```
mod_inv(3, 5, 4)
4 or mod_inv(3, 5, 3)
4 or (3 or mod_inv(3, 5, 2))
4 or (3 or (2 or (mod_inv(3, 5, 1))))
4 or (3 or (2 or 1))
4 or (3 or 2)
4 or 2
2
```