University of Illinois at Urbana-Champaign
Dept. of Electrical and Computer Engineering

ECE 220: Computer Systems & Programming

Testing the Nonogram Code

Let's Talk About Testing the Nonogram Code

What about MP4, the nonogram solver?

Corner cases? (such as 1 0 0 0 1)

Zero and non-zero region combinations?

Regions that are
◦ all X's,
◦ part X's and part blanks, and
◦ all blanks?

Other cases?

What about paths through your code?

Example Nonogram Code Solution

Let's work through an example solution
◦ adapted from a real student's code
  (not a student at Illinois).
◦ The code earned 90% of the
  functionality points using my tester.

Let's
◦ start with code reading, then
◦ create tests to cover the code.

Nothing Surprising in the First Part

```
#include <stdio.h>

#include "mp4.h"

int32_t print_row
    (int32_t r1, int32_t r2,
     int32_t r3, int32_t r4,
     int32_t width)
{
```
Were you expecting to see comments?

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