```
MODULAR-LINEAR-EQUATION-SOLVER(a, b, n)
1  (d, x', y') = EXTENDED-EUCLID(a, n)
2  if d | b
3       x_0 = x'(b/d) mod n
4       for i = 0 to d - 1
5            print (x_0 + i(n/d)) mod n
6  else print "no solutions"
```