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1  /*
2   | Extended Euclidean Algorithm |
3   Desc: Find a way to represent GCD in terms of a and b for which a*x + b*y =
4   gcd(a,b)
5   Source: KawakiMeido
6   State: Untested lmao
7 */
8 pll extend_euclid(ll a, ll b) {
9     if (b == 0) { return {1, 0}; }
10    pll p = extend_euclid(b, a % b);
11    return {p.se, p.fi - a / b * p.se};
12 }
```