

CS 315-01 Project 03

Project 02 Exam Probs due tonight 11:59

Tue strings lb/sb

2's complement

Wed bits

micro config for risc-v

gdb config

gdb on string func debugging

x/ examine memory

bitwise ops in assembly

get_bitseq-s.s

shifts

$x \gg n$

logical
arithmetic

eval.c

→

foo(int *xp)

reverse string rstr

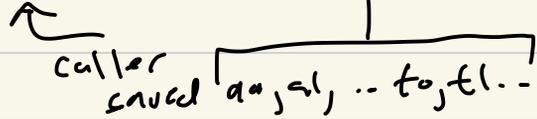
calling strlen

- global rstr_s
- global strlen

rstr_s:

#a0 ← ptr to str

call strlen



restore

bitwise opr in assembly

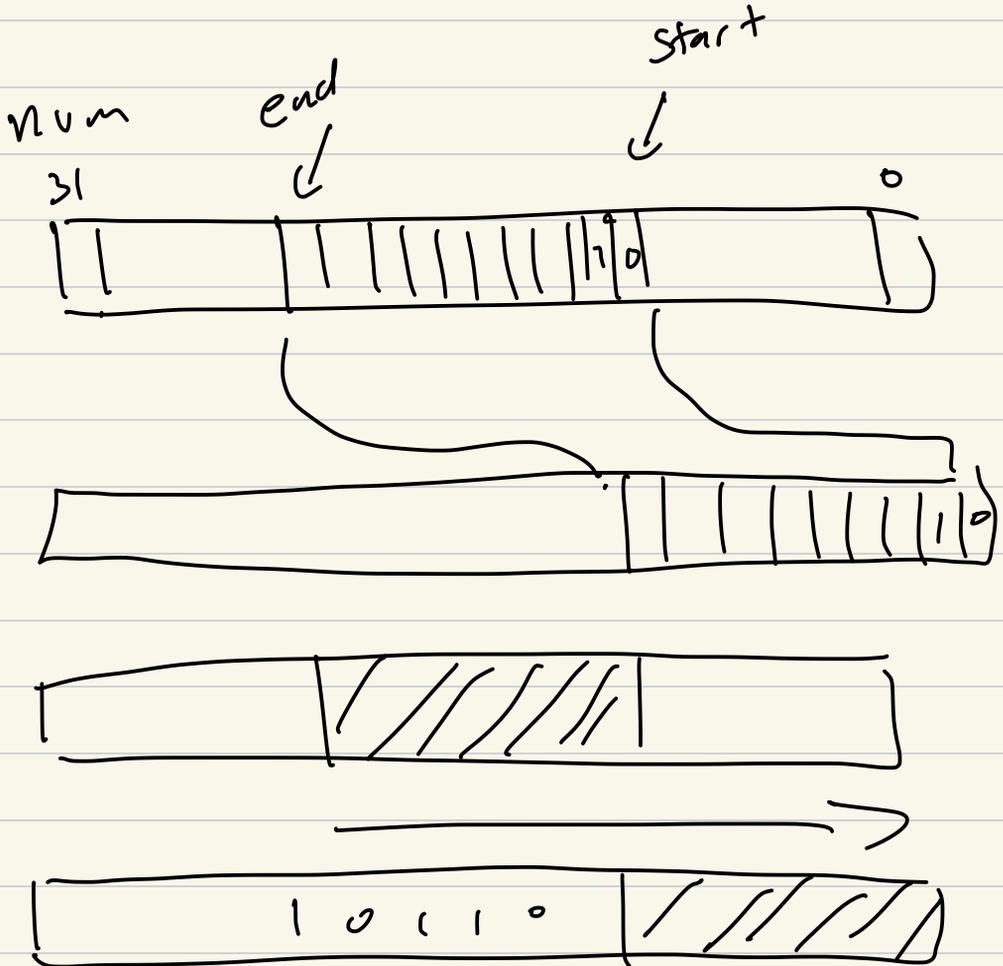
$$\begin{array}{r}
 0000\ 0001 \leftarrow \\
 \text{in } 1111\ 1110 \\
 + \\
 \hline
 1111\ 1111
 \end{array}$$

inv 06 0110

06 1111

06 0110

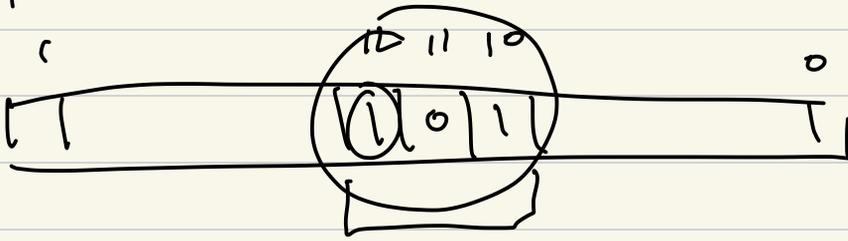
XOR 1001



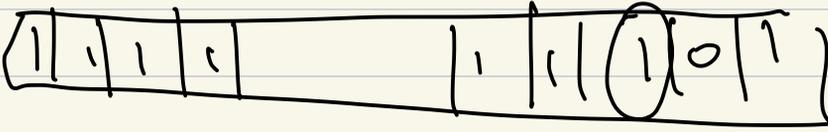
mask
0

0 0 0 0 1 1 1 1 1 1 1 1

Num



63



sr |
sra

