## 0505 yeurs arroputu Eberuga

Teopera Tyers a, b ∈ Z; a, b > 0 Torga I x, y ∈ Z Takue, 170 ax + by = gcd (a,b) (+)

Ososyeuwin am Ebenega chynait gra otucuauud gcd (a,b) u x,y, удовлетворя ющих (\*)

u = (a, 1, 0)Alep: V = (b, 01) while vso] + 0:

q = u IoJ = //# integer division VEOJ

t = (u[0] % v[0], u[1] - q v[1], u[2] -qv[2])

u = vv = t

u = (gcd(a,b), x, y)return u