

# Login Process

Memory  
(RAM)

Password Table

Encrypted  
Password  
(ROT13)

Name

Login name

cathy

Password

klm

cathy

klm

xyz

xyz

root

cathy

fred

mary

abc

xyz

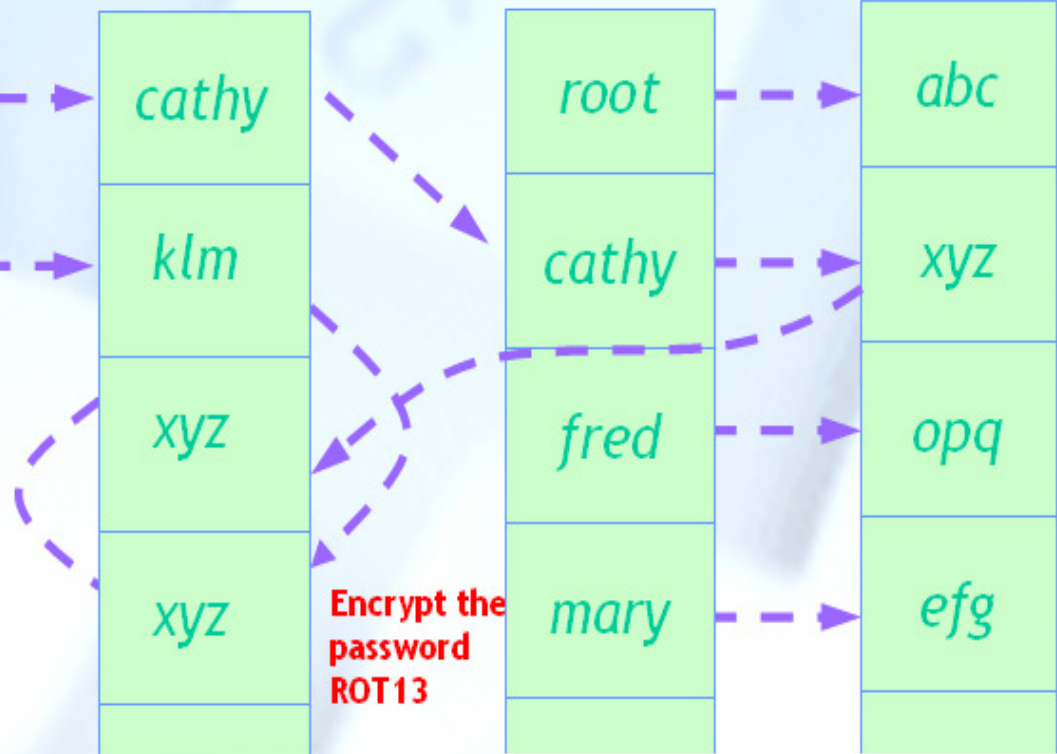
opq

efg

Login !

Encrypt the  
password  
ROT13

bye



# Overflow Attack

Memory  
(RAM)

Password Table

Encrypted  
Password  
(ROT13)

Name

Login name

cathy

Password

bdfoqs

cathy

bdf

oqs

~~xyz~~

oqs

root

cathy

fred

mary

abc

xyz

rmd

qpx

Overwrite

MATCH !

Encrypt the  
password  
ROT13

Overflow !

Login successfully!

bye