

#### Errors:

Line 49: invalid read of size 4

In line 49 we called the function `addAll` in which the size of array at source (`a2`, size 5) is smaller than target (`a1`, size 10). Therefore the function tries to read from places right after where array `a2` is allocated, which is an undefined behavior.

Line 50: conditional jump or move depends on uninitialized value

In line 50 we called the function `findMax` with parameters `a3` which is an array full of uninitialized values. Then at line 19 inside of the function we tried to compare initialized values inside of the array which results in the error.

Line 54: invalid delete

at this line we tried to delete contents in `a4` which points to `a2` which then points to an array. However, we already called `delete[] a2` at the line before, which deallocated the contents where `a4` is pointing at. This line tries to deallocate an already deallocated array which results in undefined behavior.

#### Memory leaks:

Array of size 40 where `a1` is pointing at is leaked. We allocated it at line 44 by calling the function `allocateAndFill` but never deleted it.

Array of size 40 where `a3` is pointing at is leaked. We allocated it at line 46 but never deleted it.