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

ECE 220: Computer Systems &
Programming

Arrays

Arrays are Groups of Values Named Using an Index

In MP4,

• you have to handle four regions

• with sizes given as r1, r2, r3, and r4.

In some larger nonograms, a row or column may have 20 regions.

So for MP6 ...

... let's talk about arrays!

(Instead of r1, r2, ..., r20.)

Arrays are Contiguous in Memory; Indices Use Brackets

In C, one declares an array of 20 ints as

int region[20];

region[0]

region[1]

The compiler allocates memory
oto hold 20 ints
called region[0]
through region[19],
as illustrated to the right.

region[18]
region[19]

