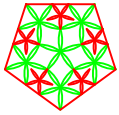
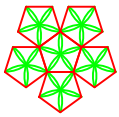


Pattern construction rules:

n = 0

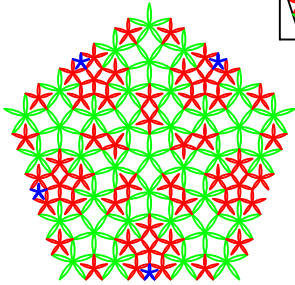
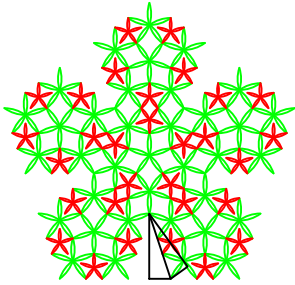


n = 1

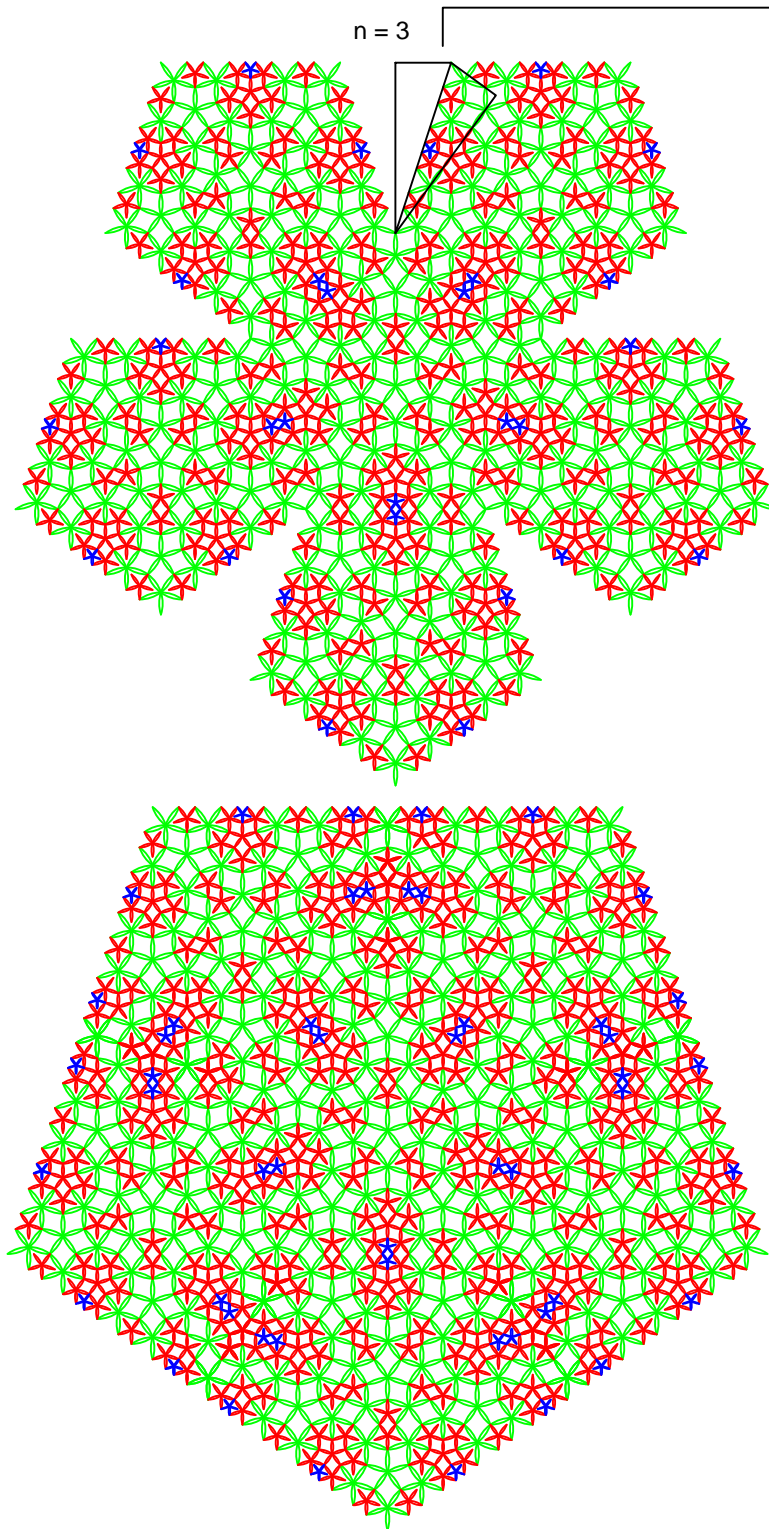
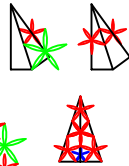


 $a(1) = 1$

n = 2

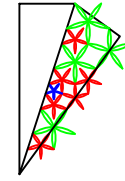


$a(2) = 5$

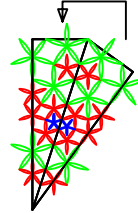


n = 3

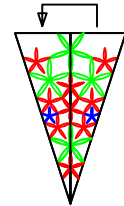
1) Consider pattern on reflection of half void area.



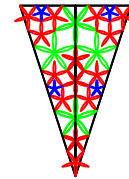
2) Reflection back to void area.



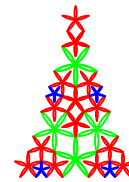
3) Reflection to cover full void area and delete flowers that extend over base line.



4) Add flowers at scale ϕ^{-1} (red color) and $2-\phi$ (blue color) to fill void spaces. Insert the pattern back to main pattern to receive full pentagon like pattern. Where $\phi = (1+\sqrt{5})/2$.



5) The triangle pattern is look like Xmas tree. The total number of flowers (or stars) is $a(n)$.



$a(3) = 22$