

Example #5

Roots and half-step below

5 F⁷ B^b7 F⁷

9 Gm⁷ C⁷ F⁷ C⁷

13 C⁷ F⁷ C⁷

17 F⁷ C⁷

21 Dm⁷ G⁷ C⁷ G⁷

25 G⁷ C⁷ G⁷

Down

29 C⁷ G⁷

33 Am⁷ D⁷ G⁷ D⁷

37 D⁷ G⁷ D⁷

41 G⁷ D⁷

45 E A⁷ D⁷ A⁷

This block contains the first system of a bass line, spanning measures 37 to 48. It consists of three staves. The first staff (measures 37-40) has a D⁷ chord above measures 37-38 and a G⁷ chord above measures 39-40. The second staff (measures 41-44) has a G⁷ chord above measures 41-42 and a D⁷ chord above measures 43-44. The third staff (measures 45-48) has an E chord above measures 45-46, an A⁷ chord above measures 47-48, and a D⁷ chord above measure 49. The notes are: 37: B2, D2, F#2; 38: D2, F#2, A2; 39: G2, B1, D2; 40: B1, D2, F#2; 41: G2, B1, D2; 42: G2, B1, D2; 43: G2, B1, D2; 44: G2, B1, D2; 45: G2, B1, D2; 46: G2, B1, D2; 47: G2, B1, D2; 48: G2, B1, D2.

49 A⁷ D⁷ A⁷

This block contains the second system of a bass line, spanning measures 49 to 52. It consists of one staff. The notes are: 49: G2, B1, D2; 50: G2, B1, D2; 51: G2, B1, D2; 52: G2, B1, D2.

53 D⁷ A⁷

This block contains the third system of a bass line, spanning measures 53 to 56. It consists of one staff. The notes are: 53: G2, B1, D2; 54: G2, B1, D2; 55: G2, B1, D2; 56: G2, B1, D2.

57 Bm⁷ E⁷ A⁷ E⁷

This block contains the fourth system of a bass line, spanning measures 57 to 60. It consists of one staff. The notes are: 57: G2, B1, D2; 58: G2, B1, D2; 59: G2, B1, D2; 60: G2, B1, D2.

61 E⁷ A⁷ E⁷

This block contains the fifth system of a bass line, spanning measures 61 to 64. It consists of one staff. The notes are: 61: G2, B1, D2; 62: G2, B1, D2; 63: G2, B1, D2; 64: G2, B1, D2.

65 A⁷ E⁷

This block contains the sixth system of a bass line, spanning measures 65 to 68. It consists of one staff. The notes are: 65: G2, B1, D2; 66: G2, B1, D2; 67: G2, B1, D2; 68: G2, B1, D2.

69 F#m⁷ B⁷ E⁷ B⁷

This block contains the seventh system of a bass line, spanning measures 69 to 72. It consists of one staff. The notes are: 69: G2, B1, D2; 70: G2, B1, D2; 71: G2, B1, D2; 72: G2, B1, D2.

73 B⁷ E⁷ B⁷

77 E⁷ B⁷

81 C[#]m⁷ F[#] B⁷ F[#]

85 G^b7 C^b7 G^b7

89 C^b7 G^b7

93 A^bm⁷ D^b7 G^b7 D^b7

97 D^b7 G^b7 D^b7

101 G^b7 D^b7

105 E^bm⁷ A^b7 D^b7 A^b7

The image displays a single-staff bass line with 33 measures, numbered 73 to 105. The notation is in bass clef. Chords are indicated by letters with superscripted 7 (dominant 7th) or m⁷ (minor 7th). The key signature changes from one sharp (F#) to one flat (Bb) at measure 85. The notes in the bass line are: 73: G2, A2, B2, C#3; 74: D3, E3, F3, G3; 75: A3, B3, C4, D4; 76: E4, F4, G4, A4; 77: B4, C5, D5, E5; 78: F5, G5, A5, B5; 79: C6, D6, E6, F6; 80: G6, A6, B6, C7; 81: D7, E7, F7, G7; 82: A7, B7, C8, D8; 83: E8, F8, G8, A8; 84: B8, C9, D9, E9; 85: F#4, G#4, A#4, B#4; 86: C#5, D#5, E#5, F#5; 87: G#5, A#5, B#5, C#6; 88: D#6, E#6, F#6, G#7; 89: A#7, B#7, C#8, D#8; 90: E#8, F#8, G#8, A#9; 91: B#9, C#10, D#10, E#11; 92: F#11, G#11, A#11, B#12; 93: C#12, D#12, E#12, F#13; 94: G#13, A#13, B#13, C#14; 95: D#14, E#14, F#14, G#15; 96: A#15, B#15, C#16, D#17; 97: E#17, F#17, G#17, A#18; 98: B#18, C#19, D#19, E#20; 99: F#20, G#20, A#20, B#21; 100: C#21, D#21, E#21, F#22; 101: G#22, A#22, B#22, C#23; 102: D#23, E#23, F#23, G#24; 103: A#24, B#24, C#25, D#26; 104: E#26, F#26, G#26, A#27; 105: B#27, C#28, D#28, E#29.

109 $A\flat^7$ $D\flat^7$ $A\flat^7$

113 $D\flat^7$ $A\flat^7$

117 $B\flat m^7$ $E\flat^7$ $A\flat^7$ $E\flat^7$

121 $E\flat^7$ $A\flat^7$ $E\flat^7$

125 $A\flat^7$ $E\flat^7$

129 Fm^7 $B\flat^7$ $E\flat^7$ $B\flat^7$

133 $B\flat^7$ $E\flat^7$ $B\flat^7$

137 $E\flat^7$ $B\flat^7$

141 Cm^7 F^7 $B\flat^7$ F^7

Example #6

Roots and half-step above

145 F⁷ B^{b7} F⁷

149 B^{b7} F⁷

153 Gm⁷ C⁷ F⁷ C⁷

157 B^{b7} E^{b7} B^{b7}

161 E^{b7} B^{b7}

165 Cm⁷ F⁷ B^{b7} F⁷

169 E^{b7} A^{b7} E^{b7}

173 A^{b7} E^{b7}

177 Fm⁷ B^{b7} E^{b7} B^{b7}

The image displays a musical exercise in bass clef, consisting of eight staves. Each staff contains a sequence of notes representing the roots and half-step above of specific chords. The chords are labeled above the staves: 145 F⁷, B^{b7}, F⁷; 149 B^{b7}, F⁷; 153 Gm⁷, C⁷, F⁷, C⁷; 157 B^{b7}, E^{b7}, B^{b7}; 161 E^{b7}, B^{b7}; 165 Cm⁷, F⁷, B^{b7}, F⁷; 169 E^{b7}, A^{b7}, E^{b7}; 173 A^{b7}, E^{b7}; 177 Fm⁷, B^{b7}, E^{b7}, B^{b7}. The notes are written in a sequence that demonstrates the half-step relationship between the roots of adjacent chords.

181 $A\flat^7$ $D\flat^7$ $A\flat^7$

185 $D\flat^7$ $A\flat^7$

189 $B\flat m^7$ $E\flat^7$ $A\flat^7$ $E\flat^7$

193 $D\flat^7$ $G\flat^7$ $D\flat^7$

197 $G\flat^7$ $D\flat^7$

201 $E\flat m^7$ $A\flat^7$ $D\flat^7$ $A\flat^7$

205 $G\flat^7$ $C\flat^7$ $G\flat^7$

209 $C\flat^7$ $G\flat^7$

213 $A\flat m^7$ $D\flat^7$ $G\flat^7$ $D\flat^7$

217 B⁷ E⁷ B⁷

221 E⁷ B⁷

225 C[#]m⁷ F[#] B⁷ F[#]

229 E⁷ A⁷ E⁷

233 A⁷ E⁷

237 F[#]m⁷ B⁷ E⁷ B⁷

241 A⁷ D⁷ A⁷

245 D⁷ A⁷

249 Bm⁷ E⁷ A⁷ E⁷

253 D⁷ G⁷ D⁷

257 G⁷ D⁷

261 E A⁷ D⁷ A⁷

This musical system contains three staves of bass notation. The first staff (measures 253-256) has chords D⁷, G⁷, D⁷, and D⁷ above it. The second staff (measures 257-260) has chords G⁷ and D⁷ above it. The third staff (measures 261-264) has chords E, A⁷, D⁷, and A⁷ above it. The notes are: 253: G2, A2, B2, C3; 254: B2, C3, D3, E3; 255: D3, E3, F#3, G3; 256: E3, F#3, G3, A3; 257: G2, A2, B2, C3; 258: B2, C3, D3, E3; 259: D3, E3, F#3, G3; 260: E3, F#3, G3, A3; 261: G2, A2, B2, C3; 262: B2, C3, D3, E3; 263: D3, E3, F#3, G3; 264: E3, F#3, G3, A3.

265 G⁷ C⁷ G⁷

269 C⁷ G⁷

273 Am⁷ D⁷ G⁷ D⁷

This musical system contains three staves of bass notation. The first staff (measures 265-268) has chords G⁷, C⁷, G⁷, and G⁷ above it. The second staff (measures 269-272) has chords C⁷ and G⁷ above it. The third staff (measures 273-276) has chords Am⁷, D⁷, G⁷, and D⁷ above it. The notes are: 265: G2, A2, B2, C3; 266: B2, C3, D3, E3; 267: D3, E3, F#3, G3; 268: E3, F#3, G3, A3; 269: G2, A2, B2, C3; 270: B2, C3, D3, E3; 271: D3, E3, F#3, G3; 272: E3, F#3, G3, A3; 273: G2, A2, B2, C3; 274: B2, C3, D3, E3; 275: D3, E3, F#3, G3; 276: E3, F#3, G3, A3.

277 C⁷ F⁷ C⁷

281 F⁷ C⁷

285 Dm⁷ G⁷ C⁷ G⁷

This musical system contains three staves of bass notation. The first staff (measures 277-280) has chords C⁷, F⁷, C⁷, and C⁷ above it. The second staff (measures 281-284) has chords F⁷ and C⁷ above it. The third staff (measures 285-288) has chords Dm⁷, G⁷, C⁷, and G⁷ above it. The notes are: 277: G2, A2, B2, C3; 278: B2, C3, D3, E3; 279: D3, E3, F#3, G3; 280: E3, F#3, G3, A3; 281: G2, A2, B2, C3; 282: B2, C3, D3, E3; 283: D3, E3, F#3, G3; 284: E3, F#3, G3, A3; 285: G2, A2, B2, C3; 286: B2, C3, D3, E3; 287: D3, E3, F#3, G3; 288: E3, F#3, G3, A3.

Example #7

Roots and half-step above and below

289 F⁷ B^{b7} F⁷

293 B^{b7} F⁷

297 Gm⁷ C⁷ F⁷ C⁷

301 B^{b7} E^{b7} B^{b7}

305 E^{b7} B^{b7}

309 Cm⁷ F⁷ B^{b7} F⁷

313 E^{b7} A^{b7} E^{b7}

317 A^{b7} E^{b7}

321 Fm⁷ B^{b7} E^{b7} B^{b7}

The image displays musical notation for Example #7, which illustrates the concept of roots and half-step above and below for various chords. The notation is organized into six systems, each containing a bass staff and a series of chord labels above it. The chords are: F⁷, B^{b7}, F⁷, B^{b7}, F⁷, Gm⁷, C⁷, F⁷, C⁷, B^{b7}, E^{b7}, B^{b7}, E^{b7}, B^{b7}, Cm⁷, F⁷, B^{b7}, F⁷, E^{b7}, A^{b7}, E^{b7}, A^{b7}, E^{b7}, Fm⁷, B^{b7}, E^{b7}, B^{b7}. The notation shows the root of each chord and the half-step above and below it, with the half-step above and below being marked with a sharp or flat symbol.

325 $A\flat^7$ $D\flat^7$ $A\flat^7$

329 $D\flat^7$ $A\flat^7$

333 $B\flat m^7$ $E\flat^7$ $A\flat^7$ $E\flat^7$

337 $D\flat^7$ $G\flat^7$ $D\flat^7$

341 $G\flat^7$ $D\flat^7$

345 $E\flat m^7$ $A\flat^7$ $D\flat^7$ $A\flat^7$

349 $G\flat^7$ $C\flat^7$ $G\flat^7$

353 $C\flat^7$ $G\flat^7$

357 $A\flat m^7$ $D\flat^7$ $G\flat^7$ $D\flat^7$



397 D⁷ G⁷ D⁷

401 G⁷ D⁷

405 E A⁷ D⁷ A⁷

409 G⁷ C⁷ G⁷

413 C⁷ G⁷ U

417 Am⁷ D⁷ G⁷ D⁷

421 C⁷ F⁷ C⁷

425 F⁷ C⁷

429 Dm⁷ G⁷ C⁷ G⁷

Example #9

Blues bass line using roots and 3rds

433 F⁷ B^{b7} F⁷

437 B^{b7} F⁷

441 Gm⁷ C⁷ F⁷ C⁷

445 C⁷ F⁷ C⁷

449 F⁷ C⁷

453 Dm⁷ G⁷ C⁷ G⁷

457 G⁷ C⁷ G⁷

Down
461 C⁷ G⁷

465 Am⁷ D⁷ G⁷ D⁷

469 D⁷ G⁷ D⁷

473 G⁷ D⁷

477 E^m⁷ A⁷ D⁷ A⁷

481 A⁷ D⁷ A⁷

485 D⁷ A⁷

489 B^m⁷ E⁷ A⁷ E⁷

493 E⁷ A⁷ E⁷

497 A⁷ E⁷

501 F^{#m}⁷ B⁷ E⁷ B⁷

The image displays a series of musical staves in bass clef, each containing four measures of music. The notes are primarily eighth and quarter notes, often beamed together. Above each staff, specific chords are indicated: D⁷, G⁷, D⁷, G⁷, D⁷, E^m⁷, A⁷, D⁷, A⁷, A⁷, D⁷, A⁷, B^m⁷, E⁷, A⁷, E⁷, E⁷, A⁷, E⁷, F^{#m}⁷, B⁷, E⁷, and B⁷. The notation includes various accidentals such as sharps (#) and flats (b) on the notes.

505 B⁷ E⁷ B⁷

509 E⁷ B⁷

513 C[#]m⁷ F[#]7 B⁷ F[#]7

517 G^b7 C^b7 G^b7

521 C^b7 G^b7

525 A^bm⁷ D^b7 G^b7 D^b7

529 D^b7 G^b7 D^b7

533 G^b7 D^b7

537 E^bm⁷ A^b7 D^b7 A^b7

541 $A\flat^7$ $D\flat^7$ $A\flat^7$

545 $D\flat^7$ $A\flat^7$

549 $B\flat m^7$ $E\flat^7$ $A\flat^7$ $E\flat^7$

553 $E\flat^7$ $A\flat^7$ $E\flat^7$

557 $A\flat^7$ $E\flat^7$

561 $F m^7$ $B\flat^7$ $E\flat^7$ $B\flat^7$

565 $B\flat^7$ $E\flat^7$ $B\flat^7$

569 $E\flat^7$ $B\flat^7$

573 $C m^7$ F^7 $B\flat^7$ F^7

Example #10

Roots, 3rds, and half-steps

577 F⁷ B^{b7} F⁷

581 B^{b7} F⁷

585 G^{m7} C⁷ F⁷ C⁷

589 C⁷ F⁷ C⁷

593 F⁷ C⁷

597 D^{m7} G⁷ C⁷ G⁷

601 G⁷ C⁷ G⁷

605 C⁷ G⁷

609 A^{m7} D⁷ G⁷ D⁷

613 D⁷ G⁷ D⁷

617 G⁷ D⁷

621 E A⁷ D⁷ A⁷

625 A⁷ D⁷ A⁷

629 D⁷ A⁷

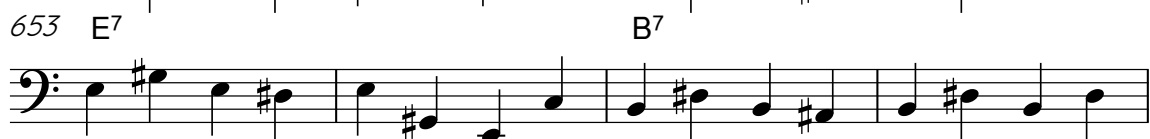
633 Bm⁷ E⁷ A⁷ E⁷

637 E⁷ A⁷ E⁷

641 A⁷ E⁷

645 F[♯]m⁷ B⁷ E⁷ B⁷

This image shows a series of musical staves in bass clef. Each staff contains a sequence of notes and rests, with specific chords indicated above the staff. The chords are: D⁷, G⁷, D⁷, G⁷, D⁷, E, A⁷, D⁷, A⁷, A⁷, D⁷, A⁷, Bm⁷, E⁷, A⁷, E⁷, E⁷, A⁷, E⁷, A⁷, E⁷, F[♯]m⁷, B⁷, E⁷, and B⁷. The notes are primarily eighth and quarter notes, with some accidentals (sharps and flats) indicating the specific key signature and chord tones. The staves are numbered 613, 617, 621, 625, 629, 633, 637, 641, and 645, corresponding to the first measure of each staff.



685 $A\flat^7$ $D\flat^7$ $A\flat^7$

689 $D\flat^7$ $A\flat^7$

693 $B\flat m^7$ $E\flat^7$ $A\flat^7$ $E\flat^7$

697 $E\flat^7$ $A\flat^7$ $E\flat^7$

701 $A\flat^7$ $E\flat^7$

705 $F m^7$ $B\flat^7$ $E\flat^7$ $B\flat^7$

709 $B\flat^7$ $E\flat^7$ $B\flat^7$

713 $E\flat^7$ $B\flat^7$

717 $C m^7$ F^7 $B\flat^7$ F^7

721

