2 - Binarny algorytm Euklidesa

Tuesday, 18 June 2024

16.32

Mamy a, b > 0. Chcemy znaleže god (a, b). ged (a, b): if act: Iwap (a,b) if h == 0: return a if 21a and 216: return 2. $gcd\left(\frac{a}{2}, \frac{b}{2}\right)$ if 2/a: return $gcd\left(\frac{\alpha}{z}, F\right)$ 172/6: return gcd(a, ½)
return gcd(a-b, b)

Wożoność: O(log² max(a, b))