Project 4A worksheet

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Error types:
array bounds read
array bounds write
free memory read
free memory write
freeing unallocated memory
freeing non-heap memory
NULL pointer read
NULL pointer write
uninitialized memory read

Note 1: the errors can be listed in any order.
Note 2: if you modify the programs, make sure to use the line numbers from the unmodified version of the program

== p1.c ==

Memory error #1
Type of error: free memory read
Location of error: line 33
Location of cause of error: line 30

Memory error #2
Type of error: array bounds read
Location of error: line 20
Location of cause of error: line 13

== p2.c ==

Memory error #1
Type of error: Array bounds read
Location of error: line 13
Location of cause of error: line 13

Memory error #2
Type of error: freeing unallocated memory
Location of error: line 21
Location of cause of error: line 20

Memory error #3

Type of error: freeing non-heap memory
Location of error: line 28
Location of cause of error: line 28

Memory error #4
Type of error: null pointer write
Location of error: line 32
Location of cause of error: line 30

Memory error #5
Type of error: free memory read
Location of error: line 36
Location of cause of error: line 2

Memory error #6
Type of error: null pointer read
Location of error: line 32
Location of cause of error: line 32

== p3.c ==

Memory error #1
Type of error: freeing unallocated memory
Location of error: line 62
Location of cause of error: line 62

Memory error #2
Type of error: array bounds read
Location of error: Line 27
Location of cause of error: Line 27

Memory error #3
Type of error: uninitialized memory read
Location of error: line 35
Location of cause of error: line 24