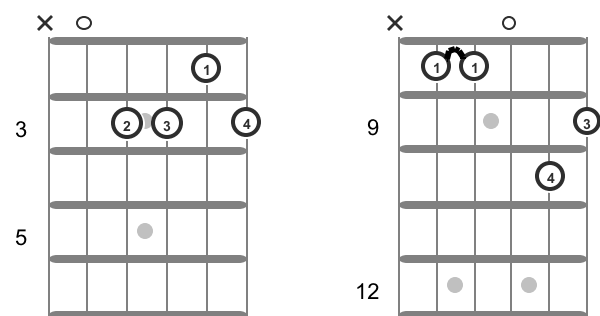
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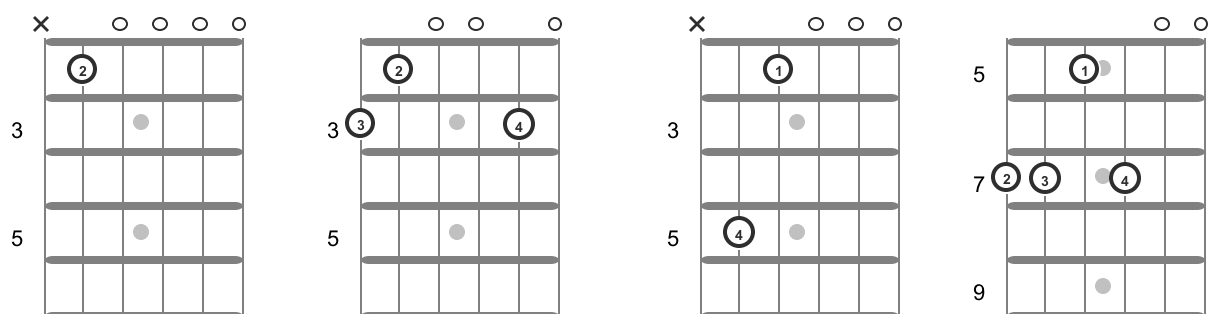
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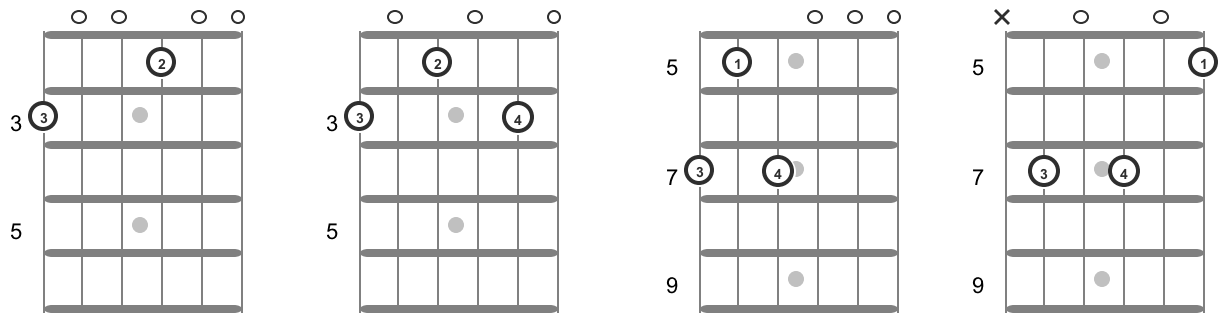
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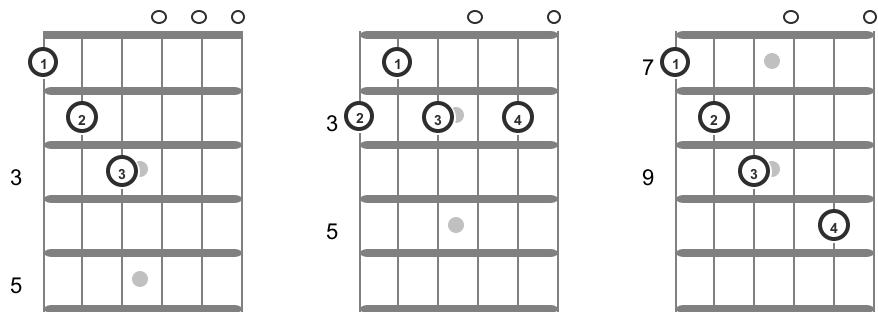
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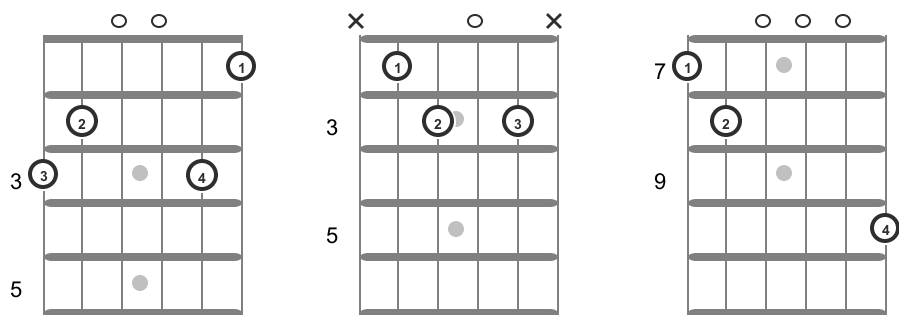
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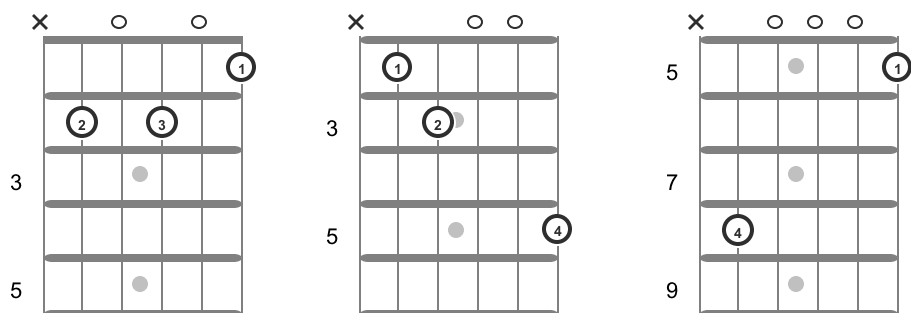
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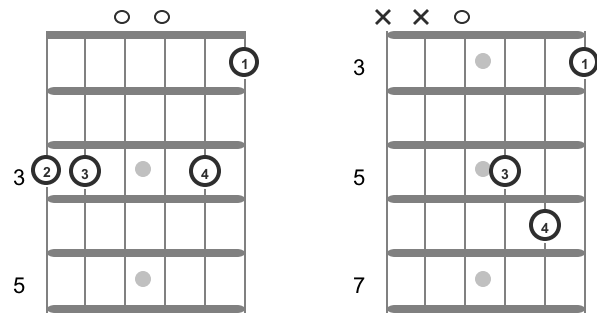
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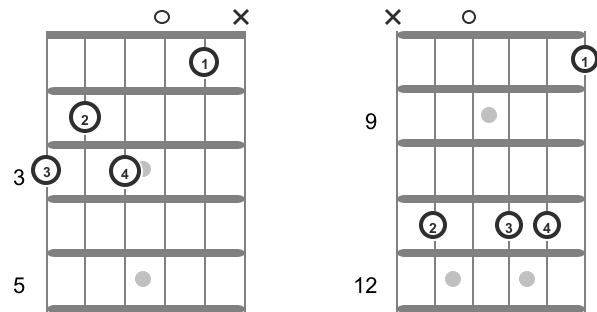
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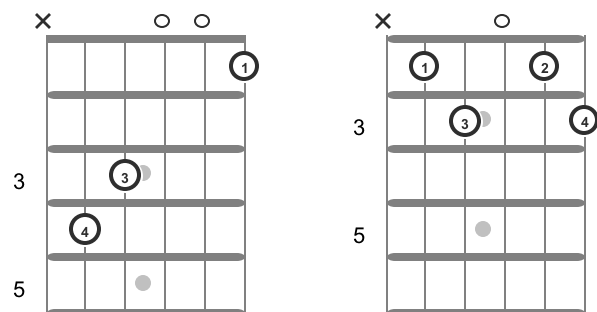
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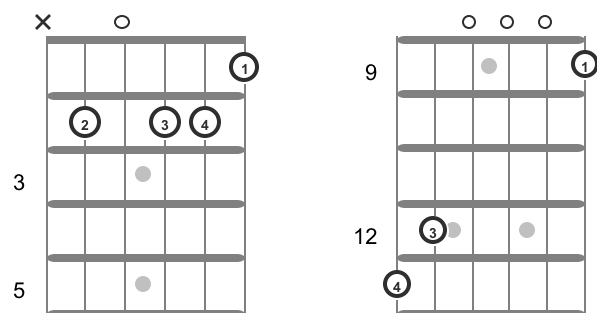
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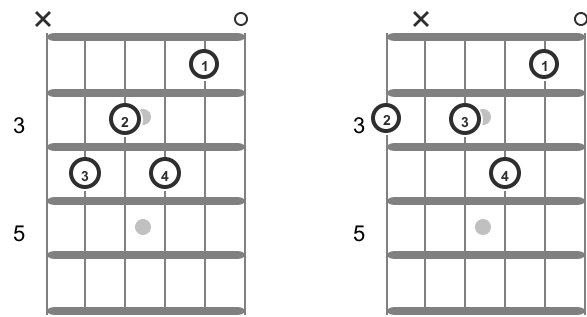
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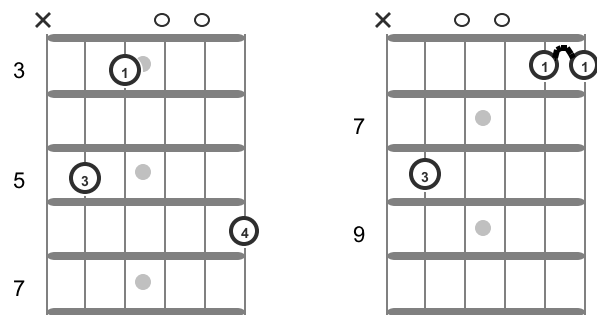
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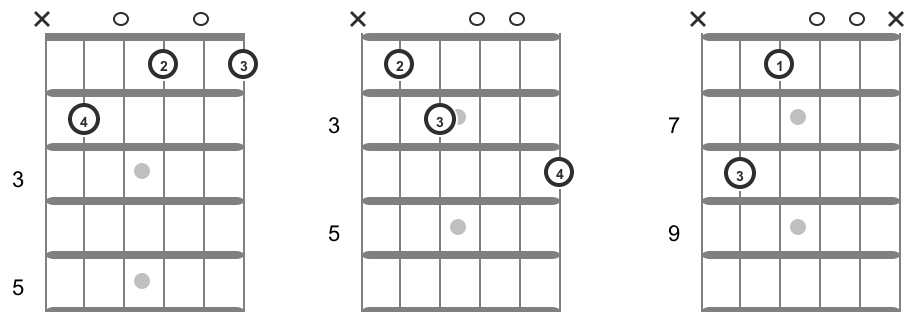
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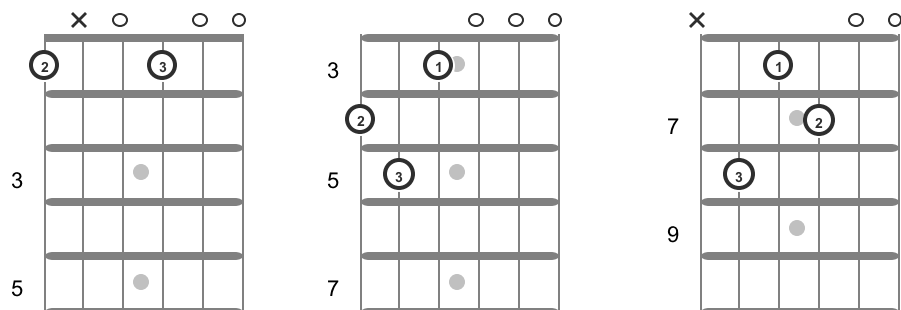
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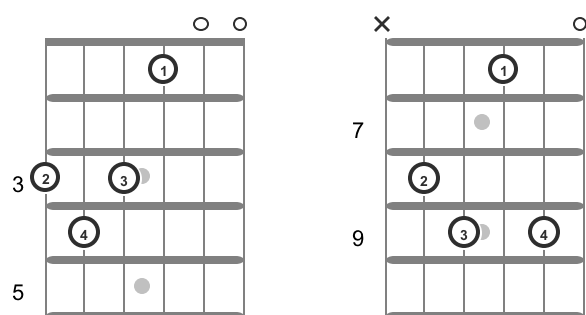
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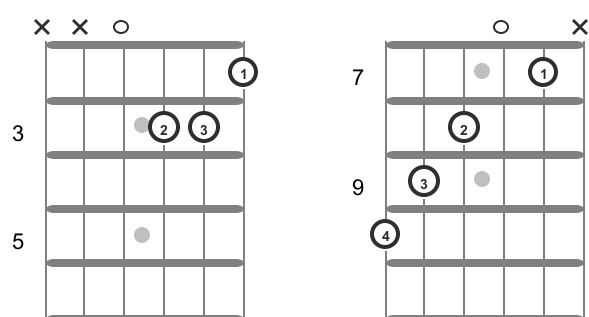
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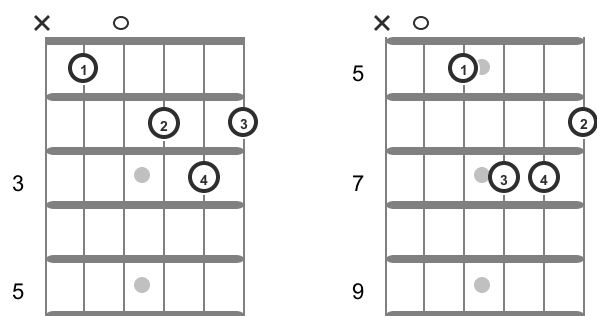
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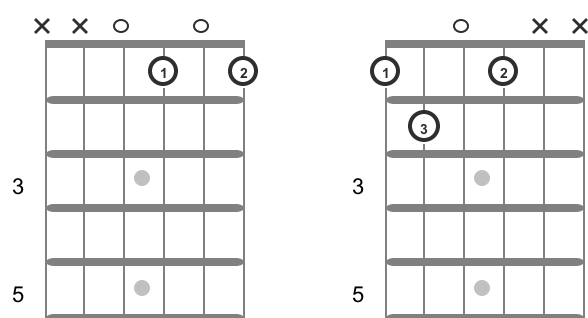
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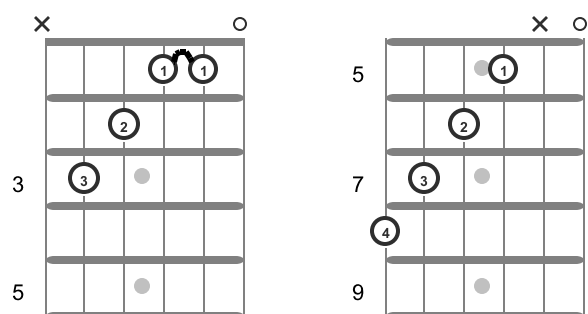
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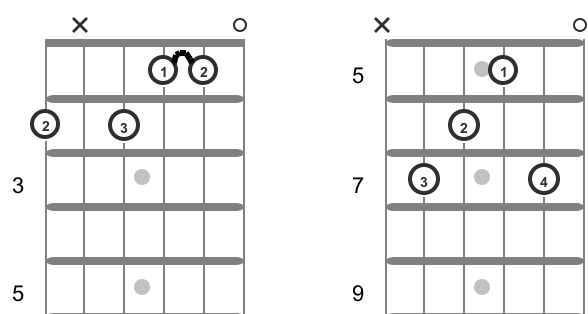
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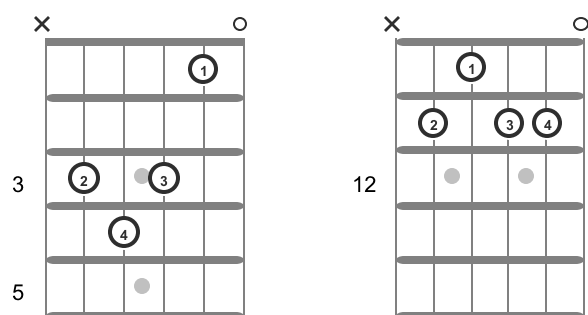
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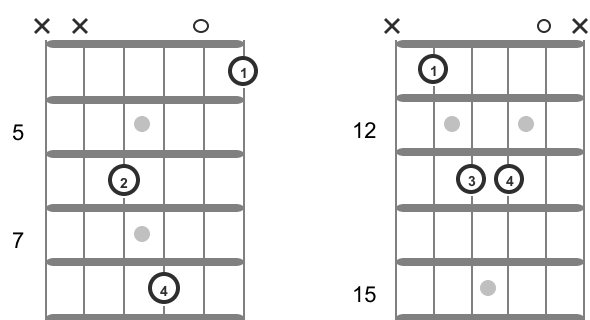
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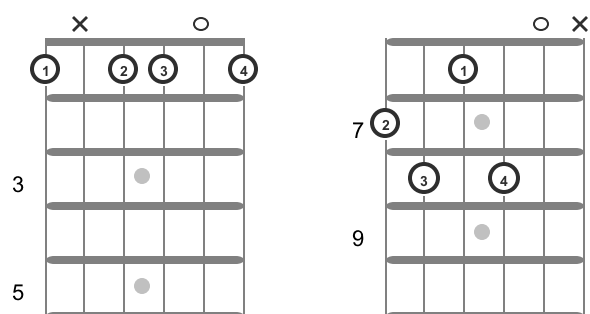
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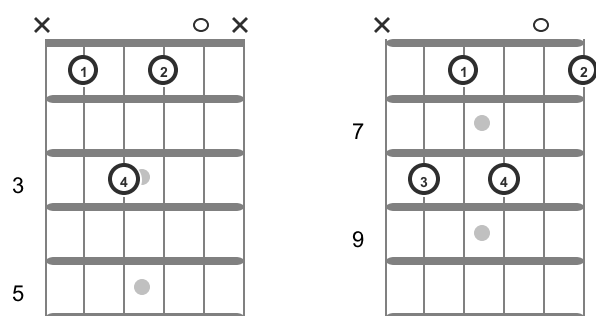
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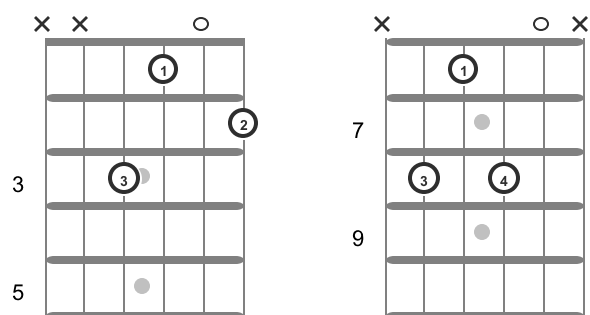
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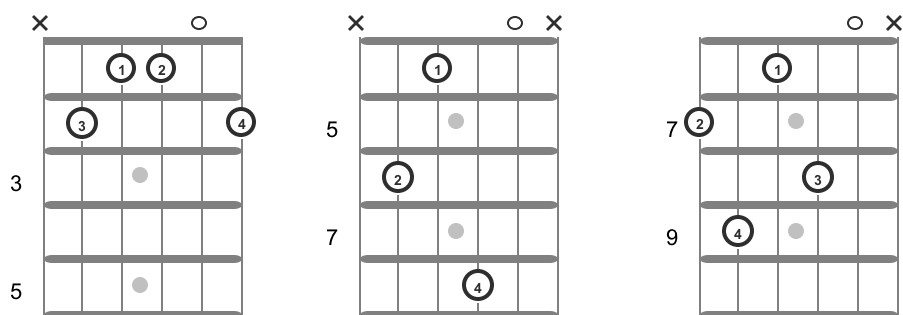
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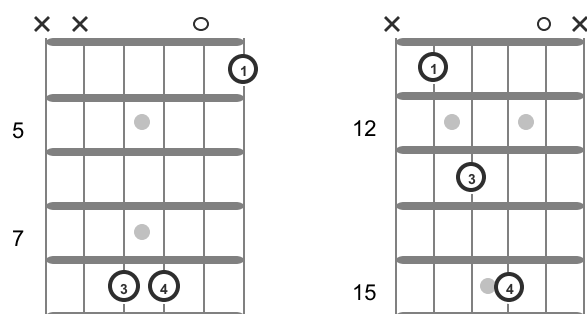
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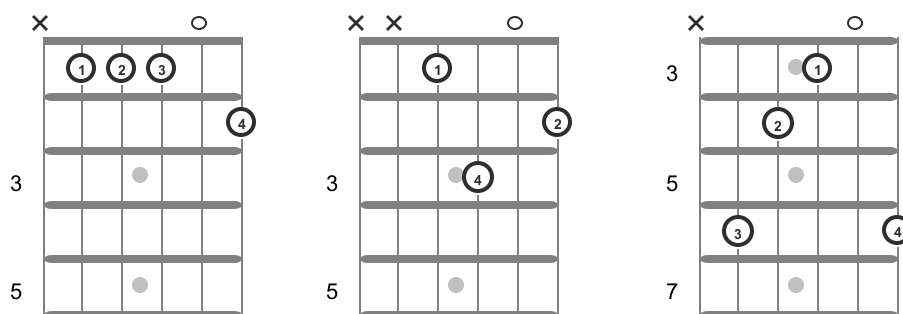
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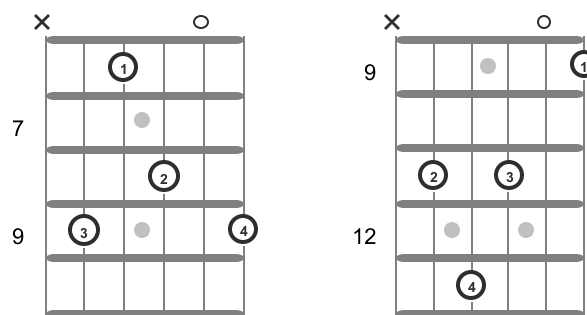
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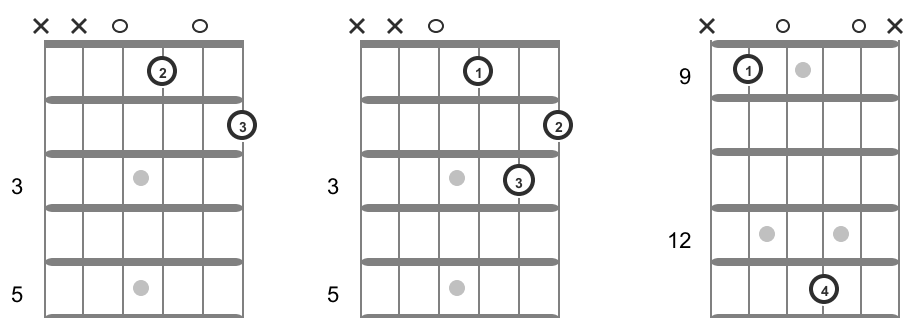
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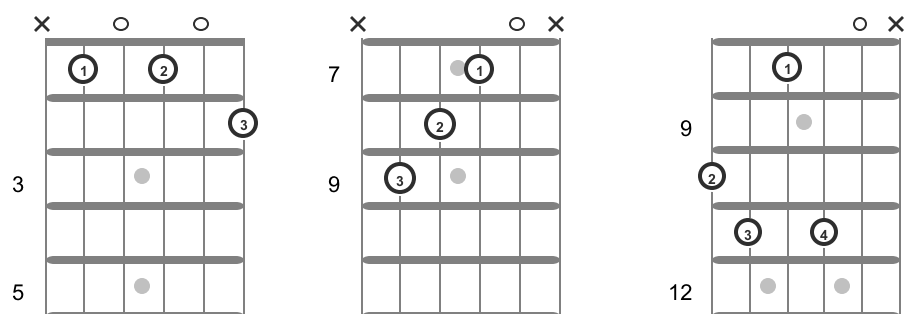
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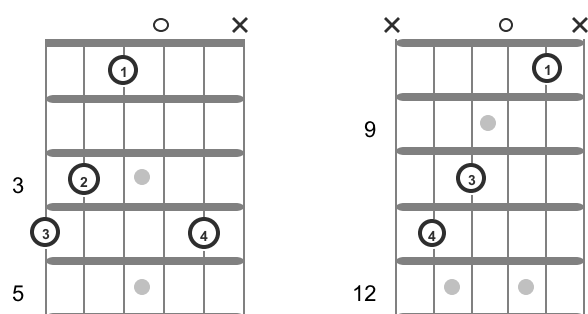
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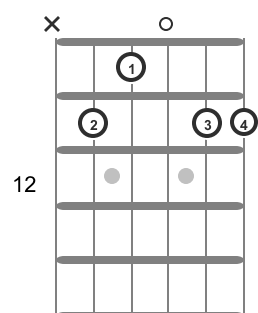
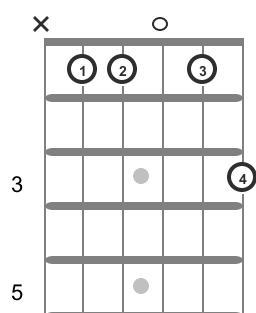
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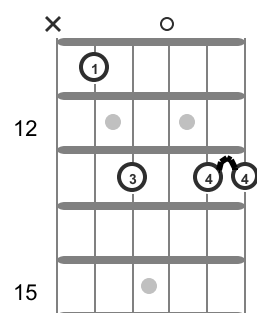
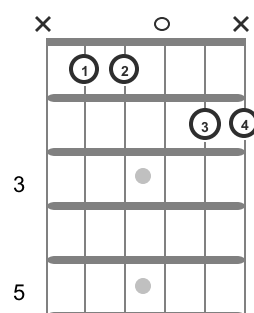
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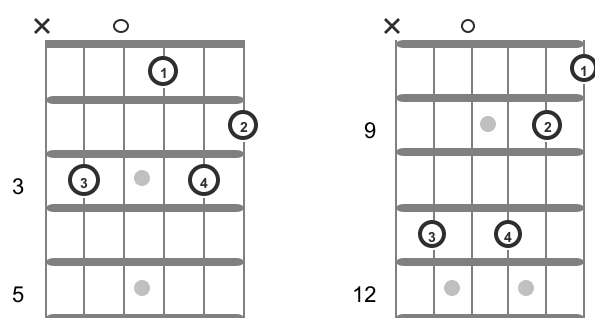
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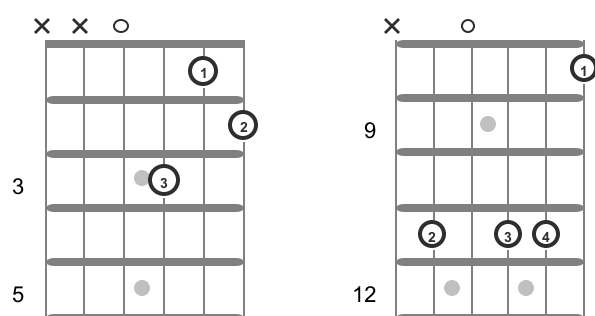
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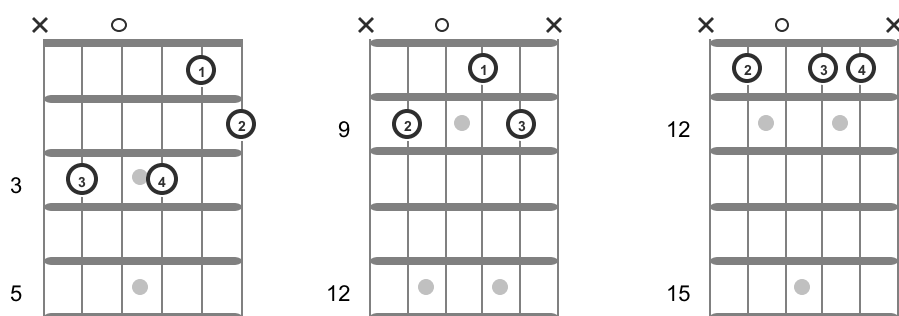
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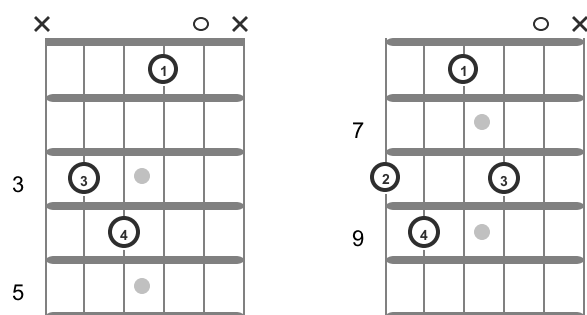
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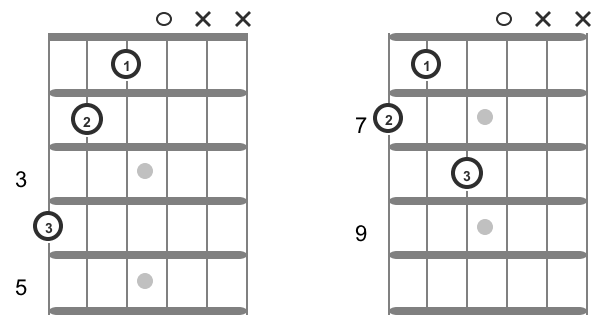
Ab9#11



Ab7#9



Abm#7



Abm#7/9

