**HW [9], [3/14/2019] MCS 253P**

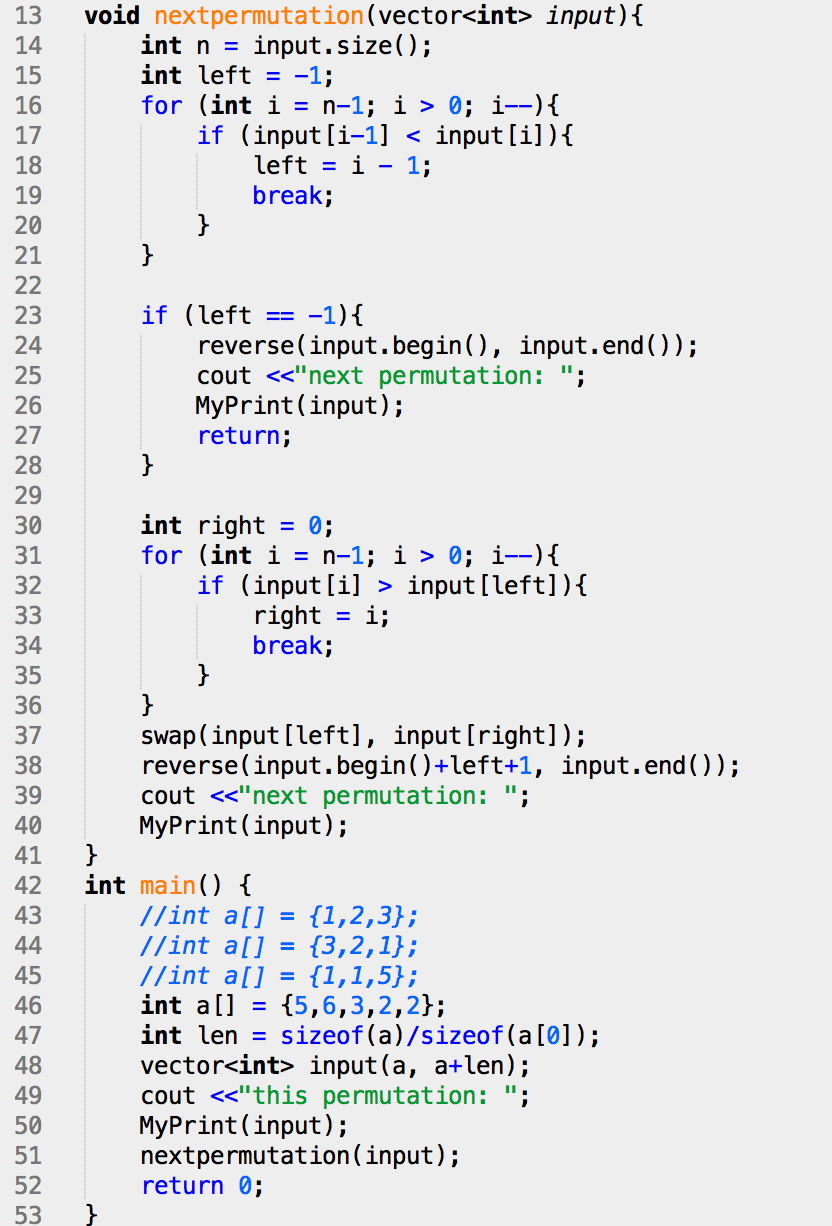
**Name: Yu Qin**

**Results Screenshots**

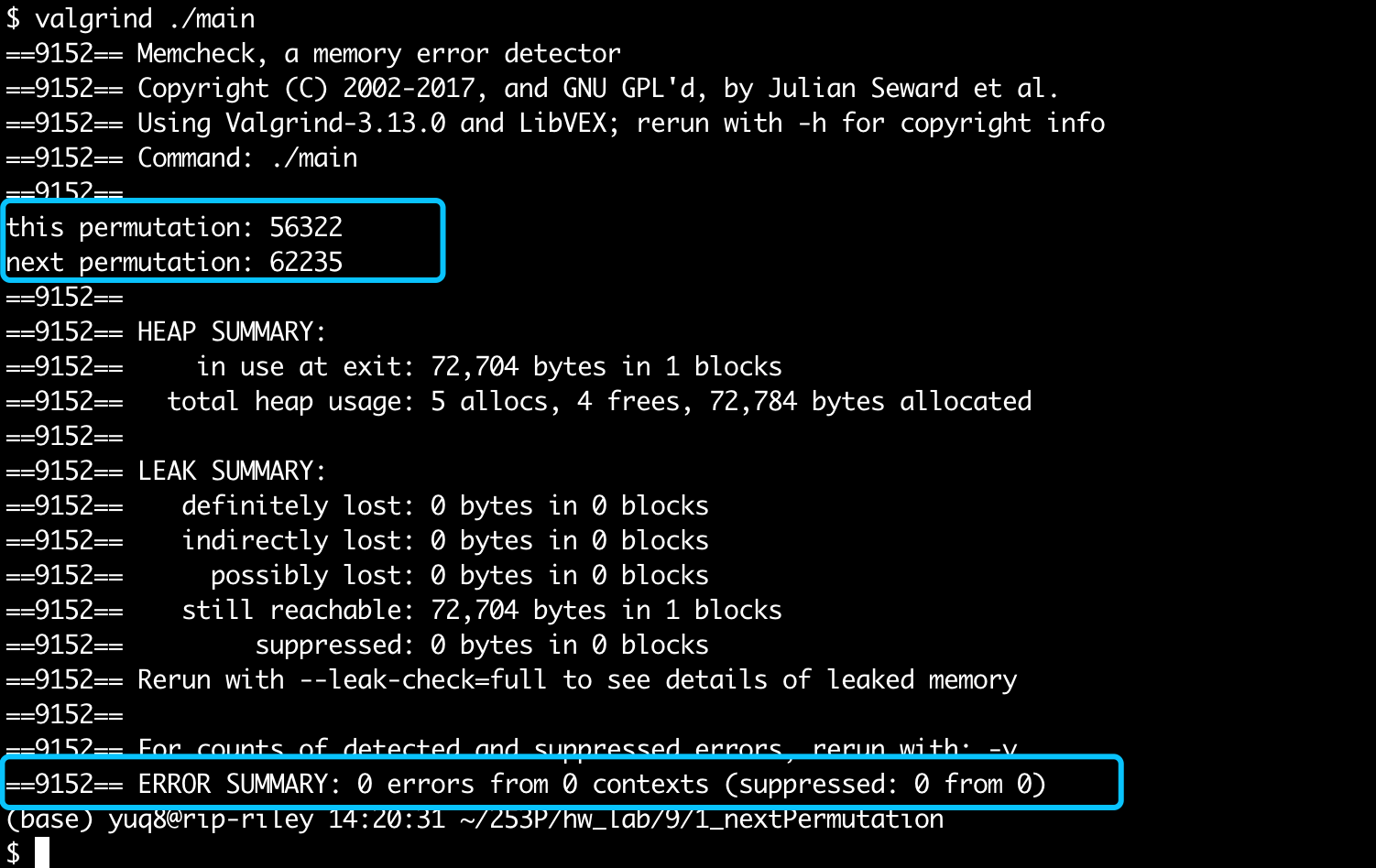
===========================start of the write-up====================

# **Lab 1: Next permutation**

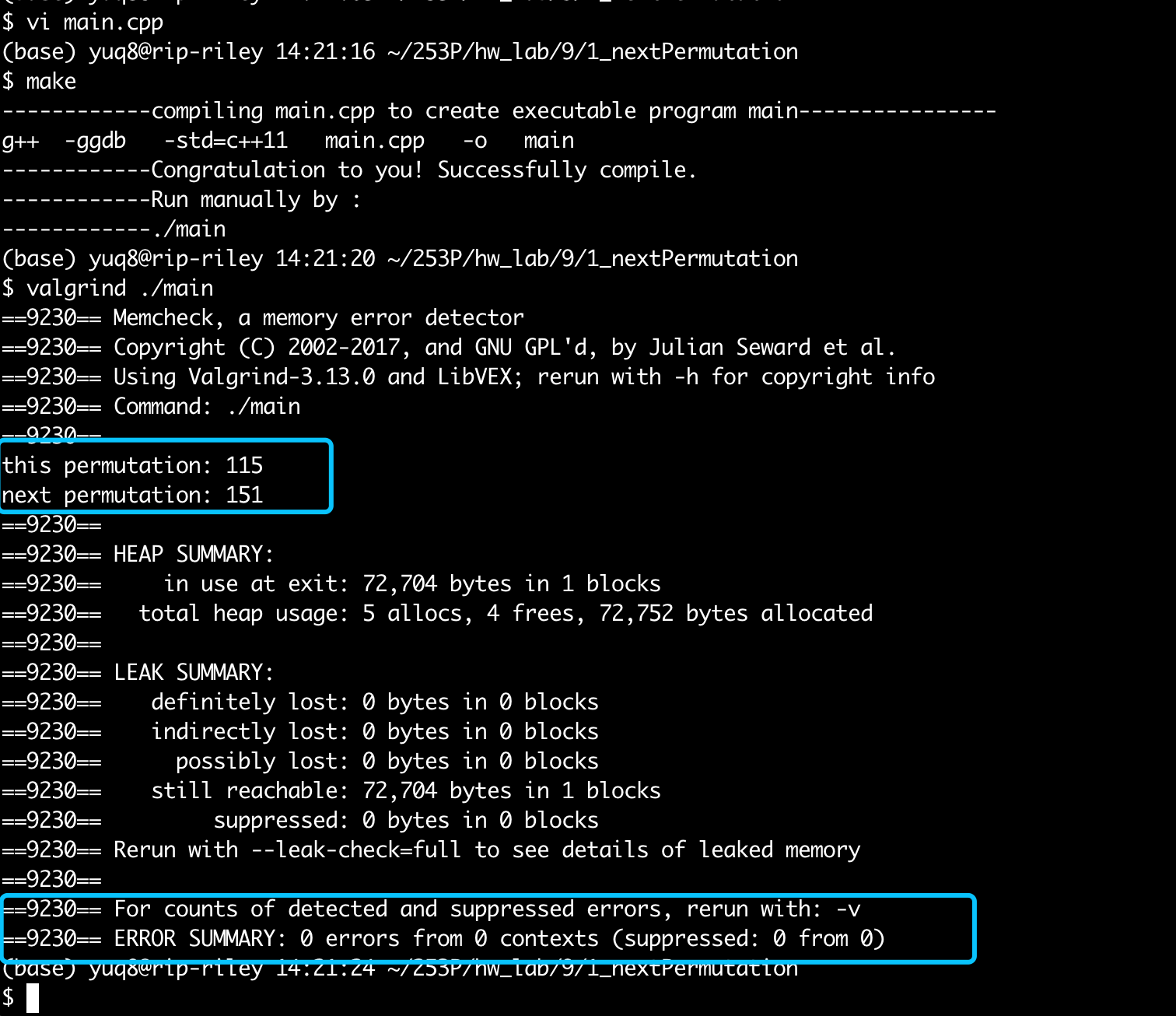
Code:



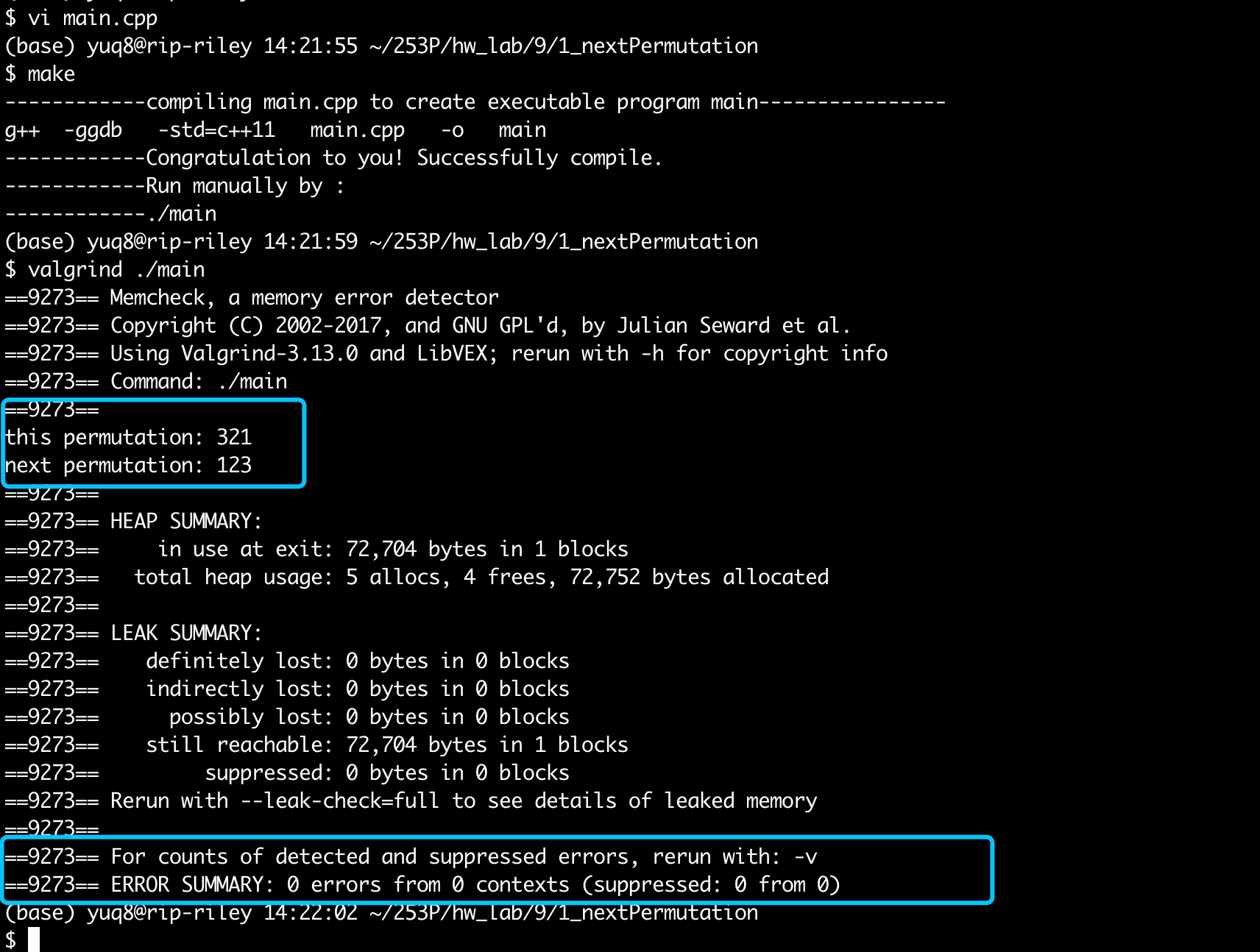
test case 1, 2 , 3, 4:



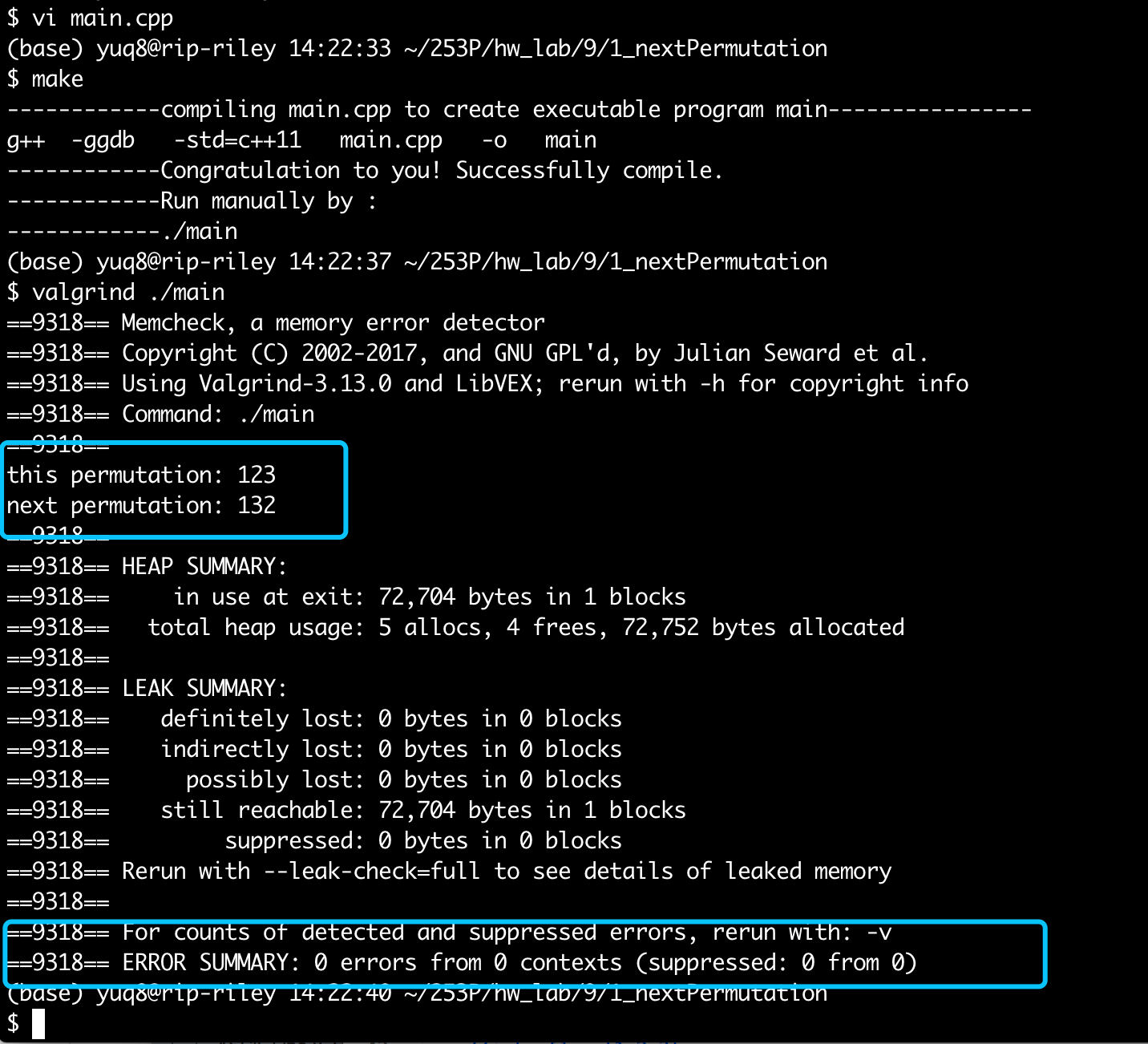
2:



3:



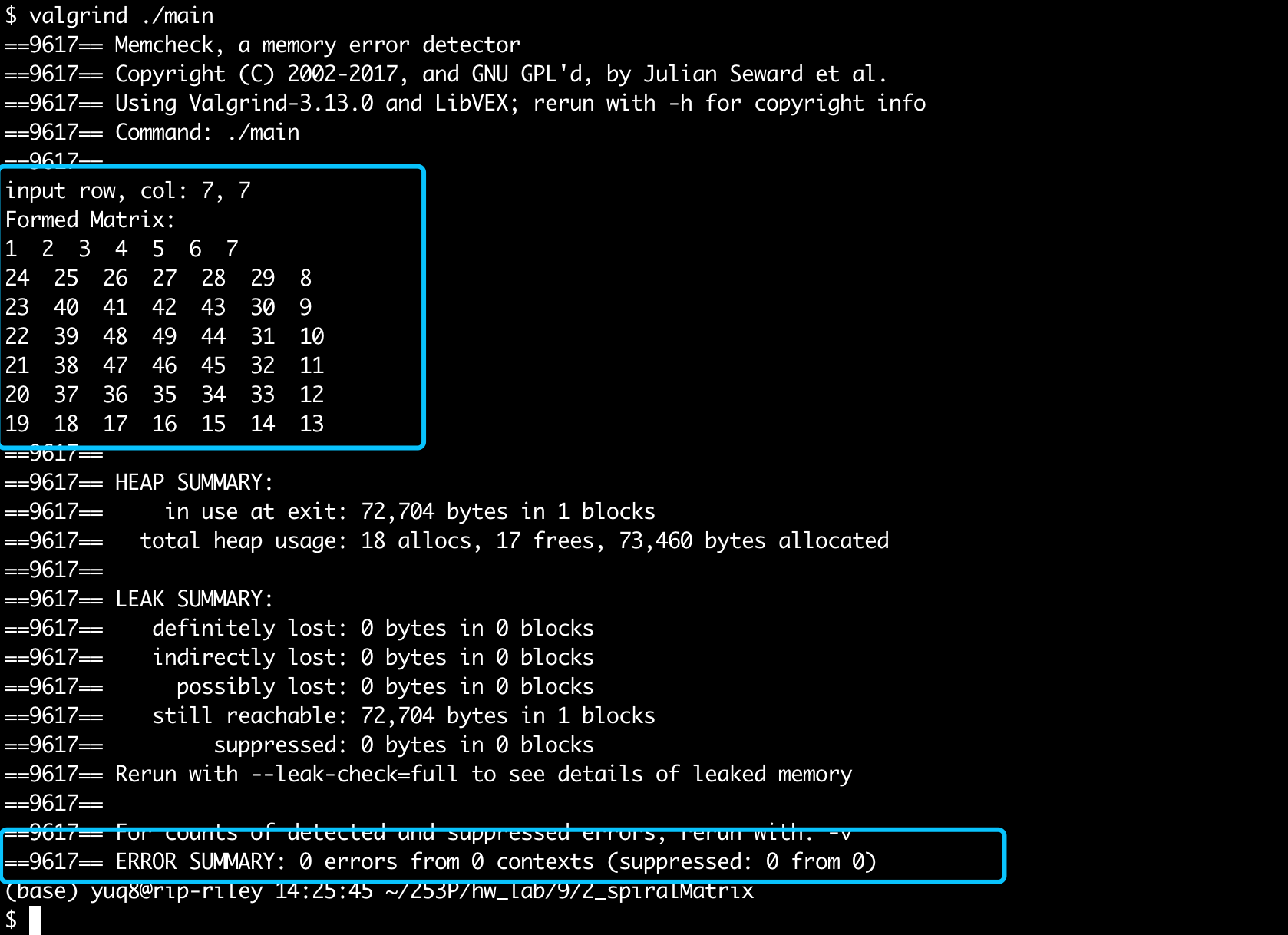
4:

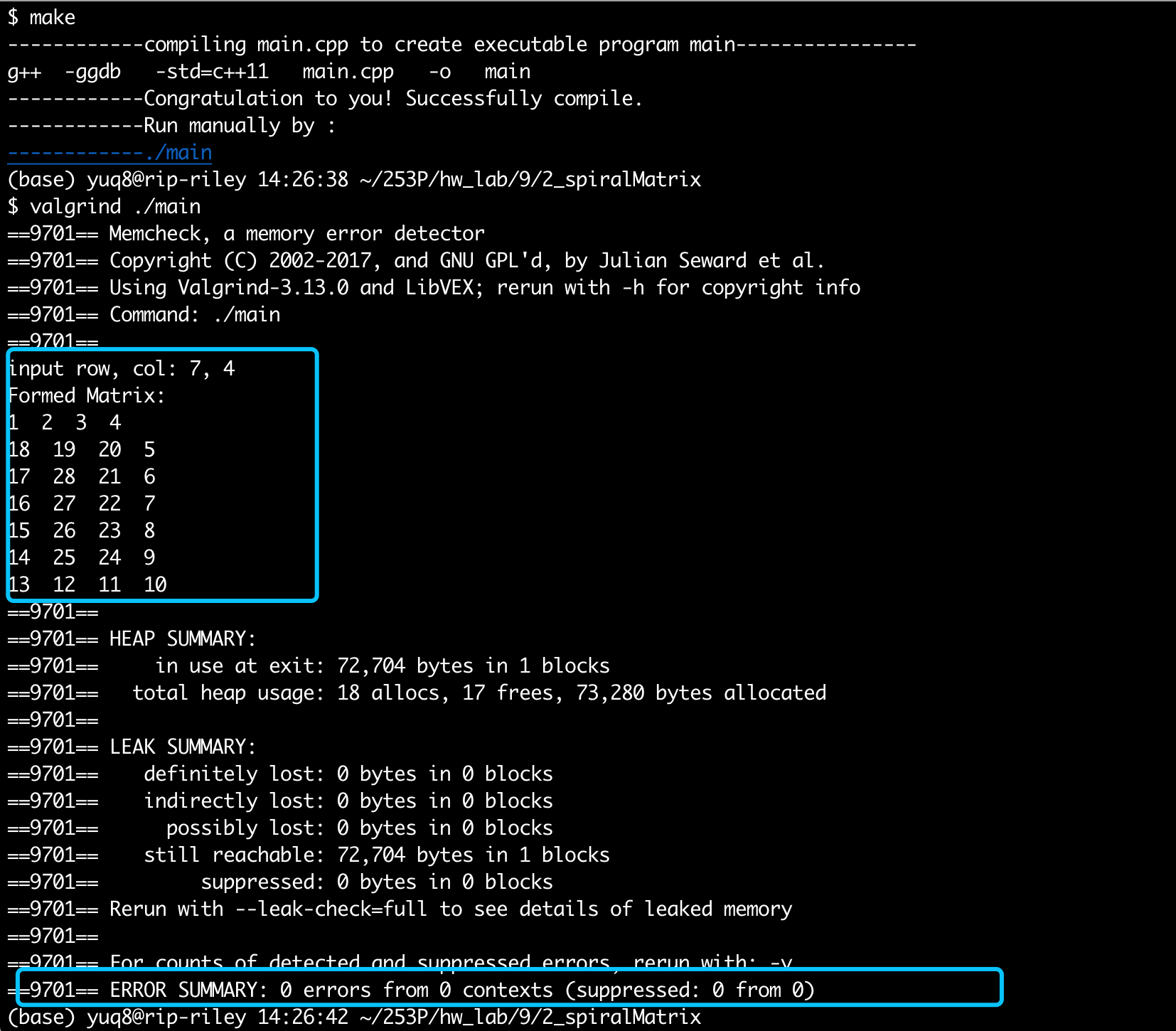


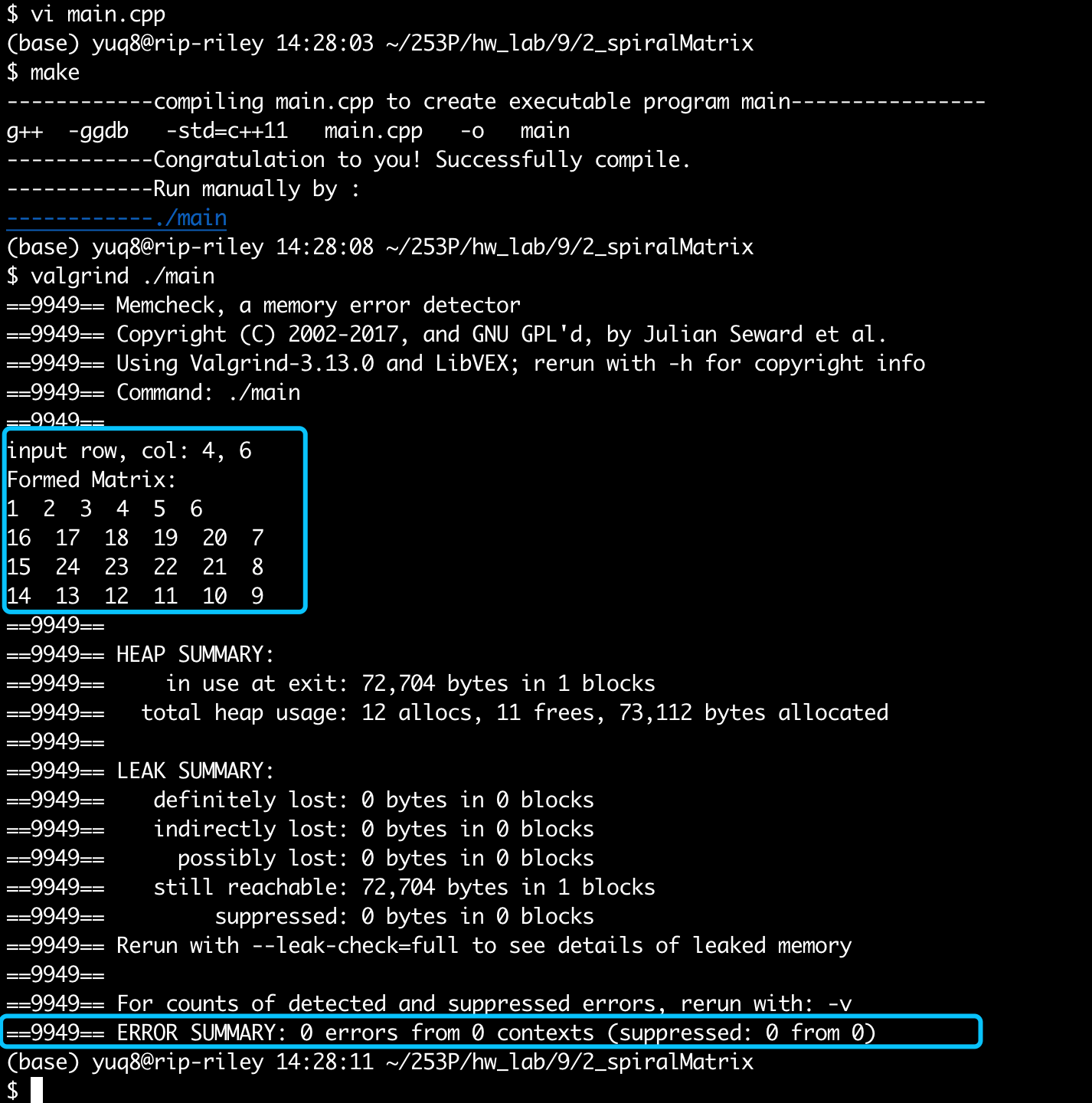
Conclusion: right result, 0 error in memory leak.

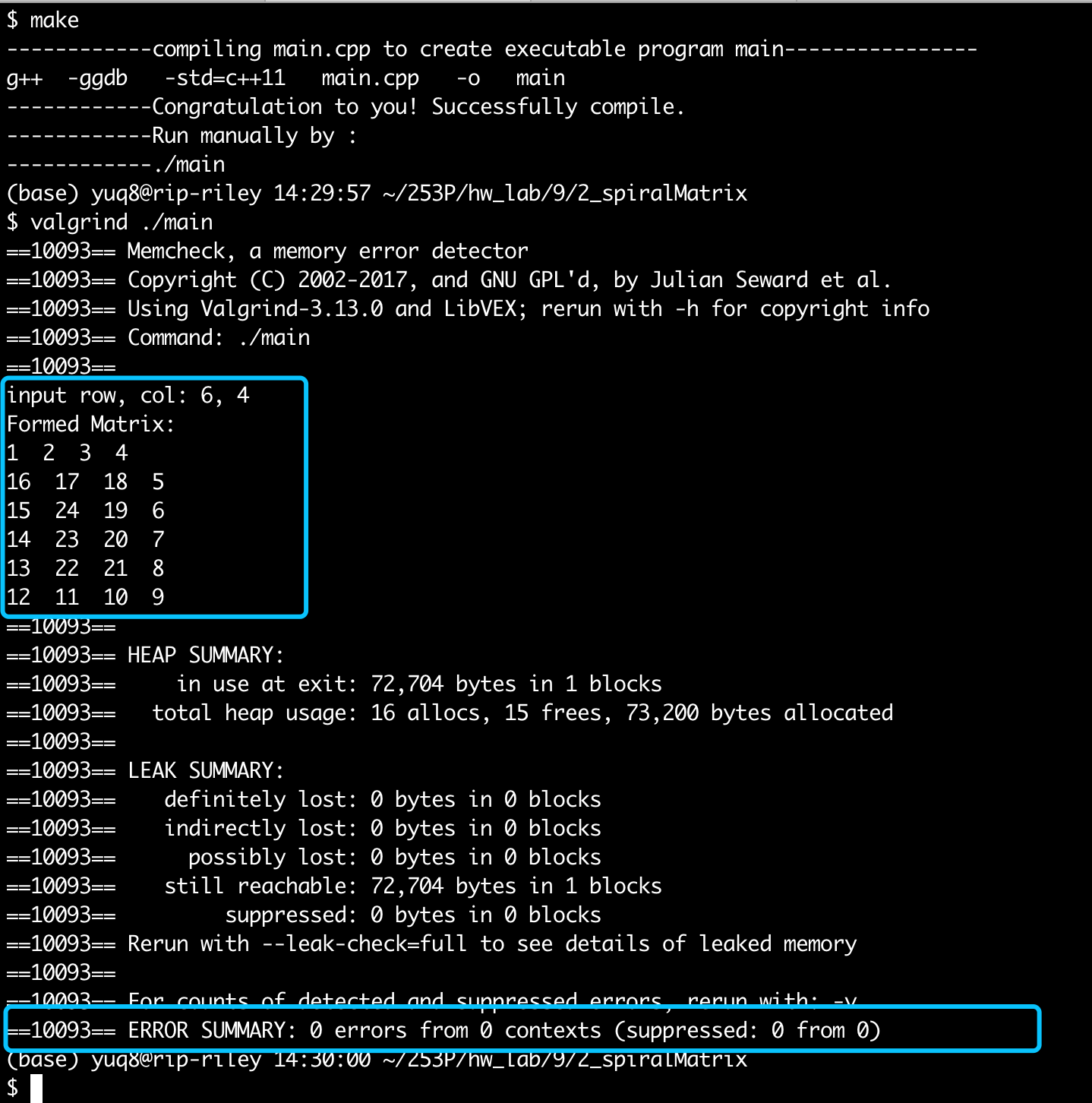
# Lab 2: spiral Matrix

Test cases 1, 2, 3, 4 :









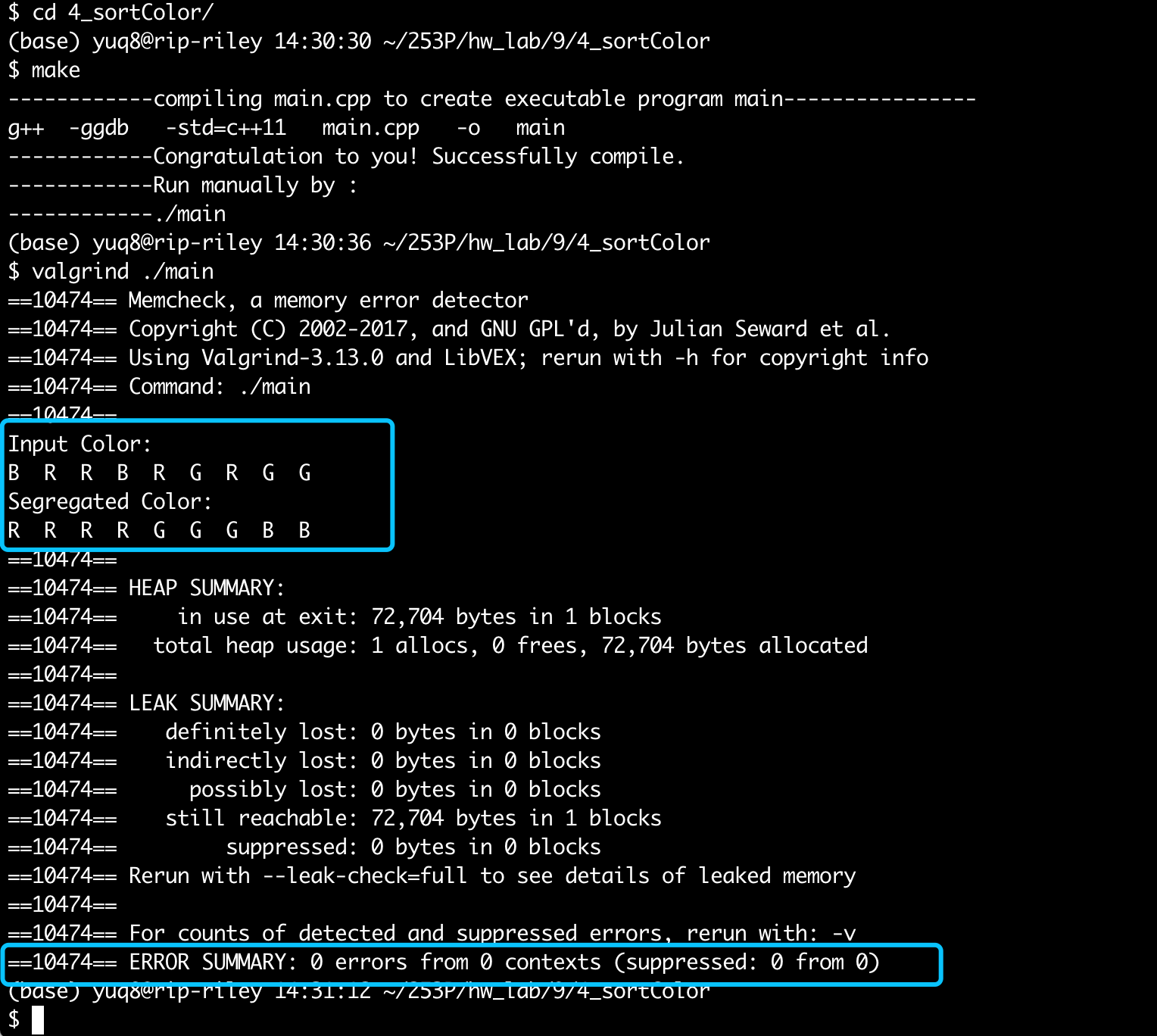
Conclusion: right result, 0 error in memory leak.

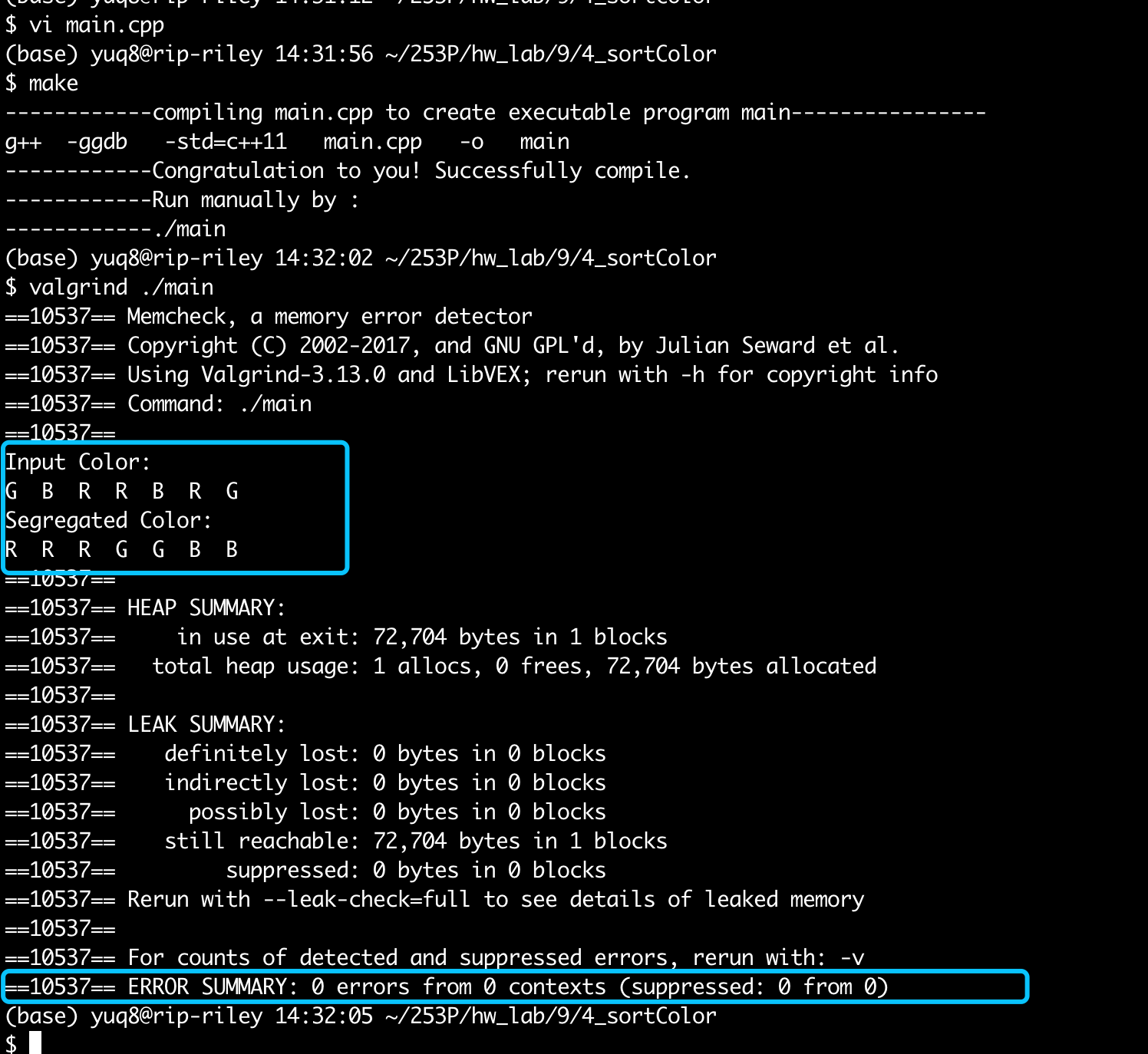
Little Notes:

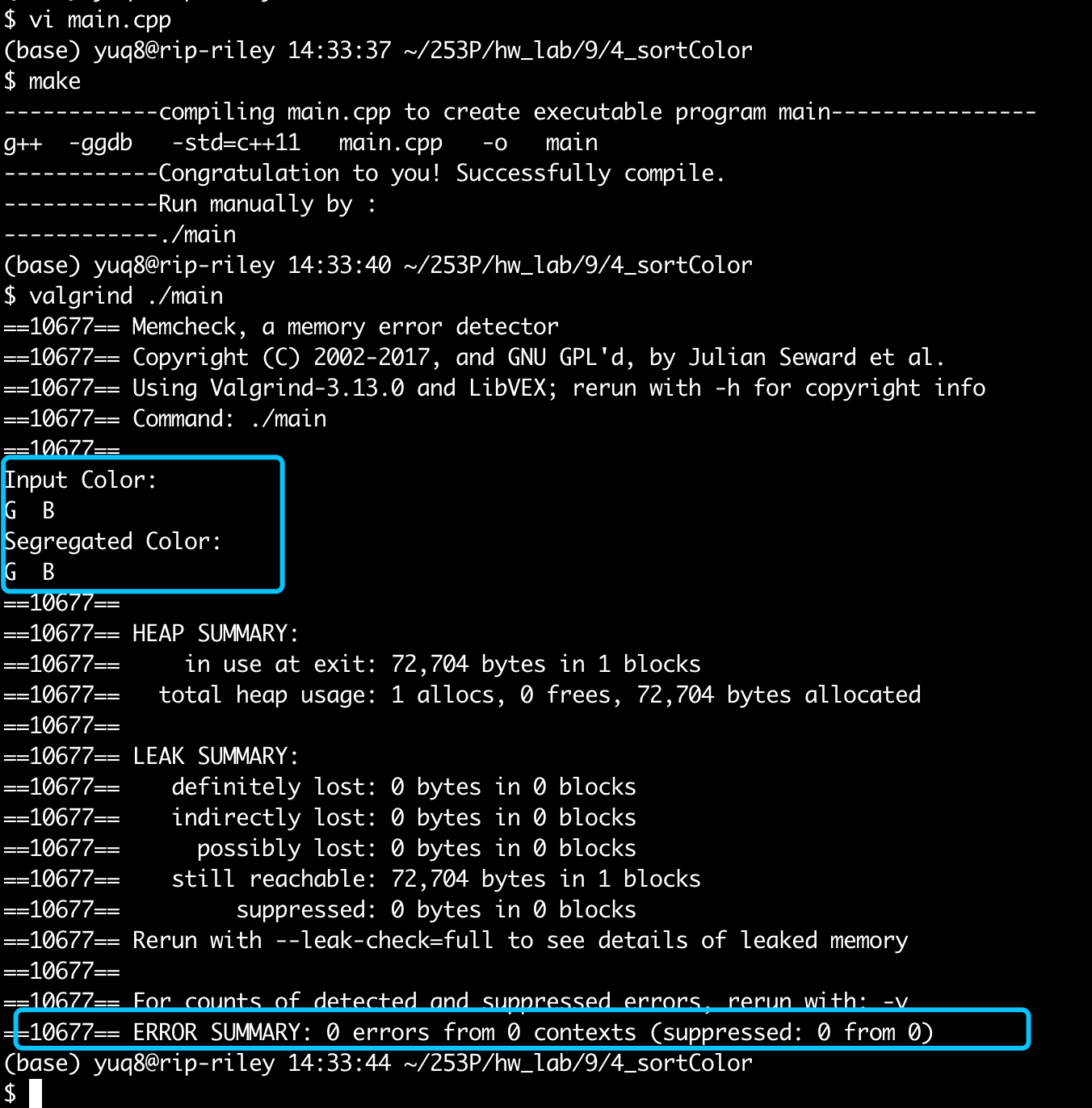
1. At this lab, when encountered with different length in width and heighth, there are a little bit difference in tackling.

# Lab4: sort Color

**test cases 1,2, 3:**

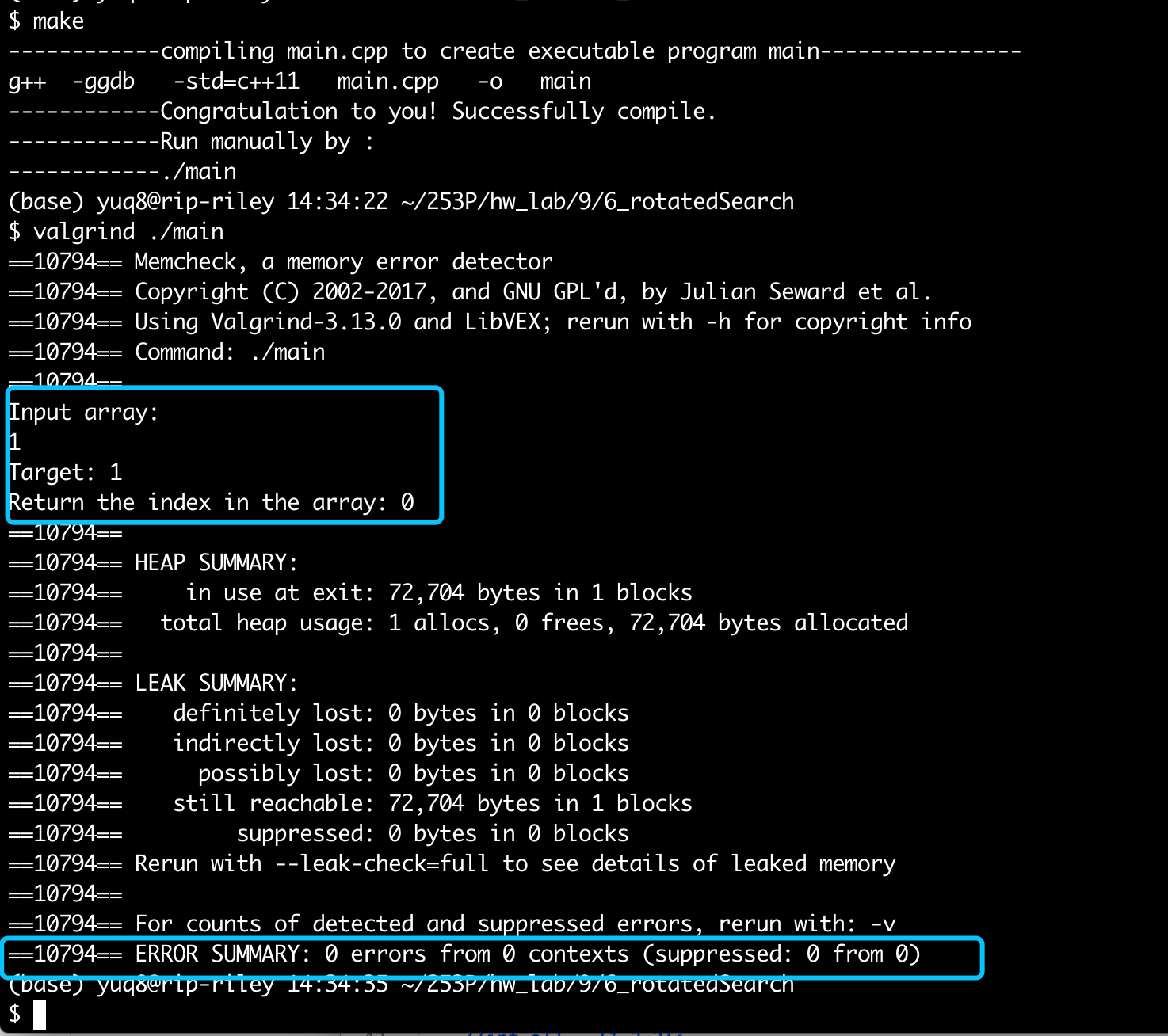
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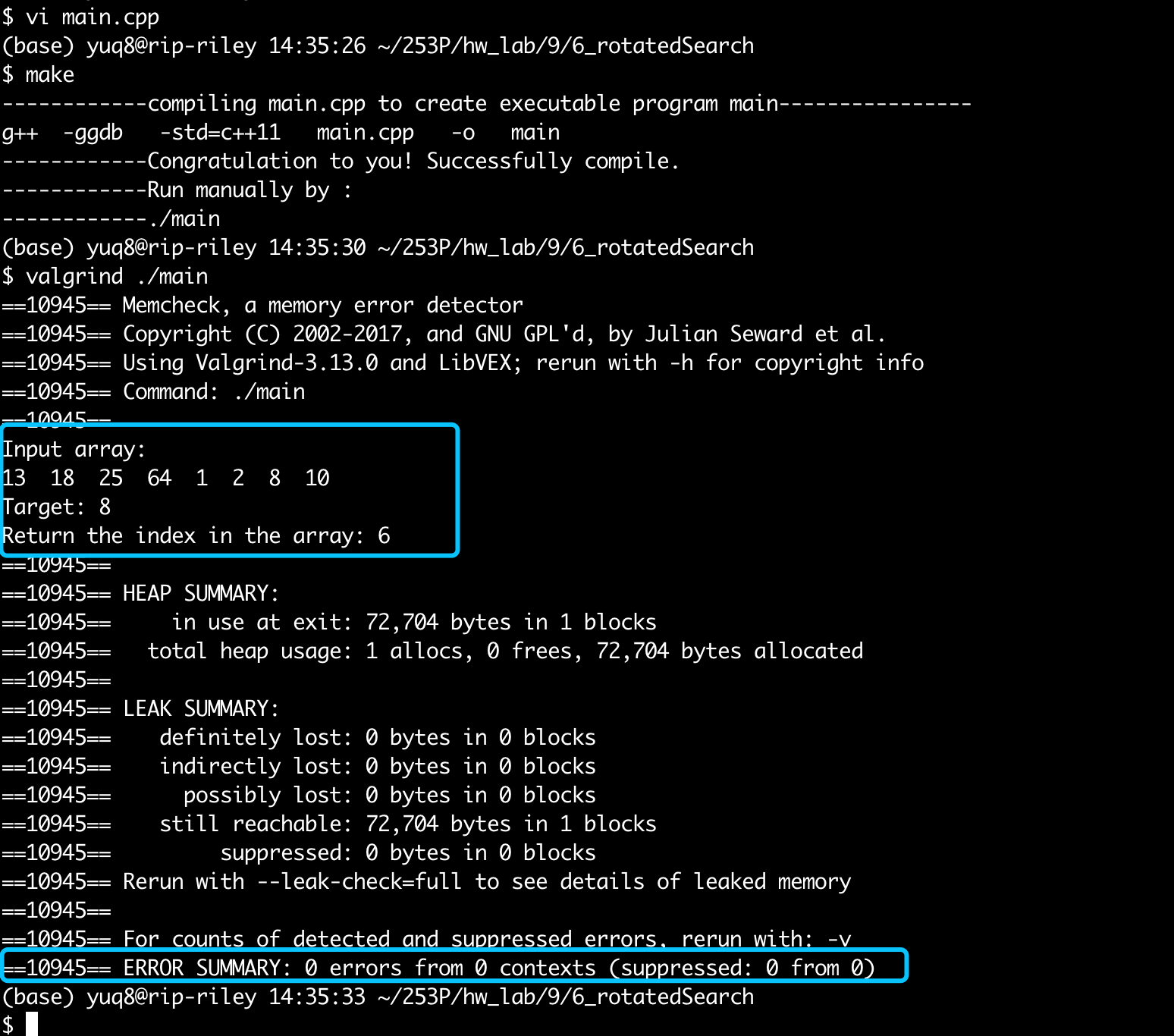
****

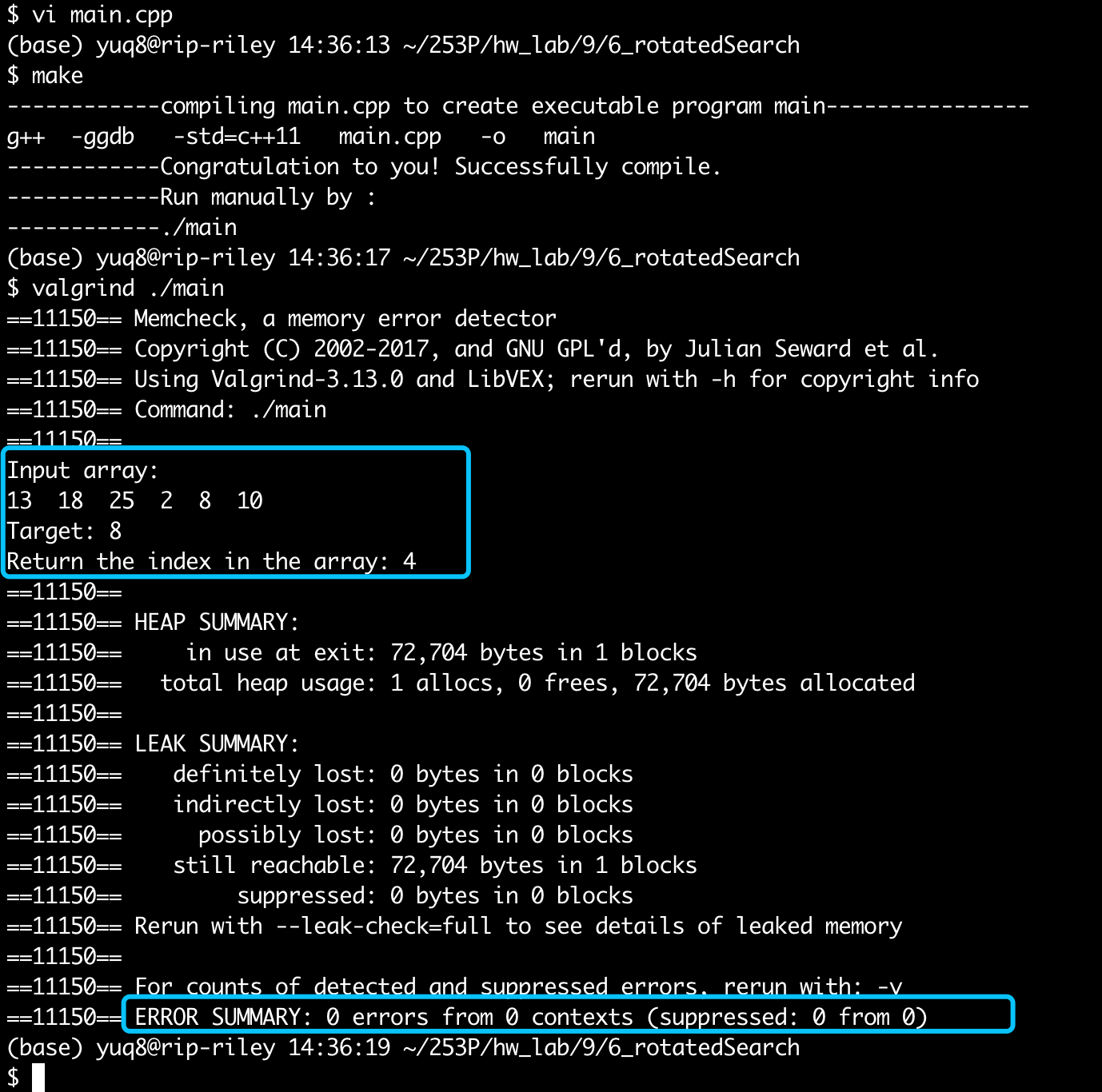
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# Lab 6: rotatedSearch

**test cases 1,2, 3:**

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