# Trial Assignment

- Purpose:
  - Prepare a skeleton program to deal with I/O correctly
  - Warm-up exercise to refresh coding
- 0/1 grade, you need to pass (get 1) (required for <u>continuing</u> the course)
- Due: Sunday, Aug 27<sup>th</sup>, 11:59pm

# Trial Assignment

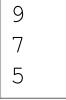
- Write a program that prints the <u>maximum of two selected numbers</u> from a line
  - First line of input contains the number of lines to follow
  - First number of each following line contains the number of integers (n>=4 and n<=1000,) that follow in the line
  - Those n integers (each integer >=0; <=1000) follow till the end of the line (separated by space). They can be stored (except the last two) in an array using index numbers 1...n-2 (but not necessary)
  - The last two integers x, y (x,y>=1 & x,y<=n-2) in the line is the index (starting from 1) of the integers from the line to add

**Example:** (colors/rectangle are just for visualization):

#### Input:

```
3
5 8 2 9 1 3
6 12 7 6 5 4 2
9 9 2 3 12 15 1 5 7 3
```

#### Output:



- You can assume input will always be correct
- No error handling needed
- Output will be printed after all input received

## Input/output in Java

- Use Standard I/O to read input and write the result
- For Java, input: System.in, output: System.out
- To read numbers:
  - Use <u>a single Scanner object</u>
    Scanner sc = new Scanner (System.in);
  - Use nextInt() over and over to read integers number = sc.nextInt();
  - To print numbers:

    System.out.println(x);

### "Do Not"s

- Do not read from a disk file/write to disk file
- Do not write anything to screen except the result
  - Ex: Human centric messages ("the result is", "please enter..")
  - Automated grading via script will be used for checking correctness of your output

# Trial Assignment

- Due: Sunday, Aug 27<sup>th</sup>, 11:59pm
- Submission through Canvas
  - Just submit the <u>single</u> Java source code file <u>CMSC401\_A0.java</u> (all upper case letters!)
    - No need to zip. Don't worry about "-1", "-2" added to your file by Canvas for new versions.
    - The file should have your name in a comment in the first line
    - Remember: in Java, <u>class name should match the file name</u>, and is case sensitive
- Please do NOT create your own packages
- Do NOT place the file into a folder just submit the java file.
- Use standard I/O to read input (System.in, System.out) and output
- Make sure the <u>program compiles and WORKS!</u>