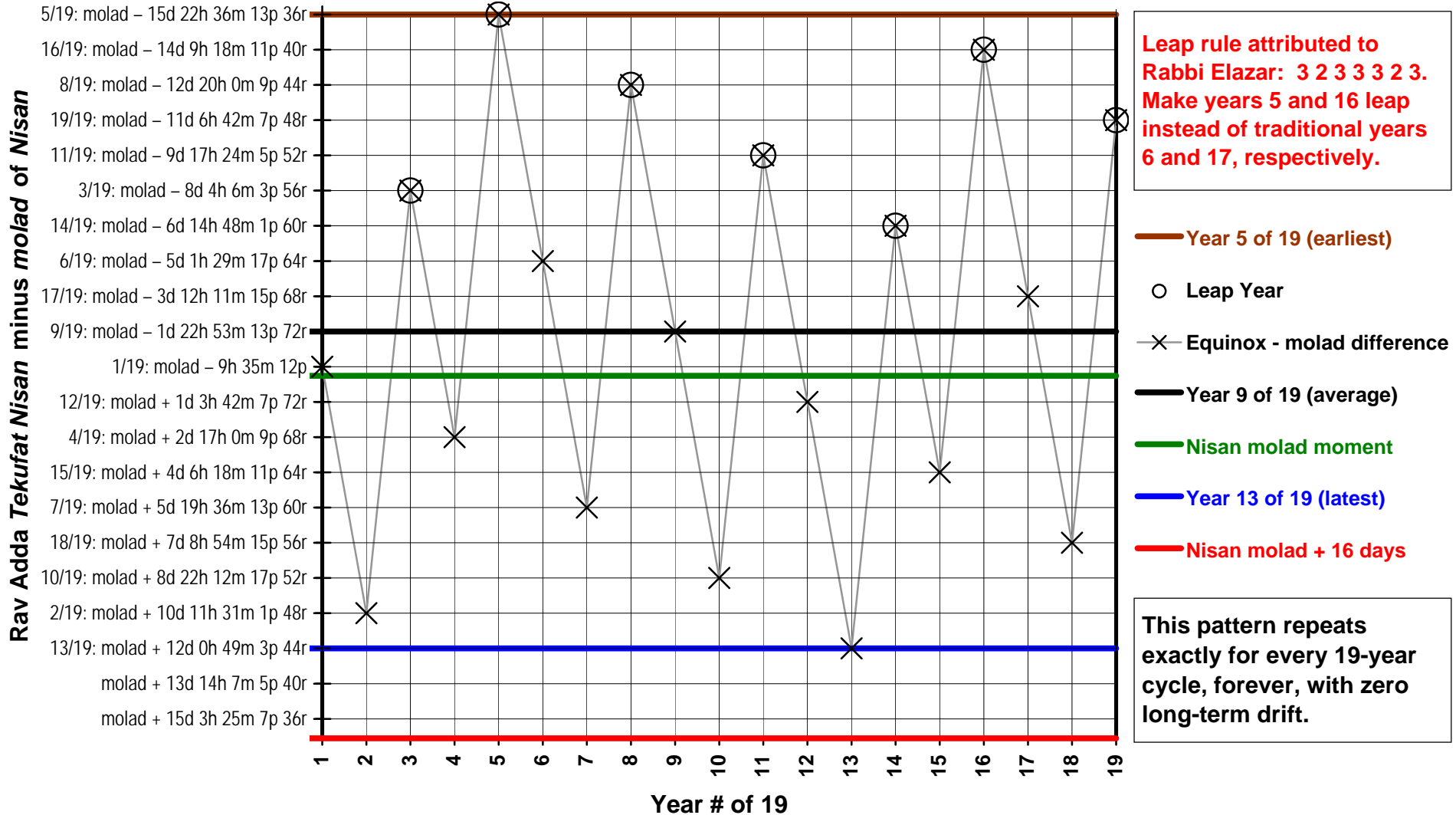


# Rav Adda Tekufat Nisan (Spring Equinox) minus molad of Nisan

Hebrew Calendar mean year = Tekufat Adda mean year = Traditional Molad interval x 235 months / 19 years  
 = 365 days 5 hours 55 minutes 7 parts 48 regaim [part= $\frac{10}{3}$  seconds, rega= $\frac{\text{part}}{76}$ ]



Leap rule attributed to Rabbi Elazar: 3 2 3 3 3 2 3. Make years 5 and 16 leap instead of traditional years 6 and 17, respectively.

This pattern repeats exactly for every 19-year cycle, forever, with zero long-term drift.

Exact vertical interval =  $\frac{1}{19}$  molad interval =  $1 + \frac{272953}{492480}$  days = 1 day 13 hours 18 minutes 1 part 72 regaim.  
 Earliest/average/latest equinox moments =  $\frac{2}{19}$  of a molad interval earlier than the traditional Hebrew calendar.