**Report**

**Fist project--quad tree**

XJCO1921 Programming Project

KUANG TING

Leeds username:sc17tk

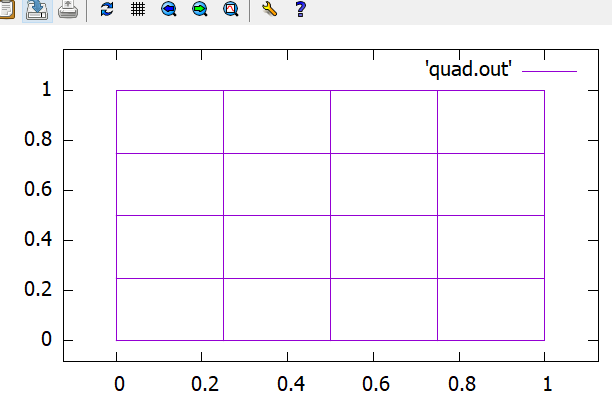
Leeds ID number:201199532

**Task 1**

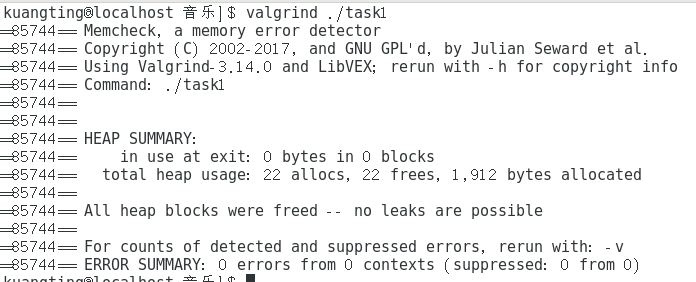
**Algorithm:**

**Testing:**

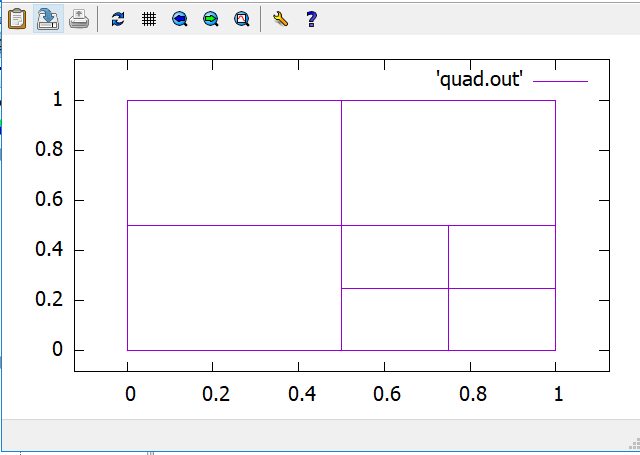
1. **a full tree at Level 2**

****

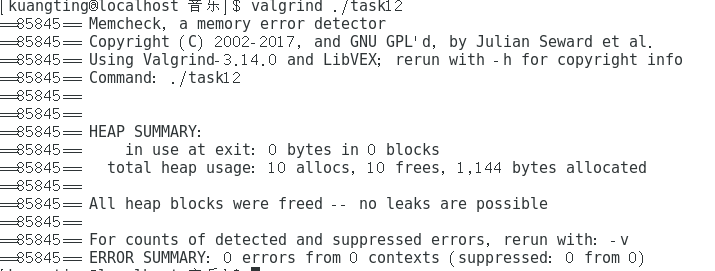
**Destroy it--- valgrind**

****

1. **a non-uniform tree**

****

**Destroy it**

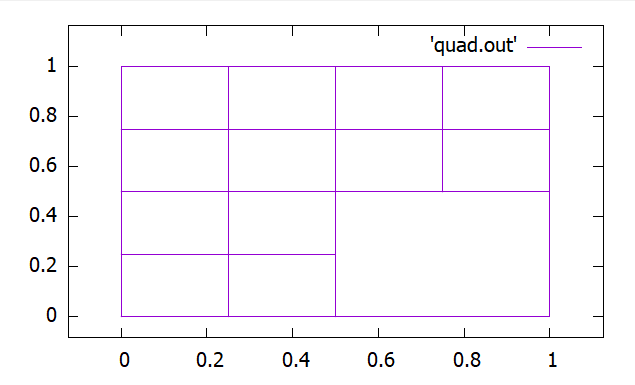
****

**Task 2**

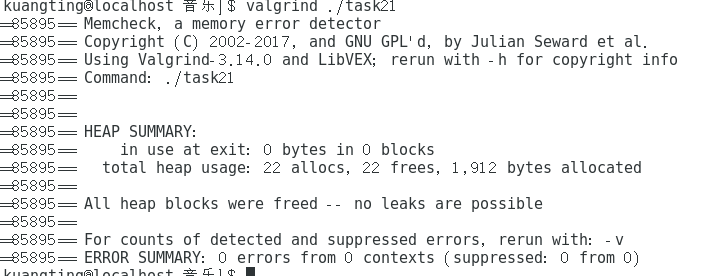
**Algorithm:**

**Testing :**

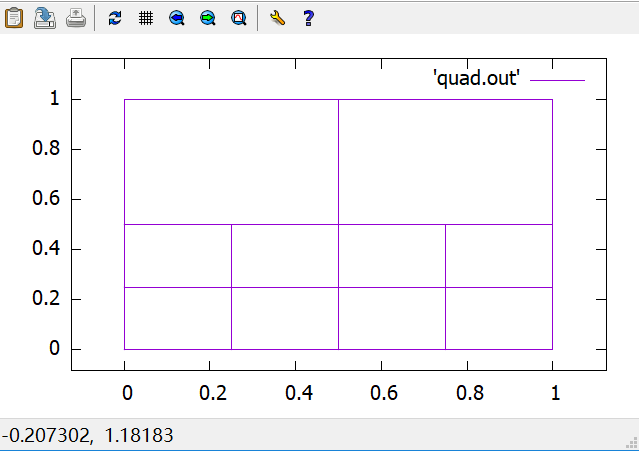
**Remove child[1] in level 2 from a full tree at Level 2.**

****

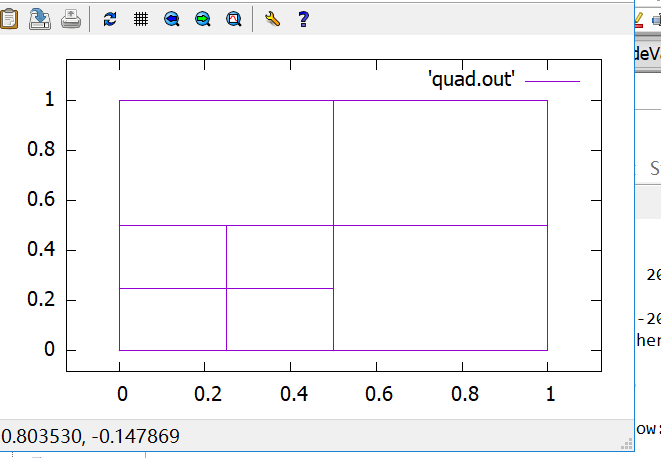
**----valgrind**

****

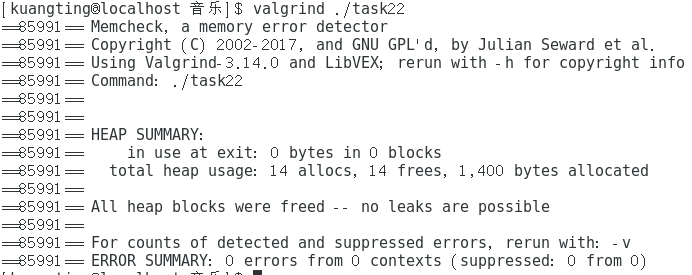
**a non-uniform tree**



**Remove child [1] in level 2 from a non-uniform tree**



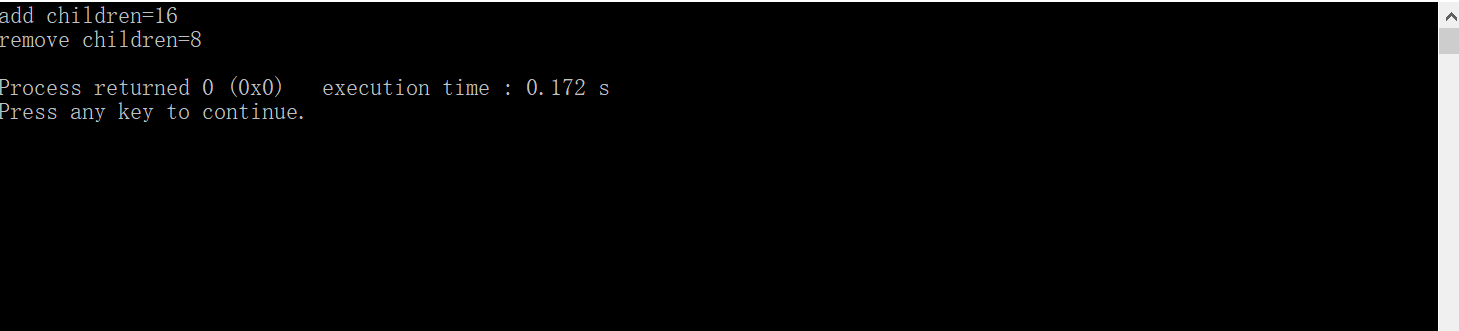
**-----valgrind**

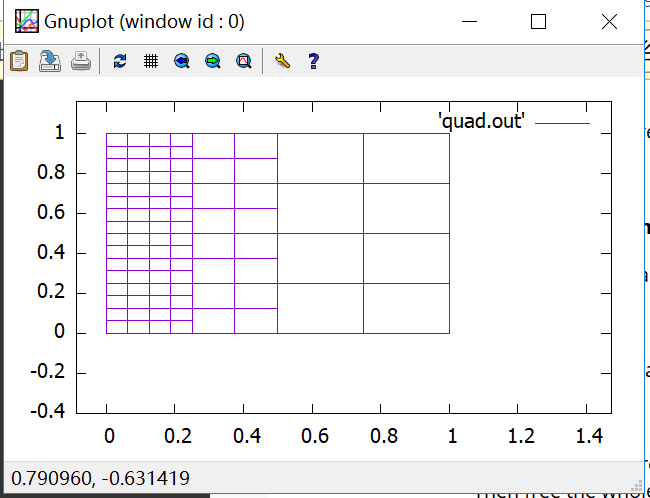
****

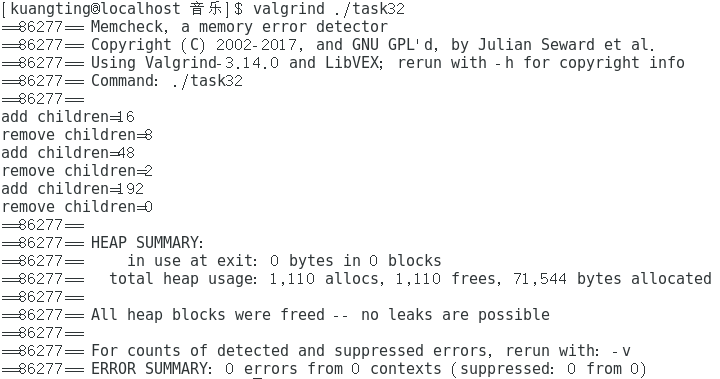
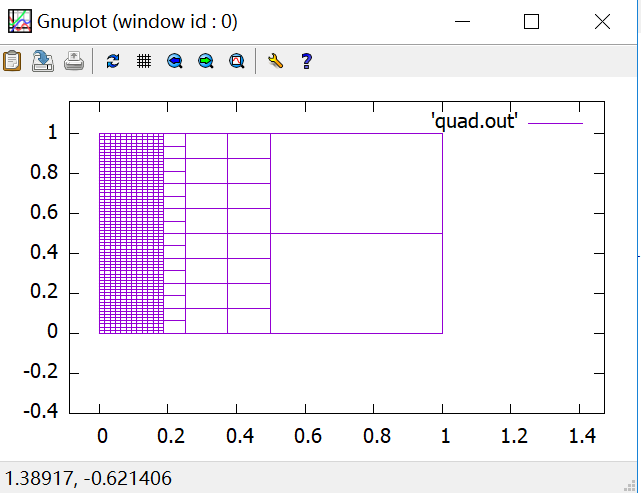
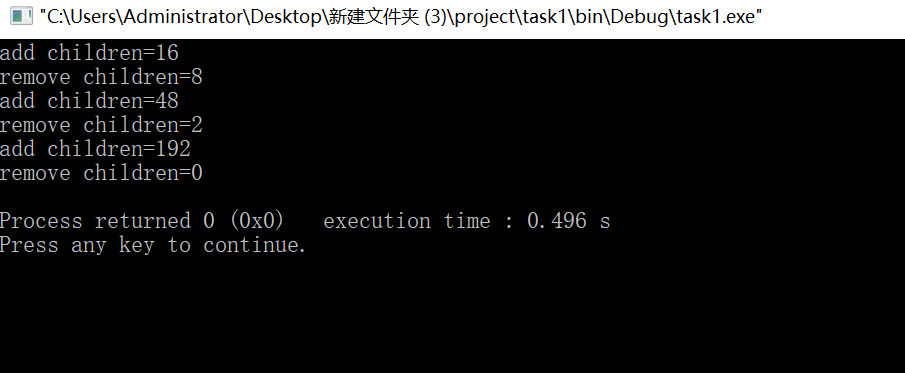
**Task 3**

**Algorithm:**

**Testing:**

****

****

****