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<?xml version="1.0" encoding="UTF-8"?>
<mamScript>
  <background type="fill" color="0/0/0/1" />
  <maxHorizontalScale value="32"/>
  <minHorizontalScale value=".125"/>
  <nowIndicator type="none" />
  <horizontalOffset seconds="0" />
  <fade startTime="-1000" startAlpha="0" endTime="-5" endAlpha="0" />
  <fade startTime="-5" startAlpha="0" endTime="0" endAlpha="1" />
  <fade startTime="1" startAlpha="1" endTime="1000" endAlpha="1" />
  <teleprompterMode mode="0" />
  <ballLeftMargin seconds="10" />
  <ballRightMargin seconds="5" />
  <minNonContiguousTime seconds="0.0" />

  <!-- COLOR (Z) -->
  <colorMode mode="part" />

  <!-- TIME (X) -->
  <connectionType type="none" />
  <timeAlign align="left" />
  <horizontalWarp factor="1" />
  <horizontalDuration seconds="10" />

  <renderer name="layer bracket" type="layerbracket" />

  <renderer name="axis" type="null" />

  <renderer name="rationaltime" type="rationaltime">
    <part name="rationaltime" ></part>
  </renderer>
  <rationalize r="1" />

  <renderer name="measuretiming" type="measuretiming" >
    <part name="measures" ></part>
  </renderer>

  <!-- FOR SCROLLING SYNC/BARLINES/MEASURENUMBERS -->
  <warpMode mode="fullWidth"/>

  <renderer name="sync null barlines" type="null" >
    <colorMode mode="part" />
    <barlineTop top="1" />
    <barlineBottom bottom="0.9" />
    <part name="sync" ></part>
  </renderer>

  <renderer name="measures diagnostic barlines" type="null" >
    <colorMode mode="part" />
    <barlineTop top="0.7" />
    <barlineBottom bottom="-1" />
    <part name="measures" ></part>
  </renderer>

  <renderer name="measures diagnostic null barlinenumbers" type="" >
    <colorMode mode="part" />
    <barlineNumberPosition pos="0.93" />
    <font name="Corbel" size="24" />
    <part name="measures" offColor="0.5/0.5/0.5/1.0" />
  </renderer>

  <!-- FOR MAIN DISPLAY -->
  <warpMode mode="fixedx"/>

  <showConnectingLines show="0" />
  <showCompass show="0" />

  <fixedPositionSet>
    <!-- {x,y}/{x,y} LEFT: N/A; RIGHT: N/A -->
    <fixedPosition pitch="60" rect="-1: 0: 1.00: 0" /> <!-- C start -->
    <fixedPosition pitch="62" rect="-1: 0: 1.00: 0" /> <!-- D S full -->
    <fixedPosition pitch="64" rect="-1: 0: 1.00: 0" /> <!-- D S full alt -->
    <fixedPosition pitch="65" rect="-1: 0: 1.00: 0" /> <!-- E non-S full -->
  </fixedPositionSet>

  <variable name="thetaRangeSA" value="0.000:0.000" /><!-- for spiral from center -->

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<variable name="thetaRangeSB" value="0.203:0.203" />
<variable name="thetaRangeSC" value="0.392:0.392" />
<variable name="thetaRangeSD" value="0.608:0.608" />
<variable name="thetaRangeSE" value="0.811:0.811" />
<variable name="thetaRangeSF" value="0.824:0.824" />

<variable name="thetaRangeFull" value="0.000:1.000" /><!-- for spiral from center -->
<variable name="thetaRangeA" value="0.000:0.203" />
<variable name="thetaRangeAend" value="0.135:0.190" />
<variable name="thetaRangeB" value="0.203:0.392" />
<variable name="thetaRangeC" value="0.392:0.608" />
<variable name="thetaRangeD" value="0.608:0.811" />
<variable name="thetaRangeE" value="0.811:0.824" />
<variable name="thetaRangeF" value="0.824:1.000" />
<variable name="thetaRangeG" value="0.203:0.203" /><!-- for spiral to center -->

<rangeSet s="[thetaRangeA" />
<rangeSet s="[thetaRangeB" />
<rangeSet s="[thetaRangeC" />
<rangeSet s="[thetaRangeD" />
<rangeSet s="[thetaRangeE" />
<rangeSet s="[thetaRangeF" />
<!-- <rangeSet s="[thetaRangeG" /> -->

<variable name="verticalRange19" value="47:96" />
<variable name="verticalRange17" value="43:92" />
<variable name="verticalRange16" value="42:91" />
<variable name="verticalRange15" value="40:89" />
<variable name="verticalRange14" value="38:87" />
<variable name="verticalRange13" value="37:86" />
<variable name="verticalRange12" value="35:84" />
<variable name="verticalRange11" value="33:82" />
<variable name="verticalRange9" value="30:79" />
<variable name="verticalRange8" value="28:77" />
<variable name="verticalRange4" value="21:70" />
<variable name="verticalRange3" value="19:68" />
<variable name="verticalRange2" value="18:67" />
<variable name="verticalRange1" value="16:65" />
<variable name="verticalRange5D" value="11:60" />
<variable name="verticalRange4D" value="9:58" />
<variable name="verticalRangeS8E" value="50:64" />
<variable name="verticalRangeS1A" value="49:59" />
<variable name="verticalRangeS1B" value="43:50" />
<variable name="verticalRangeS1C" value="52:58" />
<variable name="verticalRangeS1D" value="50:56" />
<variable name="verticalRangeS1E" value="41:50" />
<variable name="verticalRangeS1F" value="49:59" />
<variable name="verticalRange1G" value="38:55.3" />
<variable name="verticalRangeS12A" value="68:78" />
<variable name="verticalRangeS12B" value="62:68" />
<variable name="verticalRangeS15A" value="69:82" />
<variable name="verticalRangeS15B" value="68:74" />
<variable name="verticalRangeS15C" value="76:81" />
<variable name="verticalRangeS15D" value="74:80" />
<variable name="verticalRangeS15E" value="65:74" />

<variable name="verticalRangeS12C" value="71:77" />

<variable name="verticalRangeS12F" value="68:78" />
<variable name="verticalRangeS19E" value="73:81" />

<renderer name="layer bracket" type="layerbracket" />

<horizontalDuration seconds="800" />

<variable name="offColorPast" value="0/0/0" />

<!-- unison/octave color, variants of blue-to-cyan -->
<variable name="bassOnColor1" value="0.30/0.30/1.00/1.0" />
<variable name="bassOffColor1" value="0.30/0.30/0.70/1.0" />
<variable name="bassOnColor8" value="0.00/0.50/1.00/1.0" />
<variable name="bassOffColor8" value="0.00/0.35/0.70/1.0" />
<variable name="soprOnColor15" value="0.00/1.00/1.00/1.0" />
<variable name="soprOffColor15" value="0.00/0.70/0.70/1.0" />

<!-- E versions, green -->
<variable name="bassOnColorE1" value="0.00/1.00/0.00/1.0" />

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<variable name="bassOffColorE1" value="0.00/0.70/0.00/1.0" />
<variable name="bassOnColorE8" value="0.00/1.00/0.00/1.0" />
<variable name="bassOffColorE8" value="0.00/0.70/0.00/1.0" />
<variable name="soprOnColorE15" value="0.00/1.00/0.00/1.0" />
<variable name="soprOffColorE15" value="0.00/0.70/0.00/1.0" />

<!-- P5, red-to-yellow -->
<variable name="soprOnColor12" value="1.00/0.40/0.00/1.0" />
<variable name="soprOffColor12" value="0.75/0.30/0.00/1.0" />

<!-- m3, yellow -->
<variable name="soprOnColorE19" value="1.00/1.00/0.00/1.0" />
<variable name="soprOffColorE19" value="0.90/0.90/0.00/1.0" />

<variable name="bassBarHeightRange" value="0.4:0.8" />
<variable name="bassBarHeightRangeG" value="0.2:0.4" />
<variable name="soprBarHeightRange" value="0.2:0.4" />

<variable name="soprBarHeightRangeSF12" value="0.14:0.2" />

<variable name="soprBarHeightRangeSE15" value="0.14:0.2" />
<variable name="soprBarHeightRangeSD15" value="0.08:0.2" />
<variable name="soprBarHeightRangeSC15" value="0.08:0.2" />
<variable name="soprBarHeightRangeSB15" value="0.1:0.2" />
<variable name="bassBarHeightRangeSE1" value="0.15:0.2" />
<variable name="soprBarHeightRangeSB12" value="0.08:0.2" />
<variable name="soprBarHeightRangeSA12" value="0.15:0.3" />
<variable name="bassBarHeightRangeSA1" value="0.15:0.3" />
<variable name="soprBarHeightRangeSA15" value="0.2:0.4" />
<variable name="bassBarHeightRangeS" value="0.10:0.20" />
<variable name="soprBarHeightRangeS" value="0.05:0.10" />
<variable name="soprBarHeightRangeS3" value="0.10:0.20" />

<referenceTime t="1" /> <!-- duration of a dotted half-note -->

<ballPowerFactor f="1" />

<add3Doutline size="0" /> <!-- was 0.01 -->
<extendCursor extend="1" />
<fillCursor fill="0" />
<showOnlyCursor show="0" />
<showCursor show="0" />
<showFuture show="0" />

<timeThetaSet>
  <timeThetaPair t="-5" v="-0.156" />
  <timeThetaPair t="2.8" v="0:0" />
  <timeThetaPair t="63.9" v="1:0" />
  <timeThetaPair t="114.65" v="2:0" />
  <timeThetaPair t="164" v="3:0" />
  <timeThetaPair t="203" v="4:0" />
  <timeThetaPair t="222.3" v="4.2:0" />
  <timeThetaPair t="262.3" v="4.85" />
</timeThetaSet>

<!-- =====>
<!-- RANGE SET (underlay) =====>
<!-- =====>

<thetaRange range="[thetaRangeFull" />
<renderer name="sections fixedellipse" type="fixedellipse" >
  <showRangeSet show="1" />
  <showCursor show="1" />
  <showOnlyCursor only="1" />
  <highlightSounding hl="0" />
  <showNowLine show="0" />
  <part partNumber="0" onColor="1/1/1/0.3" offColor="0/0/0/0" ></part>
</renderer>

<!-- =====>
<!-- S =====>
<!-- =====>
<fadeOutDuration t="1" />

<renderer name="bass fixedposition" type="fixedposition" ><part name="bass_position" /></renderer>
<barHeightRange range="[bassBarHeightRangeS" />

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<verticalRange range="[verticalRangeS1A" />
<thetaRange range="[thetaRangeSA" />
<renderer name="bass" type="fixedellipse">
  <barHeightRange range="[bassBarHeightRangeSA1" />
  <part name="bassSA1" offColorPast="[bassOffColor1" onColor="[bassOnColor1" ></part>
</renderer>

<verticalRange range="[verticalRangeS1B" />
<thetaRange range="[thetaRangeSB" />
<renderer name="bass" type="fixedellipse">
  <part name="bassSB1" offColorPast="[bassOffColor1" onColor="[bassOnColor1" ></part>
</renderer>

<verticalRange range="[verticalRangeS1C" />
<thetaRange range="[thetaRangeSC" />
<renderer name="bass" type="fixedellipse">
  <part name="bassSC1" offColorPast="[bassOffColor1" onColor="[bassOnColor1" ></part>
</renderer>

<verticalRange range="[verticalRangeS1D" />
<thetaRange range="[thetaRangeSD" />
<renderer name="bass" type="fixedellipse">
  <part name="bassSD1" offColorPast="[bassOffColor1" onColor="[bassOnColor1" ></part>
</renderer>

<verticalRange range="[verticalRangeS1E" />
<thetaRange range="[thetaRangeSE" />
<renderer name="bass" type="fixedellipse">
  <barHeightRange range="[bassBarHeightRangeSE1" />
  <part name="bassSE1" offColorPast="[bassOffColor1" onColor="[bassOnColor1" ></part>
</renderer>

<verticalRange range="[verticalRangeS8E" />
<thetaRange range="[thetaRangeSE" />
<renderer name="bass" type="fixedellipse">
  <barHeightRange range="[bassBarHeightRangeSE1" />
  <part name="bassSE8" offColorPast="[bassOffColor8" onColor="[bassOnColor8" ></part>
</renderer>

<verticalRange range="[verticalRangeS1F" />
<thetaRange range="[thetaRangeSF" />
<renderer name="bass" type="fixedellipse">
  <barHeightRange range="[bassBarHeightRangeSE1" />
  <part name="bassSF1" offColorPast="[bassOffColor1" onColor="[bassOnColor1" ></part>
</renderer>

<renderer name="sopr fixedposition" type="fixedposition" ><part name="sopr_position" /></renderer>
<barHeightRange range="[soprBarHeightRangeS" />

<verticalRange range="[verticalRangeS12A" />
<thetaRange range="[thetaRangeSA" />
<renderer name="sopr" type="fixedellipse">
  <barHeightRange range="[soprBarHeightRangeSA12" />
  <part name="soprSA12" offColorPast="[soprOffColor12" onColor="[soprOnColor12" ></part>
</renderer>

<verticalRange range="[verticalRangeS12B" />
<thetaRange range="[thetaRangeSB" />
<renderer name="sopr" type="fixedellipse">
  <barHeightRange range="[soprBarHeightRangeSB12" />
  <part name="soprSB12" offColorPast="[soprOffColor12" onColor="[soprOnColor12" ></part>
</renderer>

<verticalRange range="[verticalRangeS12C" />
<thetaRange range="[thetaRangeSC" />
<renderer name="sopr" type="fixedellipse">
  <barHeightRange range="[soprBarHeightRangeSB12" />
  <part name="soprSC12" offColorPast="[soprOffColor12" onColor="[soprOnColor12" ></part>
</renderer>

<verticalRange range="[verticalRangeS12F" />
<thetaRange range="[thetaRangeSF" />
<renderer name="sopr" type="fixedellipse">
  <barHeightRange range="[soprBarHeightRangeSF12" />
  <part name="soprSF12" offColorPast="[soprOffColor12" onColor="[soprOnColor12" ></part>

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</renderer>

<verticalRange range="[verticalRangeS15A" />
<thetaRange range="[thetaRangeSA" />
<renderer name="sopr" type="fixedellipse">
  <barHeightRange range="[soprBarHeightRangeSA15" />
  <part name="soprSA15" offColorPast="[soprOffColor15" onColor="[soprOnColor15" ></part>
</renderer>

<barHeightRange range="[soprBarHeightRangeS" />
<verticalRange range="[verticalRangeS15B" />
<thetaRange range="[thetaRangeSB" />
<renderer name="sopr" type="fixedellipse">
  <barHeightRange range="[soprBarHeightRangeSB15" />
  <part name="soprSB15" offColorPast="[soprOffColor15" onColor="[soprOnColor15" ></part>
</renderer>

<verticalRange range="[verticalRangeS15C" />
<thetaRange range="[thetaRangeSC" />
<renderer name="sopr" type="fixedellipse">
  <barHeightRange range="[soprBarHeightRangeSC15" />
  <part name="soprSC15" offColorPast="[soprOffColor15" onColor="[soprOnColor15" ></part>
</renderer>

<verticalRange range="[verticalRangeS15D" />
<thetaRange range="[thetaRangeSD" />
<renderer name="sopr" type="fixedellipse">
  <barHeightRange range="[soprBarHeightRangeSD15" />
  <part name="soprSD15" offColorPast="[soprOffColor15" onColor="[soprOnColor15" ></part>
</renderer>

<verticalRange range="[verticalRangeS15E" />
<thetaRange range="[thetaRangeSE" />
<renderer name="sopr" type="fixedellipse">
  <barHeightRange range="[soprBarHeightRangeSE15" />
  <part name="soprSE15" offColorPast="[soprOffColor15" onColor="[soprOnColor15" ></part>
</renderer>

<barHeightRange range="[soprBarHeightRangeS3" />
<verticalRange range="[verticalRangeS19E" />
<thetaRange range="[thetaRangeSE" />
<renderer name="sopr" type="fixedellipse">
  <part name="soprSE19" offColorPast="[soprOffColor15" onColor="[soprOnColor15" ></part>
</renderer>

<!-- ===== -->
<!-- non-S ===== -->
<!-- ===== -->
<barHeightRange range="0.2:0.5" />
<fadeOutDuration t="0" />

<!-- ===== -->
<!-- A ===== -->
<!-- ===== -->
<thetaRange range="[thetaRangeA" />

<renderer name="bass fixedposition" type="fixedposition" ><part name="bass_position" /></renderer>

<verticalRange range="[verticalRange1" />
<barHeightRange range="[bassBarHeightRange" />
<renderer name="bass" type="fixedellipse">
  <part name="bassA1" offColorPast="[bassOffColor1" onColor="[bassOnColor1" ></part>
</renderer>

<renderer name="sopr fixedposition" type="fixedposition" ><part name="sopr_position" /></renderer>

<verticalRange range="[verticalRange12" />
<barHeightRange range="[soprBarHeightRange" />
<renderer name="sopr" type="fixedellipse">
  <part name="soprA12" offColorPast="[soprOffColor12" onColor="[soprOnColor12" ></part>
</renderer>

<verticalRange range="[verticalRange15" />
<barHeightRange range="[soprBarHeightRange" />
<renderer name="sopr" type="fixedellipse">

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    <part name="soprA15" offColorPast="[soprOffColor15" onColor="[soprOnColor15"      ></part>
</renderer>

<!-- ===== -->
<!-- B ===== -->
<!-- ===== -->
<thetaRange range="[thetaRangeB" />

<renderer name="bass fixedposition" type="fixedposition" ><part name="bass_position" /></renderer>

<verticalRange range="[verticalRange1" />
<barHeightRange range="[bassBarHeightRange" />
<renderer name="bass" type="fixedellipse">
  <part name="bassB1" offColorPast="[bassOffColor1" onColor="[bassOnColor1"      ></part>
</renderer>

<renderer name="sopr fixedposition" type="fixedposition" ><part name="sopr_position" /></renderer>

<verticalRange range="[verticalRange12" />
<barHeightRange range="[soprBarHeightRange" />
<renderer name="sopr" type="fixedellipse">
  <part name="soprB12" offColorPast="[soprOffColor12" onColor="[soprOnColor12"      ></part>
</renderer>

<verticalRange range="[verticalRange15" />
<barHeightRange range="[soprBarHeightRange" />
<renderer name="sopr" type="fixedellipse">
  <part name="soprB15" offColorPast="[soprOffColor15" onColor="[soprOnColor15"      ></part>
</renderer>

<!-- ===== -->
<!-- C ===== -->
<!-- ===== -->
<thetaRange range="[thetaRangeC" />

<renderer name="bass fixedposition" type="fixedposition" ><part name="bass_position" /></renderer>

<verticalRange range="[verticalRange1" />
<barHeightRange range="[bassBarHeightRange" />
<renderer name="bass" type="fixedellipse">
  <part name="bassC1" offColorPast="[bassOffColor1" onColor="[bassOnColor1"      ></part>
</renderer>

<renderer name="sopr fixedposition" type="fixedposition" ><part name="sopr_position" /></renderer>

<verticalRange range="[verticalRange12" />
<barHeightRange range="[soprBarHeightRange" />
<renderer name="sopr" type="fixedellipse">
  <part name="soprC12" offColorPast="[soprOffColor12" onColor="[soprOnColor12"      ></part>
</renderer>

<verticalRange range="[verticalRange15" />
<barHeightRange range="[soprBarHeightRange" />
<renderer name="sopr" type="fixedellipse">
  <part name="soprC15" offColorPast="[soprOffColor15" onColor="[soprOnColor15"      ></part>
</renderer>

<!-- ===== -->
<!-- D ===== -->
<!-- ===== -->
<thetaRange range="[thetaRangeD" />

<renderer name="bass fixedposition" type="fixedposition" ><part name="bass_position" /></renderer>

<verticalRange range="[verticalRange1" />
<barHeightRange range="[bassBarHeightRange" />
<renderer name="bass" type="fixedellipse">
  <part name="bassD1" offColorPast="[bassOffColor1" onColor="[bassOnColor1"      ></part>
</renderer>

<renderer name="sopr fixedposition" type="fixedposition" ><part name="sopr_position" /></renderer>

<verticalRange range="[verticalRange15" />
<barHeightRange range="[soprBarHeightRange" />
<renderer name="sopr" type="fixedellipse">
  <part name="soprD15" offColorPast="[soprOffColor15" onColor="[soprOnColor15"      ></part>

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</renderer>

<!-- ===== -->
<!-- E ===== -->
<!-- ===== -->
<thetaRange range="[thetaRangeE" />

<renderer name="bass fixedposition" type="fixedposition" ><part name="bass_position" /></renderer>

<verticalRange range="[verticalRange1" />
<barHeightRange range="[bassBarHeightRange" />
<renderer name="bass" type="fixedellipse">
  <part name="bassE1" offColorPast="[bassOffColorE1" onColor="[bassOnColorE1" ></part>
</renderer>

<verticalRange range="[verticalRange8" />
<barHeightRange range="[bassBarHeightRange" />
<renderer name="bass" type="fixedellipse">
  <part name="bassE8" offColorPast="[bassOffColorE8" onColor="[bassOnColorE8" ></part>
</renderer>

<renderer name="sopr fixedposition" type="fixedposition" ><part name="sopr_position" /></renderer>

<verticalRange range="[verticalRange15" />
<barHeightRange range="[soprBarHeightRange" />
<renderer name="sopr" type="fixedellipse">
  <part name="soprE15" offColorPast="[soprOffColorE15" onColor="[soprOnColorE15" ></part>
</renderer>

<verticalRange range="[verticalRange19" />
<barHeightRange range="[soprBarHeightRange" />
<renderer name="sopr" type="fixedellipse">
  <part name="soprE19" offColorPast="[soprOffColorE19" onColor="[soprOnColorE19" ></part>
</renderer>

<!-- ===== -->
<!-- F ===== -->
<!-- ===== -->
<thetaRange range="[thetaRangeF" />

<renderer name="bass fixedposition" type="fixedposition" ><part name="bass_position" /></renderer>

<verticalRange range="[verticalRange1" />
<barHeightRange range="[bassBarHeightRange" />
<renderer name="bass" type="fixedellipse">
  <part name="bassF1" offColorPast="[bassOffColor1" onColor="[bassOnColor1" ></part>
</renderer>

<renderer name="sopr fixedposition" type="fixedposition" ><part name="sopr_position" /></renderer>

<verticalRange range="[verticalRange12" />
<barHeightRange range="[soprBarHeightRange" />
<renderer name="sopr" type="fixedellipse">
  <part name="soprF12" offColorPast="[soprOffColor12" onColor="[soprOnColor12" ></part>
</renderer>

<!-- ===== -->
<!-- G, BassLastNote ===== -->
<!-- ===== -->

<thetaRange range="[thetaRangeG" />
<verticalRange range="[verticalRange1G" />
<barHeightRange range="[bassBarHeightRangeG" />
<renderer name="bass fixedposition" type="fixedposition" ><part name="bass_positionG" /></renderer>
<renderer name="bass fixedellipse" type="fixedellipse">
  <fadeOutDuration t="1" />
  <part name="bassG1" offColorPast="[bassOffColor1" onColor="[bassOnColor1" ></part>
  <fadeOutDuration t="0" />
  <part name="bassLastNote" offColorPast="[bassOffColor1" onColor="[bassOnColor1" ></part>
</renderer>

<!-- ===== -->
<!-- A end ===== -->
<!-- ===== -->
<fadeOutDuration t="0" />
<thetaRange range="[thetaRangeAend" />

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<verticalRange range="[verticalRange15" />
<barHeightRange range="[soprBarHeightRange" />
<renderer name="sopr fixedposition" type="fixedposition" ><part name="sopr_position" /></renderer>
<renderer name="sopr" type="fixedellipse">
  <part name="soprA15end" offColorPast="[soprOffColor15" onColor="[soprOnColor15" ></part>
</renderer>
</mamScript>
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