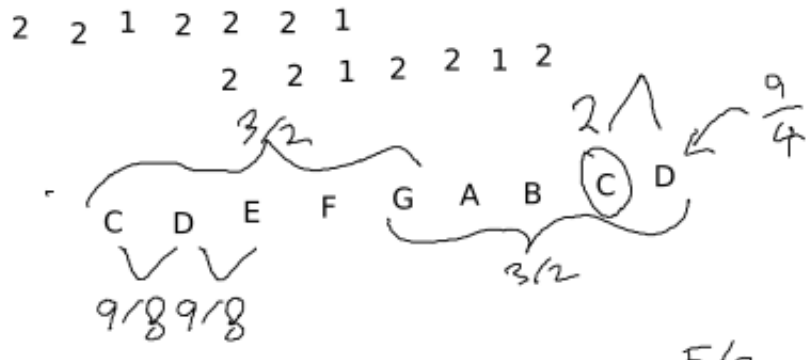


$\overset{r}{\curvearrowright}$
 C C# D D# E F F# G G# A A# B C
 -9 -2 -1 0

$2:1 \quad r^{12} = 2 \quad r = \sqrt[12]{2}$

$\overset{F}{\curvearrowright} \overset{A}{\curvearrowright} \overset{C}{\curvearrowright} \quad \overset{F}{\curvearrowright} \overset{A}{\curvearrowright} \overset{C}{\curvearrowright}$
 F A C E G B D



$\frac{81}{64}$ "E"
 $\frac{5}{4}$ E

$A/D = \frac{5/3}{9/8} = \frac{40}{27}$
 $\frac{81/64}{5/4} = \frac{81}{5 \cdot 16}$

81
80