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THE BLOCKS IN MEMORY

> Start: 0 | START_PTR: 98180928 | SIZE: 128 | Value: 70 | DIFF: 58 | END: 128 | END_PTR: 98181056
> Start: 128 | START_PTR: 98181056 | SIZE: 128 | Value: 0 | DIFF: 0 | END: 256 | END_PTR: 98181184
> Start: 256 | START_PTR: 98181184 | SIZE: 256 | Value: 0 | DIFF: 0 | END: 512 | END_PTR: 98181440
> Start: 512 | START_PTR: 98181440 | SIZE: 512 | Value: 0 | DIFF: 0 | END: 1024 | END_PTR: 98181952
```

Press: [1] Allocate [2] Deallocate [3] Exit -> 3

Program terminated

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==20418==
==20418== HEAP SUMMARY:
==20418==   in use at exit: 280 bytes in 5 blocks
==20418==   total heap usage: 47 allocs, 42 frees, 1,167,410 bytes allocated
==20418==
==20418== 56 bytes in 1 blocks are definitely lost in loss record 1 of 3
==20418==    at 0x4C3217F: operator new(unsigned long) (in /usr/lib/valgrind/vgpreload_memcheck-amd64-linux.so)
==20418==    by 0x4E501DB: binary::Binary::Binary() (binary.cpp:37)
==20418==    by 0x108DA3: main (testapp.cpp:16)
==20418==
==20418== 56 bytes in 1 blocks are definitely lost in loss record 2 of 3
==20418==    at 0x4C3217F: operator new(unsigned long) (in /usr/lib/valgrind/vgpreload_memcheck-amd64-linux.so)
==20418==    by 0x4E506F2: binary::Binary::give_slots(unsigned long, unsigned long) (binary.cpp:79)
==20418==    by 0x4E50B5B: binary::Binary::allocate(unsigned long) (binary.cpp:114)
==20418==    by 0x108E9D: main (testapp.cpp:36)
==20418==
==20418== 168 bytes in 3 blocks are definitely lost in loss record 3 of 3
==20418==    at 0x4C3217F: operator new(unsigned long) (in /usr/lib/valgrind/vgpreload_memcheck-amd64-linux.so)
==20418==    by 0x4E5073C: binary::Binary::give_slots(unsigned long, unsigned long) (binary.cpp:82)
==20418==    by 0x4E50B5B: binary::Binary::allocate(unsigned long) (binary.cpp:114)
==20418==    by 0x108E9D: main (testapp.cpp:36)
==20418==
==20418== LEAK SUMMARY:
==20418==   definitely lost: 280 bytes in 5 blocks
==20418==   indirectly lost: 0 bytes in 0 blocks
==20418==   possibly lost: 0 bytes in 0 blocks
==20418==   still reachable: 0 bytes in 0 blocks
==20418==   suppressed: 0 bytes in 0 blocks
==20418==
==20418== For counts of detected and suppressed errors, rerun with: -v
==20418== ERROR SUMMARY: 3 errors from 3 contexts (suppressed: 0 from 0)
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