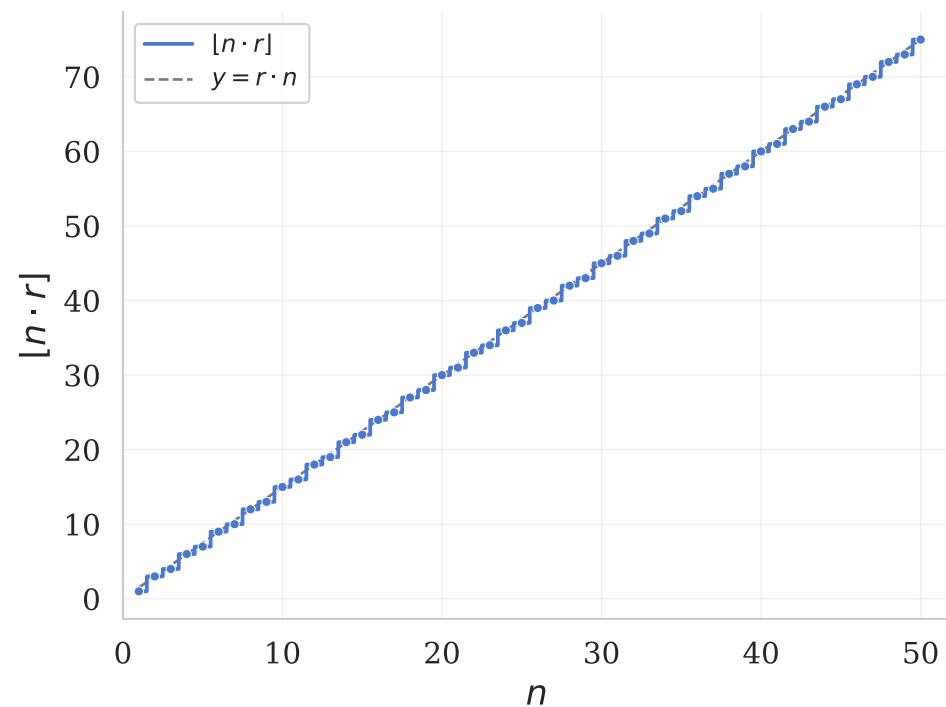
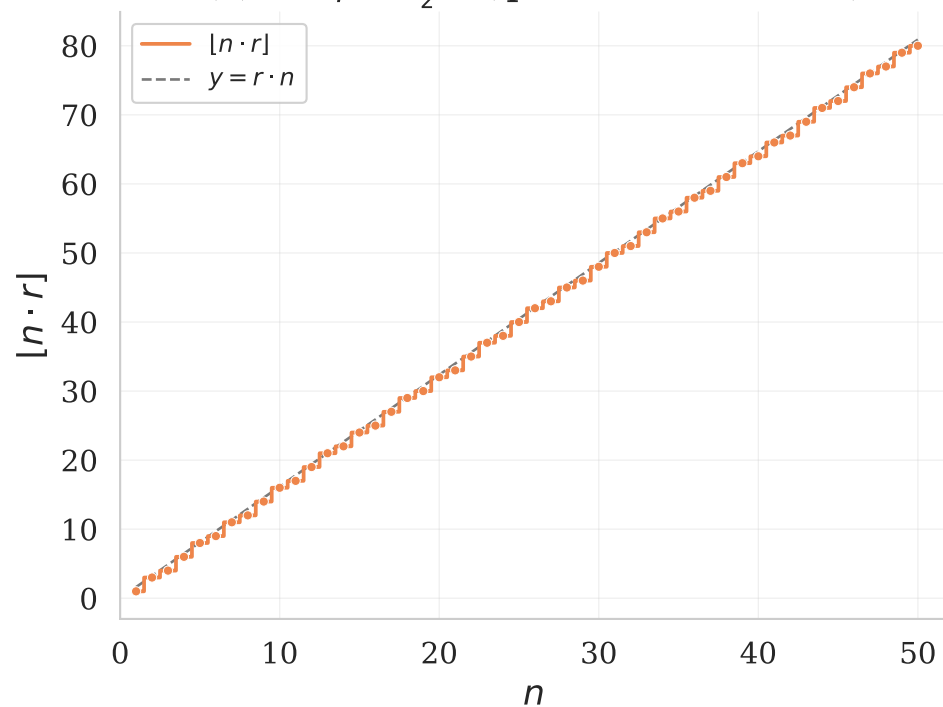


Beatty Sequences for Representative Irrationality Classes

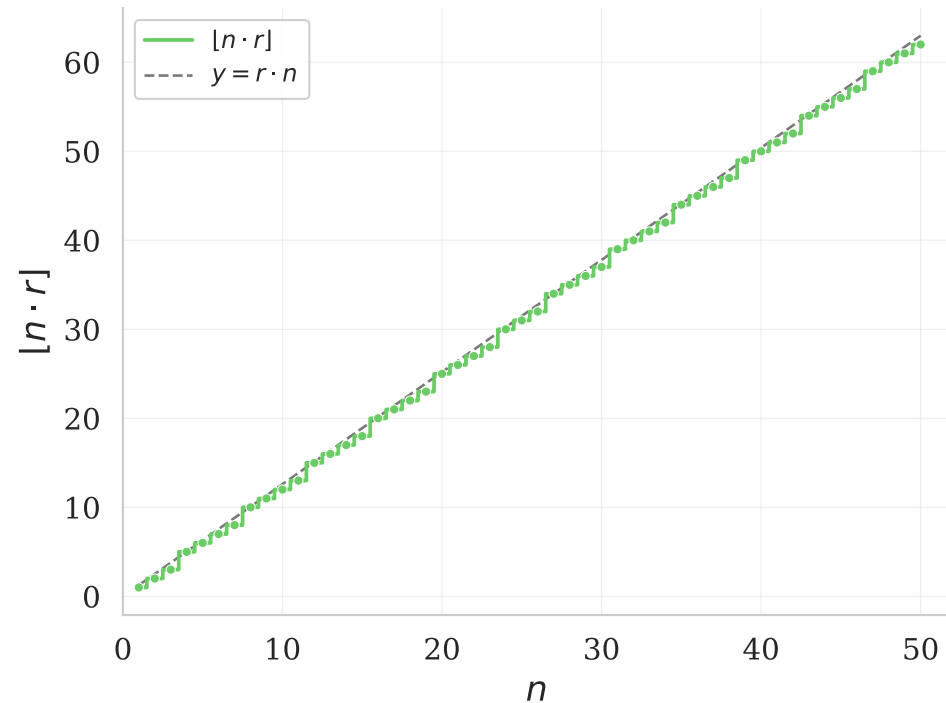
(a) $r = 3/2$ (rational)



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



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



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

