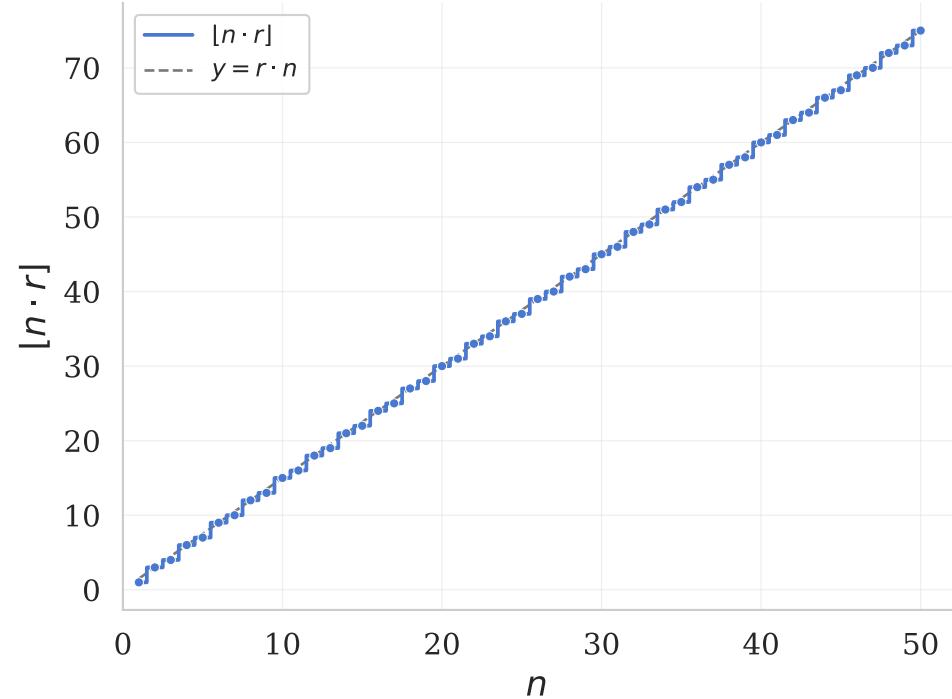
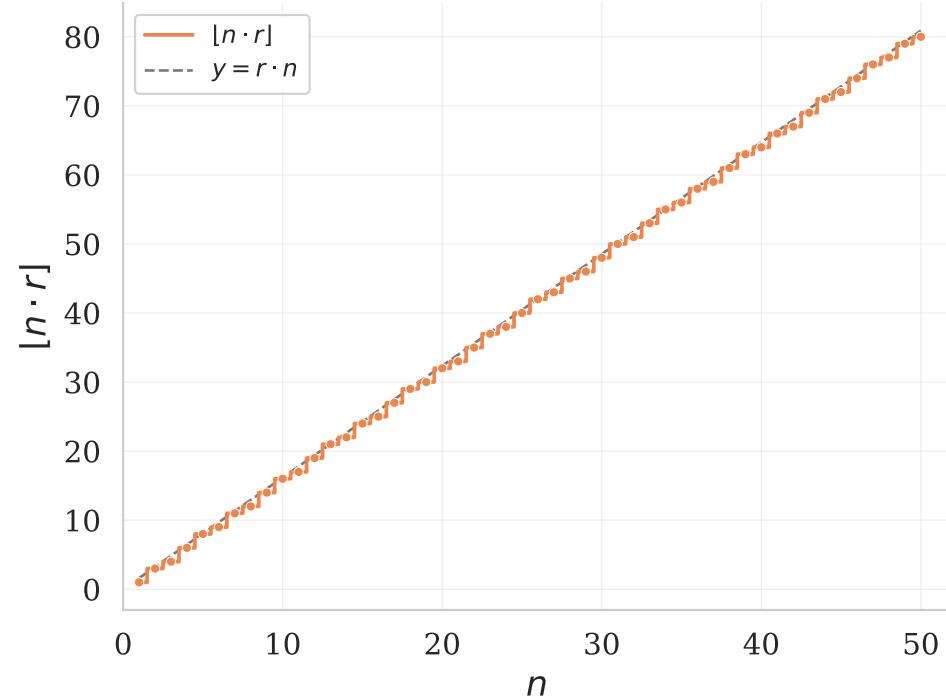


# Beatty Sequences for Representative Irrationality Classes

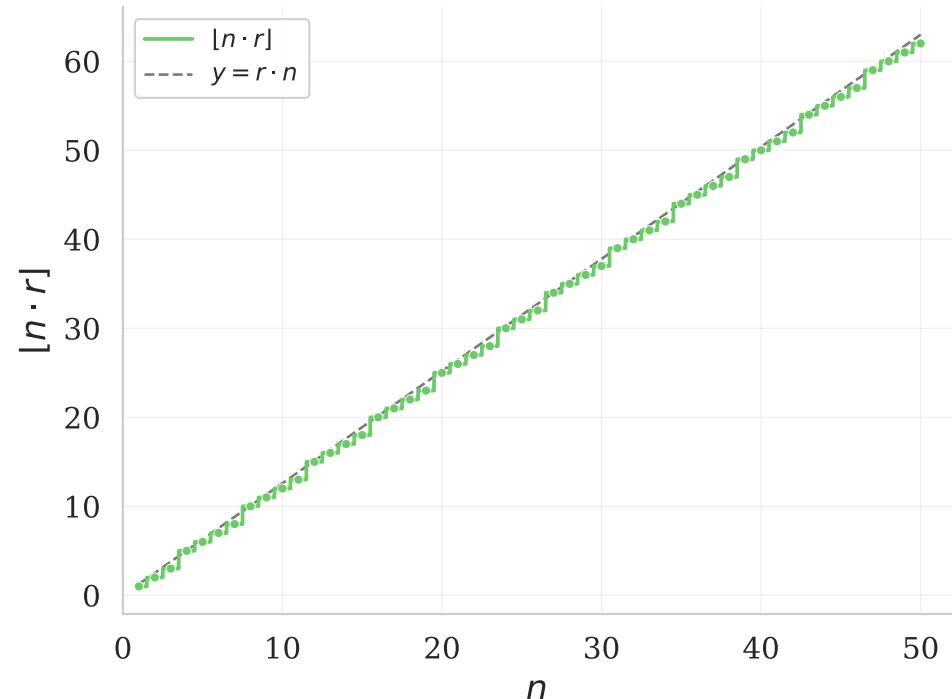
(a)  $r = 3/2$  (rational)



(b)  $r = \varphi = \frac{1 + \sqrt{5}}{2}$  (quadratic irrational)



(c)  $r = 2^{1/3}$  (cubic algebraic irrational)



(d)  $r = \pi$  (transcendental)

