NOT dq -> dr

kg OR kf -> kh

ep OR eo -> eq

44430 -> b

NOT gs -> gt

dd OR do -> dp

eg AND ei -> ej

y AND ae -> ag

jx AND jz -> ka

lf RSHIFT 2 -> lg

z AND aa -> ac

dy AND ej -> el

bj OR bi -> bk

kk RSHIFT 3 -> km

NOT cn -> co

gn AND gp -> gq

cq AND cs -> ct

eo LSHIFT 15 -> es

lg OR lm -> ln

dy OR ej -> ek

NOT di -> dj

1 AND fi -> fj

kf LSHIFT 15 -> kj

NOT jy -> jz

NOT ft -> fu

fs AND fu -> fv

NOT hr -> hs

ck OR cl -> cm

jp RSHIFT 5 -> js

iv OR jb -> jc

is OR it -> iu

ld OR le -> lf

NOT fc -> fd

NOT dm -> dn

bn OR by -> bz

aj AND al -> am

cd LSHIFT 15 -> ch

jp AND ka -> kc

ci OR ct -> cu

gv AND gx -> gy

de AND dk -> dm

x RSHIFT 5 -> aa

et RSHIFT 2 -> eu

x RSHIFT 1 -> aq

ia OR ig -> ih

bk LSHIFT 1 -> ce

y OR ae -> af

NOT ca -> cb

e AND f -> h

ia AND ig -> ii

ck AND cl -> cn

NOT jh -> ji

z OR aa -> ab

1 AND en -> eo

ib AND ic -> ie

NOT eh -> ei

iy AND ja -> jb

NOT bb -> bc

ha OR gz -> hb

1 AND cx -> cy

NOT ax -> ay

ev OR ew -> ex

bn RSHIFT 2 -> bo

er OR es -> et

eu OR fa -> fb

jp OR ka -> kb

ea AND eb -> ed

k AND m -> n

et RSHIFT 3 -> ev

et RSHIFT 5 -> ew

hz RSHIFT 1 -> is

ki OR kj -> kk

NOT h -> i

lv LSHIFT 15 -> lz

as RSHIFT 1 -> bl

hu LSHIFT 15 -> hy

iw AND ix -> iz

lf RSHIFT 1 -> ly

fp OR fv -> fw

1 AND am -> an

ap LSHIFT 1 -> bj

u LSHIFT 1 -> ao

b RSHIFT 5 -> f

jq AND jw -> jy

iu RSHIFT 3 -> iw

ih AND ij -> ik

NOT iz -> ja

de OR dk -> dl

iu OR jf -> jg

as AND bd -> bf

b RSHIFT 3 -> e

jq OR jw -> jx

iv AND jb -> jd

cg OR ch -> ci

iu AND jf -> jh

lx -> a

1 AND cc -> cd

ly OR lz -> ma

NOT el -> em

1 AND bh -> bi

fb AND fd -> fe

lf OR lq -> lr

bn RSHIFT 3 -> bp

bn AND by -> ca

af AND ah -> ai

cf LSHIFT 1 -> cz

dw OR dx -> dy

gj AND gu -> gw

jg AND ji -> jj

jr OR js -> jt

bl OR bm -> bn

gj RSHIFT 2 -> gk

cj OR cp -> cq

gj OR gu -> gv

b OR n -> o

o AND q -> r

bi LSHIFT 15 -> bm

dy RSHIFT 1 -> er

cu AND cw -> cx

iw OR ix -> iy

hc OR hd -> he

0 -> c

db OR dc -> dd

kk RSHIFT 2 -> kl

eq LSHIFT 1 -> fk

dz OR ef -> eg

NOT ed -> ee

lw OR lv -> lx

fw AND fy -> fz

dz AND ef -> eh

jp RSHIFT 3 -> jr

lg AND lm -> lo

ci RSHIFT 2 -> cj

be AND bg -> bh

lc LSHIFT 1 -> lw

hm AND ho -> hp

jr AND js -> ju

1 AND io -> ip

cm AND co -> cp

ib OR ic -> id

NOT bf -> bg

fo RSHIFT 5 -> fr

ip LSHIFT 15 -> it

jt AND jv -> jw

jc AND je -> jf

du OR dt -> dv

NOT fx -> fy

aw AND ay -> az

ge LSHIFT 15 -> gi

NOT ak -> al

fm OR fn -> fo

ff AND fh -> fi

ci RSHIFT 5 -> cl

cz OR cy -> da

NOT ey -> ez

NOT ju -> jv

NOT ls -> lt

kk AND kv -> kx

NOT ii -> ij

kl AND kr -> kt

jk LSHIFT 15 -> jo

e OR f -> g

NOT bs -> bt

hi AND hk -> hl

hz OR ik -> il

ek AND em -> en

ao OR an -> ap

dv LSHIFT 1 -> ep

an LSHIFT 15 -> ar

fo RSHIFT 1 -> gh

NOT im -> in

kk RSHIFT 1 -> ld

hw LSHIFT 1 -> iq

ec AND ee -> ef

hb LSHIFT 1 -> hv

kb AND kd -> ke

x AND ai -> ak

dd AND do -> dq

aq OR ar -> as

iq OR ip -> ir

dl AND dn -> do

iu RSHIFT 5 -> ix

as OR bd -> be

NOT go -> gp

fk OR fj -> fl

jm LSHIFT 1 -> kg

NOT cv -> cw

dp AND dr -> ds

dt LSHIFT 15 -> dx

et RSHIFT 1 -> fm

dy RSHIFT 3 -> ea

fp AND fv -> fx

NOT p -> q

dd RSHIFT 2 -> de

eu AND fa -> fc

ba AND bc -> bd

dh AND dj -> dk

lr AND lt -> lu

he RSHIFT 1 -> hx

ex AND ez -> fa

df OR dg -> dh

fj LSHIFT 15 -> fn

NOT kx -> ky

gk OR gq -> gr

dy RSHIFT 2 -> dz

gh OR gi -> gj

lj AND ll -> lm

x OR ai -> aj

bz AND cb -> cc

1 AND lu -> lv

as RSHIFT 3 -> au

ce OR cd -> cf

il AND in -> io

dd RSHIFT 1 -> dw

NOT lo -> lp

c LSHIFT 1 -> t

dd RSHIFT 3 -> df

dd RSHIFT 5 -> dg

lh AND li -> lk

lf RSHIFT 5 -> li

dy RSHIFT 5 -> eb

NOT kt -> ku

at OR az -> ba

x RSHIFT 3 -> z

NOT lk -> ll

lb OR la -> lc

1 AND r -> s

lh OR li -> lj

ln AND lp -> lq

kk RSHIFT 5 -> kn

ea OR eb -> ec

ci AND ct -> cv

b RSHIFT 2 -> d

jp RSHIFT 1 -> ki

NOT cr -> cs

NOT jd -> je

jp RSHIFT 2 -> jq

jn OR jo -> jp

lf RSHIFT 3 -> lh

1 AND ds -> dt

lf AND lq -> ls

la LSHIFT 15 -> le

NOT fg -> fh

at AND az -> bb

au AND av -> ax

kw AND ky -> kz

v OR w -> x

kk OR kv -> kw

ks AND ku -> kv

kh LSHIFT 1 -> lb

1 AND kz -> la

NOT kc -> kd

x RSHIFT 2 -> y

et OR fe -> ff

et AND fe -> fg

NOT ac -> ad

jl OR jk -> jm

1 AND jj -> jk

bn RSHIFT 1 -> cg

NOT kp -> kq

ci RSHIFT 3 -> ck

ev AND ew -> ey

1 AND ke -> kf

cj AND cp -> cr

ir LSHIFT 1 -> jl

NOT gw -> gx

as RSHIFT 2 -> at

iu RSHIFT 1 -> jn

cy LSHIFT 15 -> dc

hg OR hh -> hi

ci RSHIFT 1 -> db

au OR av -> aw

km AND kn -> kp

gj RSHIFT 1 -> hc

iu RSHIFT 2 -> iv

ab AND ad -> ae

da LSHIFT 1 -> du

NOT bw -> bx

km OR kn -> ko

ko AND kq -> kr

bv AND bx -> by

kl OR kr -> ks

1 AND ht -> hu

df AND dg -> di

NOT ag -> ah

d OR j -> k

d AND j -> l

b AND n -> p

gf OR ge -> gg

gg LSHIFT 1 -> ha

bn RSHIFT 5 -> bq

bo OR bu -> bv

1 AND gy -> gz

s LSHIFT 15 -> w

NOT ie -> if

as RSHIFT 5 -> av

bo AND bu -> bw

hz AND ik -> im

bp AND bq -> bs

b RSHIFT 1 -> v

NOT l -> m

bp OR bq -> br

g AND i -> j

br AND bt -> bu

t OR s -> u

hz RSHIFT 5 -> ic

gk AND gq -> gs

fl LSHIFT 1 -> gf

he RSHIFT 3 -> hg

gz LSHIFT 15 -> hd

hf OR hl -> hm

1 AND gd -> ge

fo OR fz -> ga

id AND if -> ig

fo AND fz -> gb

gr AND gt -> gu

he OR hp -> hq

fq AND fr -> ft

ga AND gc -> gd

fo RSHIFT 2 -> fp

gl OR gm -> gn

hg AND hh -> hj

NOT hn -> ho

gl AND gm -> go

he RSHIFT 5 -> hh

NOT gb -> gc

hq AND hs -> ht

hz RSHIFT 3 -> ib

hz RSHIFT 2 -> ia

fq OR fr -> fs

hx OR hy -> hz

he AND hp -> hr

gj RSHIFT 5 -> gm

hf AND hl -> hn

hv OR hu -> hw

NOT hj -> hk

gj RSHIFT 3 -> gl

fo RSHIFT 3 -> fq

he RSHIFT 2 -> hf