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ECE-2230

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**Test Log**

This a combination file of all test cases done in the test plan. You can CTRL+F to find specific ones. This contains unit test drivers 0 through 6 along with the best, first, and worst policy.

Terminal Command :

Seed: 19283

Best-fit search policy starting at head using coalescing

----- Begin unit driver 0 -----

string length=15

:hello world 15c:

Free list after first allocation

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 2

Min: 4048

Max: 4048

Average: 2032

Total bytes in free list: 4064

Number of sbrk calls: 1

Number of requested pages: 1

Heap status: heap is in-use -- leaks are possible

p=0x6050c0, size=0, end=0x6050c0, next=0x1d80020 <-- dummy

p=0x1d80020, size=253, end=0x1d80ff0, next=0x6050c0

Free list after first free

unit driver 0 has returned all memory to free list

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 3

Min: 16

Max: 4048

Average: 1365

Total bytes in free list: 4096

Number of sbrk calls: 1

Number of requested pages: 1

Heap status: all memory is in the heap -- no leaks are possible

p=0x6050c0, size=0, end=0x6050c0, next=0x1d80000 <-- dummy

p=0x1d80000, size=1, end=0x1d80010, next=0x1d80020

p=0x1d80020, size=253, end=0x1d80ff0, next=0x6050c0

----- End unit driver 0 -----

Seed: 19283

First-fit search policy starting at head using coalescing

----- Begin unit driver 0 -----

string length=15

:hello world 15c:

Free list after first allocation

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 2

Min: 4048

Max: 4048

Average: 2032

Total bytes in free list: 4064

Number of sbrk calls: 1

Number of requested pages: 1

Heap status: heap is in-use -- leaks are possible

p=0x6050c0, size=0, end=0x6050c0, next=0x1c30020 <-- dummy

p=0x1c30020, size=253, end=0x1c30ff0, next=0x6050c0

Free list after first free

unit driver 0 has returned all memory to free list

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 3

Min: 16

Max: 4048

Average: 1365

Total bytes in free list: 4096

Number of sbrk calls: 1

Number of requested pages: 1

Heap status: all memory is in the heap -- no leaks are possible

p=0x6050c0, size=0, end=0x6050c0, next=0x1c30000 <-- dummy

p=0x1c30000, size=1, end=0x1c30010, next=0x1c30020

p=0x1c30020, size=253, end=0x1c30ff0, next=0x6050c0

----- End unit driver 0 -----

Seed: 19283

Worst-fit search policy starting at head using coalescing

----- Begin unit driver 0 -----

string length=15

:hello world 15c:

Free list after first allocation

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 2

Min: 4048

Max: 4048

Average: 2032

Total bytes in free list: 4064

Number of sbrk calls: 1

Number of requested pages: 1

Heap status: heap is in-use -- leaks are possible

p=0x6050c0, size=0, end=0x6050c0, next=0x9b7020 <-- dummy

p=0x9b7020, size=253, end=0x9b7ff0, next=0x6050c0

Free list after first free

unit driver 0 has returned all memory to free list

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 3

Min: 16

Max: 4048

Average: 1365

Total bytes in free list: 4096

Number of sbrk calls: 1

Number of requested pages: 1

Heap status: all memory is in the heap -- no leaks are possible

p=0x6050c0, size=0, end=0x6050c0, next=0x9b7000 <-- dummy

p=0x9b7000, size=1, end=0x9b7010, next=0x9b7020

p=0x9b7020, size=253, end=0x9b7ff0, next=0x6050c0

----- End unit driver 0 -----

Seed: 19283

Best-fit search policy starting at head using coalescing

----- Begin unit driver 1 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 496 bytes (31 units) p=0x712010

p=0x6050c0, size=0, end=0x6050c0, next=0x712200 <-- dummy

p=0x712200, size=223, end=0x712ff0, next=0x6050c0

second: 2032 bytes (127 units) p=0x713010

p=0x6050c0, size=0, end=0x6050c0, next=0x713800 <-- dummy

p=0x713800, size=127, end=0x713ff0, next=0x712200

p=0x712200, size=223, end=0x712ff0, next=0x6050c0

third: 1520 bytes (95 units) p=0x714010

p=0x6050c0, size=0, end=0x6050c0, next=0x714600 <-- dummy

p=0x714600, size=159, end=0x714ff0, next=0x713800

p=0x713800, size=127, end=0x713ff0, next=0x712200

p=0x712200, size=223, end=0x712ff0, next=0x6050c0

unit driver 1: above Mem\_print shows empty free list

fourth: 1008 bytes (63 units) p=0x715010

p=0x6050c0, size=0, end=0x6050c0, next=0x715400 <-- dummy

p=0x715400, size=191, end=0x715ff0, next=0x714600

p=0x714600, size=159, end=0x714ff0, next=0x713800

p=0x713800, size=127, end=0x713ff0, next=0x712200

p=0x712200, size=223, end=0x712ff0, next=0x6050c0

first free of 1/8 a page p=0x712010

p=0x714600, size=159, end=0x714ff0, next=0x713800

p=0x713800, size=127, end=0x713ff0, next=0x712200

p=0x712200, size=223, end=0x712ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x712000 <-- dummy

p=0x712000, size=31, end=0x7121f0, next=0x715400

p=0x715400, size=191, end=0x715ff0, next=0x714600

second free of 3/8 a page p=0x714010

p=0x714600, size=159, end=0x714ff0, next=0x713800

p=0x713800, size=127, end=0x713ff0, next=0x712200

p=0x712200, size=223, end=0x712ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x712000 <-- dummy

p=0x712000, size=31, end=0x7121f0, next=0x714000

p=0x714000, size=95, end=0x7145f0, next=0x715400

p=0x715400, size=191, end=0x715ff0, next=0x714600

third free of 1/2 a page p=0x713010

p=0x715400, size=191, end=0x715ff0, next=0x714600

p=0x714600, size=159, end=0x714ff0, next=0x713800

p=0x713800, size=127, end=0x713ff0, next=0x712200

p=0x712200, size=223, end=0x712ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x712000 <-- dummy

p=0x712000, size=31, end=0x7121f0, next=0x713000

p=0x713000, size=127, end=0x7137f0, next=0x714000

p=0x714000, size=95, end=0x7145f0, next=0x715400

fourth free of 1/4 a page p=0x715010

unit driver 1 has returned all memory to free list

p=0x714600, size=159, end=0x714ff0, next=0x713800

p=0x713800, size=127, end=0x713ff0, next=0x712200

p=0x712200, size=223, end=0x712ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x712000 <-- dummy

p=0x712000, size=31, end=0x7121f0, next=0x713000

p=0x713000, size=127, end=0x7137f0, next=0x714000

p=0x714000, size=95, end=0x7145f0, next=0x715000

p=0x715000, size=63, end=0x7153f0, next=0x715400

p=0x715400, size=191, end=0x715ff0, next=0x714600

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 9

Min: 496

Max: 3568

Average: 1820

Total bytes in free list: 16384

Number of sbrk calls: 4

Number of requested pages: 4

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 1 -----

Seed: 19283

First-fit search policy starting at head using coalescing

----- Begin unit driver 1 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 496 bytes (31 units) p=0xb1b010

p=0x6050c0, size=0, end=0x6050c0, next=0xb1b200 <-- dummy

p=0xb1b200, size=223, end=0xb1bff0, next=0x6050c0

second: 2032 bytes (127 units) p=0xb1c010

p=0x6050c0, size=0, end=0x6050c0, next=0xb1c800 <-- dummy

p=0xb1c800, size=127, end=0xb1cff0, next=0xb1b200

p=0xb1b200, size=223, end=0xb1bff0, next=0x6050c0

third: 1520 bytes (95 units) p=0xb1d010

p=0xb1b200, size=223, end=0xb1bff0, next=0xb1d600

p=0xb1d600, size=159, end=0xb1dff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xb1c800 <-- dummy

p=0xb1c800, size=127, end=0xb1cff0, next=0xb1b200

unit driver 1: above Mem\_print shows empty free list

fourth: 1008 bytes (63 units) p=0xb1e010

p=0xb1b200, size=223, end=0xb1bff0, next=0xb1e400

p=0xb1e400, size=191, end=0xb1eff0, next=0xb1d600

p=0xb1d600, size=159, end=0xb1dff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xb1c800 <-- dummy

p=0xb1c800, size=127, end=0xb1cff0, next=0xb1b200

first free of 1/8 a page p=0xb1b010

p=0xb1b200, size=223, end=0xb1bff0, next=0xb1e400

p=0xb1e400, size=191, end=0xb1eff0, next=0xb1d600

p=0xb1d600, size=159, end=0xb1dff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xb1b000 <-- dummy

p=0xb1b000, size=31, end=0xb1b1f0, next=0xb1c800

p=0xb1c800, size=127, end=0xb1cff0, next=0xb1b200

second free of 3/8 a page p=0xb1d010

p=0xb1d600, size=159, end=0xb1dff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xb1b000 <-- dummy

p=0xb1b000, size=31, end=0xb1b1f0, next=0xb1c800

p=0xb1c800, size=127, end=0xb1cff0, next=0xb1b200

p=0xb1b200, size=223, end=0xb1bff0, next=0xb1d000

p=0xb1d000, size=95, end=0xb1d5f0, next=0xb1e400

p=0xb1e400, size=191, end=0xb1eff0, next=0xb1d600

third free of 1/2 a page p=0xb1c010

p=0xb1b200, size=223, end=0xb1bff0, next=0xb1d000

p=0xb1d000, size=95, end=0xb1d5f0, next=0xb1e400

p=0xb1e400, size=191, end=0xb1eff0, next=0xb1d600

p=0xb1d600, size=159, end=0xb1dff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xb1b000 <-- dummy

p=0xb1b000, size=31, end=0xb1b1f0, next=0xb1c000

p=0xb1c000, size=127, end=0xb1c7f0, next=0xb1c800

p=0xb1c800, size=127, end=0xb1cff0, next=0xb1b200

fourth free of 1/4 a page p=0xb1e010

unit driver 1 has returned all memory to free list

p=0xb1d600, size=159, end=0xb1dff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xb1b000 <-- dummy

p=0xb1b000, size=31, end=0xb1b1f0, next=0xb1c000

p=0xb1c000, size=127, end=0xb1c7f0, next=0xb1c800

p=0xb1c800, size=127, end=0xb1cff0, next=0xb1b200

p=0xb1b200, size=223, end=0xb1bff0, next=0xb1d000

p=0xb1d000, size=95, end=0xb1d5f0, next=0xb1e000

p=0xb1e000, size=63, end=0xb1e3f0, next=0xb1e400

p=0xb1e400, size=191, end=0xb1eff0, next=0xb1d600

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 9

Min: 496

Max: 3568

Average: 1820

Total bytes in free list: 16384

Number of sbrk calls: 4

Number of requested pages: 4

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 1 -----

Seed: 19283

Worst-fit search policy starting at head using coalescing

----- Begin unit driver 1 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 496 bytes (31 units) p=0x251c010

p=0x6050c0, size=0, end=0x6050c0, next=0x251c200 <-- dummy

p=0x251c200, size=223, end=0x251cff0, next=0x6050c0

second: 2032 bytes (127 units) p=0x251d010

p=0x6050c0, size=0, end=0x6050c0, next=0x251d800 <-- dummy

p=0x251d800, size=127, end=0x251dff0, next=0x251c200

p=0x251c200, size=223, end=0x251cff0, next=0x6050c0

third: 1520 bytes (95 units) p=0x251e010

p=0x6050c0, size=0, end=0x6050c0, next=0x251e600 <-- dummy

p=0x251e600, size=159, end=0x251eff0, next=0x251d800

p=0x251d800, size=127, end=0x251dff0, next=0x251c200

p=0x251c200, size=223, end=0x251cff0, next=0x6050c0

unit driver 1: above Mem\_print shows empty free list

fourth: 1008 bytes (63 units) p=0x251f010

p=0x6050c0, size=0, end=0x6050c0, next=0x251f400 <-- dummy

p=0x251f400, size=191, end=0x251fff0, next=0x251e600

p=0x251e600, size=159, end=0x251eff0, next=0x251d800

p=0x251d800, size=127, end=0x251dff0, next=0x251c200

p=0x251c200, size=223, end=0x251cff0, next=0x6050c0

first free of 1/8 a page p=0x251c010

p=0x251e600, size=159, end=0x251eff0, next=0x251d800

p=0x251d800, size=127, end=0x251dff0, next=0x251c200

p=0x251c200, size=223, end=0x251cff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x251c000 <-- dummy

p=0x251c000, size=31, end=0x251c1f0, next=0x251f400

p=0x251f400, size=191, end=0x251fff0, next=0x251e600

second free of 3/8 a page p=0x251e010

p=0x251e600, size=159, end=0x251eff0, next=0x251d800

p=0x251d800, size=127, end=0x251dff0, next=0x251c200

p=0x251c200, size=223, end=0x251cff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x251c000 <-- dummy

p=0x251c000, size=31, end=0x251c1f0, next=0x251e000

p=0x251e000, size=95, end=0x251e5f0, next=0x251f400

p=0x251f400, size=191, end=0x251fff0, next=0x251e600

third free of 1/2 a page p=0x251d010

p=0x251f400, size=191, end=0x251fff0, next=0x251e600

p=0x251e600, size=159, end=0x251eff0, next=0x251d800

p=0x251d800, size=127, end=0x251dff0, next=0x251c200

p=0x251c200, size=223, end=0x251cff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x251c000 <-- dummy

p=0x251c000, size=31, end=0x251c1f0, next=0x251d000

p=0x251d000, size=127, end=0x251d7f0, next=0x251e000

p=0x251e000, size=95, end=0x251e5f0, next=0x251f400

fourth free of 1/4 a page p=0x251f010

unit driver 1 has returned all memory to free list

p=0x251e600, size=159, end=0x251eff0, next=0x251d800

p=0x251d800, size=127, end=0x251dff0, next=0x251c200

p=0x251c200, size=223, end=0x251cff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x251c000 <-- dummy

p=0x251c000, size=31, end=0x251c1f0, next=0x251d000

p=0x251d000, size=127, end=0x251d7f0, next=0x251e000

p=0x251e000, size=95, end=0x251e5f0, next=0x251f000

p=0x251f000, size=63, end=0x251f3f0, next=0x251f400

p=0x251f400, size=191, end=0x251fff0, next=0x251e600

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 9

Min: 496

Max: 3568

Average: 1820

Total bytes in free list: 16384

Number of sbrk calls: 4

Number of requested pages: 4

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 1 -----

Seed: 19283

Best-fit search policy starting at head using coalescing

----- Begin unit driver 2 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 496 bytes (31 units) p=0x10b6010

p=0x6050c0, size=0, end=0x6050c0, next=0x10b6200 <-- dummy

p=0x10b6200, size=223, end=0x10b6ff0, next=0x6050c0

second: 1520 bytes (95 units) p=0x10b7010

p=0x6050c0, size=0, end=0x6050c0, next=0x10b7600 <-- dummy

p=0x10b7600, size=159, end=0x10b7ff0, next=0x10b6200

p=0x10b6200, size=223, end=0x10b6ff0, next=0x6050c0

third: 1008 bytes (63 units) p=0x10b8010

p=0x6050c0, size=0, end=0x6050c0, next=0x10b8400 <-- dummy

p=0x10b8400, size=191, end=0x10b8ff0, next=0x10b7600

p=0x10b7600, size=159, end=0x10b7ff0, next=0x10b6200

p=0x10b6200, size=223, end=0x10b6ff0, next=0x6050c0

fourth: 1008 bytes (63 units) p=0x10b9010

p=0x6050c0, size=0, end=0x6050c0, next=0x10b9400 <-- dummy

p=0x10b9400, size=191, end=0x10b9ff0, next=0x10b8400

p=0x10b8400, size=191, end=0x10b8ff0, next=0x10b7600

p=0x10b7600, size=159, end=0x10b7ff0, next=0x10b6200

p=0x10b6200, size=223, end=0x10b6ff0, next=0x6050c0

first free of p2 (3/8): 0x10b7010

p=0x10b8400, size=191, end=0x10b8ff0, next=0x10b7600

p=0x10b7600, size=159, end=0x10b7ff0, next=0x10b6200

p=0x10b6200, size=223, end=0x10b6ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x10b7000 <-- dummy

p=0x10b7000, size=95, end=0x10b75f0, next=0x10b9400

p=0x10b9400, size=191, end=0x10b9ff0, next=0x10b8400

second free of p4 (1/4): 0x10b9010

p=0x10b8400, size=191, end=0x10b8ff0, next=0x10b7600

p=0x10b7600, size=159, end=0x10b7ff0, next=0x10b6200

p=0x10b6200, size=223, end=0x10b6ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x10b7000 <-- dummy

p=0x10b7000, size=95, end=0x10b75f0, next=0x10b9000

p=0x10b9000, size=63, end=0x10b93f0, next=0x10b9400

p=0x10b9400, size=191, end=0x10b9ff0, next=0x10b8400

first: 1008 bytes (63 units) p=0x10ba010

p=0x10b9400, size=191, end=0x10b9ff0, next=0x10ba400

p=0x10ba400, size=191, end=0x10baff0, next=0x10b8400

p=0x10b8400, size=191, end=0x10b8ff0, next=0x10b7600

p=0x10b7600, size=159, end=0x10b7ff0, next=0x10b6200

p=0x10b6200, size=223, end=0x10b6ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x10b7000 <-- dummy

p=0x10b7000, size=95, end=0x10b75f0, next=0x10b9000

p=0x10b9000, size=63, end=0x10b93f0, next=0x10b9400

first free of 1/8 a page p=0x10b6010

p=0x10b9000, size=63, end=0x10b93f0, next=0x10b9400

p=0x10b9400, size=191, end=0x10b9ff0, next=0x10ba400

p=0x10ba400, size=191, end=0x10baff0, next=0x10b8400

p=0x10b8400, size=191, end=0x10b8ff0, next=0x10b7600

p=0x10b7600, size=159, end=0x10b7ff0, next=0x10b6200

p=0x10b6200, size=223, end=0x10b6ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x10b6000 <-- dummy

p=0x10b6000, size=31, end=0x10b61f0, next=0x10b7000

p=0x10b7000, size=95, end=0x10b75f0, next=0x10b9000

second free of a 1/4 page p=0x10ba010

p=0x10b8400, size=191, end=0x10b8ff0, next=0x10b7600

p=0x10b7600, size=159, end=0x10b7ff0, next=0x10b6200

p=0x10b6200, size=223, end=0x10b6ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x10b6000 <-- dummy

p=0x10b6000, size=31, end=0x10b61f0, next=0x10b7000

p=0x10b7000, size=95, end=0x10b75f0, next=0x10b9000

p=0x10b9000, size=63, end=0x10b93f0, next=0x10b9400

p=0x10b9400, size=191, end=0x10b9ff0, next=0x10ba000

p=0x10ba000, size=63, end=0x10ba3f0, next=0x10ba400

p=0x10ba400, size=191, end=0x10baff0, next=0x10b8400

third free of a 1/4 page p=0x10b9010

p=0x10b9400, size=191, end=0x10b9ff0, next=0x10ba000

p=0x10ba000, size=63, end=0x10ba3f0, next=0x10ba400

p=0x10ba400, size=191, end=0x10baff0, next=0x10b8400

p=0x10b8400, size=191, end=0x10b8ff0, next=0x10b7600

p=0x10b7600, size=159, end=0x10b7ff0, next=0x10b6200

p=0x10b6200, size=223, end=0x10b6ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x10b6000 <-- dummy

p=0x10b6000, size=31, end=0x10b61f0, next=0x10b7000

p=0x10b7000, size=95, end=0x10b75f0, next=0x10b8000

p=0x10b8000, size=63, end=0x10b83f0, next=0x10b9000

p=0x10b9000, size=63, end=0x10b93f0, next=0x10b9400

unit driver 2 has returned all memory to free list

p=0x10b9400, size=191, end=0x10b9ff0, next=0x10ba000

p=0x10ba000, size=63, end=0x10ba3f0, next=0x10ba400

p=0x10ba400, size=191, end=0x10baff0, next=0x10b8400

p=0x10b8400, size=191, end=0x10b8ff0, next=0x10b7600

p=0x10b7600, size=159, end=0x10b7ff0, next=0x10b6200

p=0x10b6200, size=223, end=0x10b6ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x10b6000 <-- dummy

p=0x10b6000, size=31, end=0x10b61f0, next=0x10b7000

p=0x10b7000, size=95, end=0x10b75f0, next=0x10b8000

p=0x10b8000, size=63, end=0x10b83f0, next=0x10b9000

p=0x10b9000, size=63, end=0x10b93f0, next=0x10b9400

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 11

Min: 496

Max: 3568

Average: 1861

Total bytes in free list: 20480

Number of sbrk calls: 5

Number of requested pages: 5

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 2 -----

Seed: 19283

First-fit search policy starting at head using coalescing

----- Begin unit driver 2 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 496 bytes (31 units) p=0x19df010

p=0x6050c0, size=0, end=0x6050c0, next=0x19df200 <-- dummy

p=0x19df200, size=223, end=0x19dfff0, next=0x6050c0

second: 1520 bytes (95 units) p=0x19e0010

p=0x6050c0, size=0, end=0x6050c0, next=0x19e0600 <-- dummy

p=0x19e0600, size=159, end=0x19e0ff0, next=0x19df200

p=0x19df200, size=223, end=0x19dfff0, next=0x6050c0

third: 1008 bytes (63 units) p=0x19e1010

p=0x19df200, size=223, end=0x19dfff0, next=0x19e1400

p=0x19e1400, size=191, end=0x19e1ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x19e0600 <-- dummy

p=0x19e0600, size=159, end=0x19e0ff0, next=0x19df200

fourth: 1008 bytes (63 units) p=0x19e2010

p=0x19df200, size=223, end=0x19dfff0, next=0x19e2400

p=0x19e2400, size=191, end=0x19e2ff0, next=0x19e1400

p=0x19e1400, size=191, end=0x19e1ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x19e0600 <-- dummy

p=0x19e0600, size=159, end=0x19e0ff0, next=0x19df200

first free of p2 (3/8): 0x19e0010

p=0x19df200, size=223, end=0x19dfff0, next=0x19e2400

p=0x19e2400, size=191, end=0x19e2ff0, next=0x19e1400

p=0x19e1400, size=191, end=0x19e1ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x19e0000 <-- dummy

p=0x19e0000, size=95, end=0x19e05f0, next=0x19e0600

p=0x19e0600, size=159, end=0x19e0ff0, next=0x19df200

second free of p4 (1/4): 0x19e2010

p=0x19e1400, size=191, end=0x19e1ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x19e0000 <-- dummy

p=0x19e0000, size=95, end=0x19e05f0, next=0x19e0600

p=0x19e0600, size=159, end=0x19e0ff0, next=0x19df200

p=0x19df200, size=223, end=0x19dfff0, next=0x19e2000

p=0x19e2000, size=63, end=0x19e23f0, next=0x19e2400

p=0x19e2400, size=191, end=0x19e2ff0, next=0x19e1400

first: 1008 bytes (63 units) p=0x19e3010

p=0x19e0600, size=159, end=0x19e0ff0, next=0x19e3400

p=0x19e3400, size=191, end=0x19e3ff0, next=0x19df200

p=0x19df200, size=223, end=0x19dfff0, next=0x19e2000

p=0x19e2000, size=63, end=0x19e23f0, next=0x19e2400

p=0x19e2400, size=191, end=0x19e2ff0, next=0x19e1400

p=0x19e1400, size=191, end=0x19e1ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x19e0000 <-- dummy

p=0x19e0000, size=95, end=0x19e05f0, next=0x19e0600

first free of 1/8 a page p=0x19df010

p=0x19e0600, size=159, end=0x19e0ff0, next=0x19e3400

p=0x19e3400, size=191, end=0x19e3ff0, next=0x19df200

p=0x19df200, size=223, end=0x19dfff0, next=0x19e2000

p=0x19e2000, size=63, end=0x19e23f0, next=0x19e2400

p=0x19e2400, size=191, end=0x19e2ff0, next=0x19e1400

p=0x19e1400, size=191, end=0x19e1ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x19df000 <-- dummy

p=0x19df000, size=31, end=0x19df1f0, next=0x19e0000

p=0x19e0000, size=95, end=0x19e05f0, next=0x19e0600

second free of a 1/4 page p=0x19e3010

p=0x19df200, size=223, end=0x19dfff0, next=0x19e2000

p=0x19e2000, size=63, end=0x19e23f0, next=0x19e2400

p=0x19e2400, size=191, end=0x19e2ff0, next=0x19e1400

p=0x19e1400, size=191, end=0x19e1ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x19df000 <-- dummy

p=0x19df000, size=31, end=0x19df1f0, next=0x19e0000

p=0x19e0000, size=95, end=0x19e05f0, next=0x19e0600

p=0x19e0600, size=159, end=0x19e0ff0, next=0x19e3000

p=0x19e3000, size=63, end=0x19e33f0, next=0x19e3400

p=0x19e3400, size=191, end=0x19e3ff0, next=0x19df200

third free of a 1/4 page p=0x19e2010

p=0x19e3400, size=191, end=0x19e3ff0, next=0x19df200

p=0x19df200, size=223, end=0x19dfff0, next=0x19e2000

p=0x19e2000, size=63, end=0x19e23f0, next=0x19e2400

p=0x19e2400, size=191, end=0x19e2ff0, next=0x19e1400

p=0x19e1400, size=191, end=0x19e1ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x19df000 <-- dummy

p=0x19df000, size=31, end=0x19df1f0, next=0x19e0000

p=0x19e0000, size=95, end=0x19e05f0, next=0x19e0600

p=0x19e0600, size=159, end=0x19e0ff0, next=0x19e1000

p=0x19e1000, size=63, end=0x19e13f0, next=0x19e3000

p=0x19e3000, size=63, end=0x19e33f0, next=0x19e3400

unit driver 2 has returned all memory to free list

p=0x19e3400, size=191, end=0x19e3ff0, next=0x19df200

p=0x19df200, size=223, end=0x19dfff0, next=0x19e2000

p=0x19e2000, size=63, end=0x19e23f0, next=0x19e2400

p=0x19e2400, size=191, end=0x19e2ff0, next=0x19e1400

p=0x19e1400, size=191, end=0x19e1ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x19df000 <-- dummy

p=0x19df000, size=31, end=0x19df1f0, next=0x19e0000

p=0x19e0000, size=95, end=0x19e05f0, next=0x19e0600

p=0x19e0600, size=159, end=0x19e0ff0, next=0x19e1000

p=0x19e1000, size=63, end=0x19e13f0, next=0x19e3000

p=0x19e3000, size=63, end=0x19e33f0, next=0x19e3400

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 11

Min: 496

Max: 3568

Average: 1861

Total bytes in free list: 20480

Number of sbrk calls: 5

Number of requested pages: 5

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 2 -----

Seed: 19283

Worst-fit search policy starting at head using coalescing

----- Begin unit driver 2 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 496 bytes (31 units) p=0x2445010

p=0x6050c0, size=0, end=0x6050c0, next=0x2445200 <-- dummy

p=0x2445200, size=223, end=0x2445ff0, next=0x6050c0

second: 1520 bytes (95 units) p=0x2446010

p=0x6050c0, size=0, end=0x6050c0, next=0x2446600 <-- dummy

p=0x2446600, size=159, end=0x2446ff0, next=0x2445200

p=0x2445200, size=223, end=0x2445ff0, next=0x6050c0

third: 1008 bytes (63 units) p=0x2447010

p=0x6050c0, size=0, end=0x6050c0, next=0x2447400 <-- dummy

p=0x2447400, size=191, end=0x2447ff0, next=0x2446600

p=0x2446600, size=159, end=0x2446ff0, next=0x2445200

p=0x2445200, size=223, end=0x2445ff0, next=0x6050c0

fourth: 1008 bytes (63 units) p=0x2448010

p=0x6050c0, size=0, end=0x6050c0, next=0x2448400 <-- dummy

p=0x2448400, size=191, end=0x2448ff0, next=0x2447400

p=0x2447400, size=191, end=0x2447ff0, next=0x2446600

p=0x2446600, size=159, end=0x2446ff0, next=0x2445200

p=0x2445200, size=223, end=0x2445ff0, next=0x6050c0

first free of p2 (3/8): 0x2446010

p=0x2447400, size=191, end=0x2447ff0, next=0x2446600

p=0x2446600, size=159, end=0x2446ff0, next=0x2445200

p=0x2445200, size=223, end=0x2445ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x2446000 <-- dummy

p=0x2446000, size=95, end=0x24465f0, next=0x2448400

p=0x2448400, size=191, end=0x2448ff0, next=0x2447400

second free of p4 (1/4): 0x2448010

p=0x2447400, size=191, end=0x2447ff0, next=0x2446600

p=0x2446600, size=159, end=0x2446ff0, next=0x2445200

p=0x2445200, size=223, end=0x2445ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x2446000 <-- dummy

p=0x2446000, size=95, end=0x24465f0, next=0x2448000

p=0x2448000, size=63, end=0x24483f0, next=0x2448400

p=0x2448400, size=191, end=0x2448ff0, next=0x2447400

first: 1008 bytes (63 units) p=0x2449010

p=0x6050c0, size=0, end=0x6050c0, next=0x2449400 <-- dummy

p=0x2449400, size=191, end=0x2449ff0, next=0x2446000

p=0x2446000, size=95, end=0x24465f0, next=0x2448000

p=0x2448000, size=63, end=0x24483f0, next=0x2448400

p=0x2448400, size=191, end=0x2448ff0, next=0x2447400

p=0x2447400, size=191, end=0x2447ff0, next=0x2446600

p=0x2446600, size=159, end=0x2446ff0, next=0x2445200

p=0x2445200, size=223, end=0x2445ff0, next=0x6050c0

first free of 1/8 a page p=0x2445010

p=0x2446000, size=95, end=0x24465f0, next=0x2448000

p=0x2448000, size=63, end=0x24483f0, next=0x2448400

p=0x2448400, size=191, end=0x2448ff0, next=0x2447400

p=0x2447400, size=191, end=0x2447ff0, next=0x2446600

p=0x2446600, size=159, end=0x2446ff0, next=0x2445200

p=0x2445200, size=223, end=0x2445ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x2445000 <-- dummy

p=0x2445000, size=31, end=0x24451f0, next=0x2449400

p=0x2449400, size=191, end=0x2449ff0, next=0x2446000

second free of a 1/4 page p=0x2449010

p=0x2446000, size=95, end=0x24465f0, next=0x2448000

p=0x2448000, size=63, end=0x24483f0, next=0x2448400

p=0x2448400, size=191, end=0x2448ff0, next=0x2447400

p=0x2447400, size=191, end=0x2447ff0, next=0x2446600

p=0x2446600, size=159, end=0x2446ff0, next=0x2445200

p=0x2445200, size=223, end=0x2445ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x2445000 <-- dummy

p=0x2445000, size=31, end=0x24451f0, next=0x2449000

p=0x2449000, size=63, end=0x24493f0, next=0x2449400

p=0x2449400, size=191, end=0x2449ff0, next=0x2446000

third free of a 1/4 page p=0x2448010

p=0x2449400, size=191, end=0x2449ff0, next=0x2446000

p=0x2446000, size=95, end=0x24465f0, next=0x2448000

p=0x2448000, size=63, end=0x24483f0, next=0x2448400

p=0x2448400, size=191, end=0x2448ff0, next=0x2447400

p=0x2447400, size=191, end=0x2447ff0, next=0x2446600

p=0x2446600, size=159, end=0x2446ff0, next=0x2445200

p=0x2445200, size=223, end=0x2445ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x2445000 <-- dummy

p=0x2445000, size=31, end=0x24451f0, next=0x2447000

p=0x2447000, size=63, end=0x24473f0, next=0x2449000

p=0x2449000, size=63, end=0x24493f0, next=0x2449400

unit driver 2 has returned all memory to free list

p=0x2449400, size=191, end=0x2449ff0, next=0x2446000

p=0x2446000, size=95, end=0x24465f0, next=0x2448000

p=0x2448000, size=63, end=0x24483f0, next=0x2448400

p=0x2448400, size=191, end=0x2448ff0, next=0x2447400

p=0x2447400, size=191, end=0x2447ff0, next=0x2446600

p=0x2446600, size=159, end=0x2446ff0, next=0x2445200

p=0x2445200, size=223, end=0x2445ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x2445000 <-- dummy

p=0x2445000, size=31, end=0x24451f0, next=0x2447000

p=0x2447000, size=63, end=0x24473f0, next=0x2449000

p=0x2449000, size=63, end=0x24493f0, next=0x2449400

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 11

Min: 496

Max: 3568

Average: 1861

Total bytes in free list: 20480

Number of sbrk calls: 5

Number of requested pages: 5

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 2 -----

Seed: 19283

Best-fit search policy starting at head using coalescing

----- Begin unit driver 3 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 62592 bytes (3912 units) p=0xa0b010

p=0x6050c0, size=0, end=0x6050c0, next=0xa1a490 <-- dummy

p=0xa1a490, size=182, end=0xa1aff0, next=0x6050c0

second: 11744 bytes (734 units) p=0xa1b010

p=0x6050c0, size=0, end=0x6050c0, next=0xa1ddf0 <-- dummy

p=0xa1ddf0, size=32, end=0xa1dff0, next=0xa1a490

p=0xa1a490, size=182, end=0xa1aff0, next=0x6050c0

second: 37024 bytes (2314 units) p=0xa1e010

p=0x6050c0, size=0, end=0x6050c0, next=0xa270b0 <-- dummy

p=0xa270b0, size=244, end=0xa27ff0, next=0xa1ddf0

p=0xa1ddf0, size=32, end=0xa1dff0, next=0xa1a490

p=0xa1a490, size=182, end=0xa1aff0, next=0x6050c0

first free of 15 pages plus 72 p=0xa0b010

p=0xa1ddf0, size=32, end=0xa1dff0, next=0xa1a490

p=0xa1a490, size=182, end=0xa1aff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xa0b000 <-- dummy

p=0xa0b000, size=3912, end=0xa1a480, next=0xa270b0

p=0xa270b0, size=244, end=0xa27ff0, next=0xa1ddf0

second free of 3 pages minus 34 p=0xa1b010

p=0xa1ddf0, size=32, end=0xa1dff0, next=0xa1a490

p=0xa1a490, size=182, end=0xa1aff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xa0b000 <-- dummy

p=0xa0b000, size=3912, end=0xa1a480, next=0xa1b000

p=0xa1b000, size=734, end=0xa1dde0, next=0xa270b0

p=0xa270b0, size=244, end=0xa27ff0, next=0xa1ddf0

third free of 9 pages plus 10 p=0xa1e010

p=0xa1ddf0, size=32, end=0xa1dff0, next=0xa1a490

p=0xa1a490, size=182, end=0xa1aff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xa0b000 <-- dummy

p=0xa0b000, size=3912, end=0xa1a480, next=0xa1b000

p=0xa1b000, size=734, end=0xa1dde0, next=0xa1e000

p=0xa1e000, size=2314, end=0xa270a0, next=0xa270b0

p=0xa270b0, size=244, end=0xa27ff0, next=0xa1ddf0

unit driver 3 has returned all memory to free list

p=0xa1ddf0, size=32, end=0xa1dff0, next=0xa1a490

p=0xa1a490, size=182, end=0xa1aff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xa0b000 <-- dummy

p=0xa0b000, size=3912, end=0xa1a480, next=0xa1b000

p=0xa1b000, size=734, end=0xa1dde0, next=0xa1e000

p=0xa1e000, size=2314, end=0xa270a0, next=0xa270b0

p=0xa270b0, size=244, end=0xa27ff0, next=0xa1ddf0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 7

Min: 512

Max: 62592

Average: 16969

Total bytes in free list: 118784

Number of sbrk calls: 3

Number of requested pages: 29

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 3 -----

Seed: 19283

First-fit search policy starting at head using coalescing

----- Begin unit driver 3 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 62592 bytes (3912 units) p=0x2250010

p=0x6050c0, size=0, end=0x6050c0, next=0x225f490 <-- dummy

p=0x225f490, size=182, end=0x225fff0, next=0x6050c0

second: 11744 bytes (734 units) p=0x2260010

p=0x6050c0, size=0, end=0x6050c0, next=0x2262df0 <-- dummy

p=0x2262df0, size=32, end=0x2262ff0, next=0x225f490

p=0x225f490, size=182, end=0x225fff0, next=0x6050c0

second: 37024 bytes (2314 units) p=0x2263010

p=0x6050c0, size=0, end=0x6050c0, next=0x226c0b0 <-- dummy

p=0x226c0b0, size=244, end=0x226cff0, next=0x2262df0

p=0x2262df0, size=32, end=0x2262ff0, next=0x225f490

p=0x225f490, size=182, end=0x225fff0, next=0x6050c0

first free of 15 pages plus 72 p=0x2250010

p=0x2262df0, size=32, end=0x2262ff0, next=0x225f490

p=0x225f490, size=182, end=0x225fff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x2250000 <-- dummy

p=0x2250000, size=3912, end=0x225f480, next=0x226c0b0

p=0x226c0b0, size=244, end=0x226cff0, next=0x2262df0

second free of 3 pages minus 34 p=0x2260010

p=0x2262df0, size=32, end=0x2262ff0, next=0x225f490

p=0x225f490, size=182, end=0x225fff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x2250000 <-- dummy

p=0x2250000, size=3912, end=0x225f480, next=0x2260000

p=0x2260000, size=734, end=0x2262de0, next=0x226c0b0

p=0x226c0b0, size=244, end=0x226cff0, next=0x2262df0

third free of 9 pages plus 10 p=0x2263010

p=0x2262df0, size=32, end=0x2262ff0, next=0x225f490

p=0x225f490, size=182, end=0x225fff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x2250000 <-- dummy

p=0x2250000, size=3912, end=0x225f480, next=0x2260000

p=0x2260000, size=734, end=0x2262de0, next=0x2263000

p=0x2263000, size=2314, end=0x226c0a0, next=0x226c0b0

p=0x226c0b0, size=244, end=0x226cff0, next=0x2262df0

unit driver 3 has returned all memory to free list

p=0x2262df0, size=32, end=0x2262ff0, next=0x225f490

p=0x225f490, size=182, end=0x225fff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x2250000 <-- dummy

p=0x2250000, size=3912, end=0x225f480, next=0x2260000

p=0x2260000, size=734, end=0x2262de0, next=0x2263000

p=0x2263000, size=2314, end=0x226c0a0, next=0x226c0b0

p=0x226c0b0, size=244, end=0x226cff0, next=0x2262df0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 7

Min: 512

Max: 62592

Average: 16969

Total bytes in free list: 118784

Number of sbrk calls: 3

Number of requested pages: 29

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 3 -----

Seed: 19283

Worst-fit search policy starting at head using coalescing

----- Begin unit driver 3 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 62592 bytes (3912 units) p=0x14e4010

p=0x6050c0, size=0, end=0x6050c0, next=0x14f3490 <-- dummy

p=0x14f3490, size=182, end=0x14f3ff0, next=0x6050c0

second: 11744 bytes (734 units) p=0x14f4010

p=0x6050c0, size=0, end=0x6050c0, next=0x14f6df0 <-- dummy

p=0x14f6df0, size=32, end=0x14f6ff0, next=0x14f3490

p=0x14f3490, size=182, end=0x14f3ff0, next=0x6050c0

second: 37024 bytes (2314 units) p=0x14f7010

p=0x6050c0, size=0, end=0x6050c0, next=0x15000b0 <-- dummy

p=0x15000b0, size=244, end=0x1500ff0, next=0x14f6df0

p=0x14f6df0, size=32, end=0x14f6ff0, next=0x14f3490

p=0x14f3490, size=182, end=0x14f3ff0, next=0x6050c0

first free of 15 pages plus 72 p=0x14e4010

p=0x14f6df0, size=32, end=0x14f6ff0, next=0x14f3490

p=0x14f3490, size=182, end=0x14f3ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14e4000 <-- dummy

p=0x14e4000, size=3912, end=0x14f3480, next=0x15000b0

p=0x15000b0, size=244, end=0x1500ff0, next=0x14f6df0

second free of 3 pages minus 34 p=0x14f4010

p=0x14f6df0, size=32, end=0x14f6ff0, next=0x14f3490

p=0x14f3490, size=182, end=0x14f3ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14e4000 <-- dummy

p=0x14e4000, size=3912, end=0x14f3480, next=0x14f4000

p=0x14f4000, size=734, end=0x14f6de0, next=0x15000b0

p=0x15000b0, size=244, end=0x1500ff0, next=0x14f6df0

third free of 9 pages plus 10 p=0x14f7010

p=0x14f6df0, size=32, end=0x14f6ff0, next=0x14f3490

p=0x14f3490, size=182, end=0x14f3ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14e4000 <-- dummy

p=0x14e4000, size=3912, end=0x14f3480, next=0x14f4000

p=0x14f4000, size=734, end=0x14f6de0, next=0x14f7000

p=0x14f7000, size=2314, end=0x15000a0, next=0x15000b0

p=0x15000b0, size=244, end=0x1500ff0, next=0x14f6df0

unit driver 3 has returned all memory to free list

p=0x14f6df0, size=32, end=0x14f6ff0, next=0x14f3490

p=0x14f3490, size=182, end=0x14f3ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14e4000 <-- dummy

p=0x14e4000, size=3912, end=0x14f3480, next=0x14f4000

p=0x14f4000, size=734, end=0x14f6de0, next=0x14f7000

p=0x14f7000, size=2314, end=0x15000a0, next=0x15000b0

p=0x15000b0, size=244, end=0x1500ff0, next=0x14f6df0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 7

Min: 512

Max: 62592

Average: 16969

Total bytes in free list: 118784

Number of sbrk calls: 3

Number of requested pages: 29

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 3 -----

Seed: 19283

Best-fit search policy starting at head using coalescing

----- Begin unit driver 4 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

p1 alloc: 1024 bytes (64 units) p=0x75e010

p=0x6050c0, size=0, end=0x6050c0, next=0x75e410 <-- dummy

p=0x75e410, size=190, end=0x75eff0, next=0x6050c0

p2 alloc: 2048 bytes (128 units) p=0x75f010

p=0x6050c0, size=0, end=0x6050c0, next=0x75f810 <-- dummy

p=0x75f810, size=126, end=0x75fff0, next=0x75e410

p=0x75e410, size=190, end=0x75eff0, next=0x6050c0

first free of 1/2 of a page p=0x75f010

p=0x75e410, size=190, end=0x75eff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x75f000 <-- dummy

p=0x75f000, size=128, end=0x75f800, next=0x75f810

p=0x75f810, size=126, end=0x75fff0, next=0x75e410

p2 alloc: 448 bytes (28 units) p=0x760010

p=0x6050c0, size=0, end=0x6050c0, next=0x7601d0 <-- dummy

p=0x7601d0, size=226, end=0x760ff0, next=0x75f000

p=0x75f000, size=128, end=0x75f800, next=0x75f810

p=0x75f810, size=126, end=0x75fff0, next=0x75e410

p=0x75e410, size=190, end=0x75eff0, next=0x6050c0

second free of 1/4 of a page p=0x75e010

p1 alloc: 1024 bytes (64 units) p=0x75e010

p=0x75f000, size=128, end=0x75f800, next=0x75f810

p=0x75f810, size=126, end=0x75fff0, next=0x75e410

p=0x75e410, size=190, end=0x75eff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x75e000 <-- dummy

p=0x75e000, size=64, end=0x75e400, next=0x7601d0

p=0x7601d0, size=226, end=0x760ff0, next=0x75f000

third free of 1/9 of a page p=0x760010

p2 alloc: 448 bytes (28 units) p=0x760010

p=0x75f000, size=128, end=0x75f800, next=0x75f810

p=0x75f810, size=126, end=0x75fff0, next=0x75e410

p=0x75e410, size=190, end=0x75eff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x75e000 <-- dummy

p=0x75e000, size=64, end=0x75e400, next=0x760000

p=0x760000, size=28, end=0x7601c0, next=0x7601d0

p=0x7601d0, size=226, end=0x760ff0, next=0x75f000

p2 alloc: 1360 bytes (85 units) p=0x761010

p=0x6050c0, size=0, end=0x6050c0, next=0x761560 <-- dummy

p=0x761560, size=169, end=0x761ff0, next=0x75e000

p=0x75e000, size=64, end=0x75e400, next=0x760000

p=0x760000, size=28, end=0x7601c0, next=0x7601d0

p=0x7601d0, size=226, end=0x760ff0, next=0x75f000

p=0x75f000, size=128, end=0x75f800, next=0x75f810

p=0x75f810, size=126, end=0x75fff0, next=0x75e410

p=0x75e410, size=190, end=0x75eff0, next=0x6050c0

p1 alloc: 1808 bytes (113 units) p=0x762010

p=0x6050c0, size=0, end=0x6050c0, next=0x762720 <-- dummy

p=0x762720, size=141, end=0x762ff0, next=0x761560

p=0x761560, size=169, end=0x761ff0, next=0x75e000

p=0x75e000, size=64, end=0x75e400, next=0x760000

p=0x760000, size=28, end=0x7601c0, next=0x7601d0

p=0x7601d0, size=226, end=0x760ff0, next=0x75f000

p=0x75f000, size=128, end=0x75f800, next=0x75f810

p=0x75f810, size=126, end=0x75fff0, next=0x75e410

p=0x75e410, size=190, end=0x75eff0, next=0x6050c0

Begin to free all allocated memory...

first free of 4/9 of a page p=0x762010

p=0x761560, size=169, end=0x761ff0, next=0x75e000

p=0x75e000, size=64, end=0x75e400, next=0x760000

p=0x760000, size=28, end=0x7601c0, next=0x7601d0

p=0x7601d0, size=226, end=0x760ff0, next=0x75f000

p=0x75f000, size=128, end=0x75f800, next=0x75f810

p=0x75f810, size=126, end=0x75fff0, next=0x75e410

p=0x75e410, size=190, end=0x75eff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x762000 <-- dummy

p=0x762000, size=113, end=0x762710, next=0x762720

p=0x762720, size=141, end=0x762ff0, next=0x761560

second free of 1/3 of a page p=0x761010

p=0x762720, size=141, end=0x762ff0, next=0x761560

p=0x761560, size=169, end=0x761ff0, next=0x75e000

p=0x75e000, size=64, end=0x75e400, next=0x760000

p=0x760000, size=28, end=0x7601c0, next=0x7601d0

p=0x7601d0, size=226, end=0x760ff0, next=0x75f000

p=0x75f000, size=128, end=0x75f800, next=0x75f810

p=0x75f810, size=126, end=0x75fff0, next=0x75e410

p=0x75e410, size=190, end=0x75eff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x761000 <-- dummy

p=0x761000, size=85, end=0x761550, next=0x762000

p=0x762000, size=113, end=0x762710, next=0x762720

unit driver 4 has returned all memory to free list

p=0x762720, size=141, end=0x762ff0, next=0x761560

p=0x761560, size=169, end=0x761ff0, next=0x75e000

p=0x75e000, size=64, end=0x75e400, next=0x760000

p=0x760000, size=28, end=0x7601c0, next=0x7601d0

p=0x7601d0, size=226, end=0x760ff0, next=0x75f000

p=0x75f000, size=128, end=0x75f800, next=0x75f810

p=0x75f810, size=126, end=0x75fff0, next=0x75e410

p=0x75e410, size=190, end=0x75eff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x761000 <-- dummy

p=0x761000, size=85, end=0x761550, next=0x762000

p=0x762000, size=113, end=0x762710, next=0x762720

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 11

Min: 448

Max: 3616

Average: 1861

Total bytes in free list: 20480

Number of sbrk calls: 5

Number of requested pages: 5

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 4 -----

Seed: 19283

First-fit search policy starting at head using coalescing

----- Begin unit driver 4 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

p1 alloc: 1024 bytes (64 units) p=0x645010

p=0x6050c0, size=0, end=0x6050c0, next=0x645410 <-- dummy

p=0x645410, size=190, end=0x645ff0, next=0x6050c0

p2 alloc: 2048 bytes (128 units) p=0x646010

p=0x6050c0, size=0, end=0x6050c0, next=0x646810 <-- dummy

p=0x646810, size=126, end=0x646ff0, next=0x645410

p=0x645410, size=190, end=0x645ff0, next=0x6050c0

first free of 1/2 of a page p=0x646010

p=0x645410, size=190, end=0x645ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x646000 <-- dummy

p=0x646000, size=128, end=0x646800, next=0x646810

p=0x646810, size=126, end=0x646ff0, next=0x645410

p2 alloc: 448 bytes (28 units) p=0x647010

p=0x646810, size=126, end=0x646ff0, next=0x6471d0

p=0x6471d0, size=226, end=0x647ff0, next=0x645410

p=0x645410, size=190, end=0x645ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x646000 <-- dummy

p=0x646000, size=128, end=0x646800, next=0x646810

second free of 1/4 of a page p=0x645010

p1 alloc: 1024 bytes (64 units) p=0x645010

p=0x646810, size=126, end=0x646ff0, next=0x6471d0

p=0x6471d0, size=226, end=0x647ff0, next=0x645410

p=0x645410, size=190, end=0x645ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x645000 <-- dummy

p=0x645000, size=64, end=0x645400, next=0x646000

p=0x646000, size=128, end=0x646800, next=0x646810

third free of 1/9 of a page p=0x647010

p2 alloc: 448 bytes (28 units) p=0x647010

p=0x645410, size=190, end=0x645ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x645000 <-- dummy

p=0x645000, size=64, end=0x645400, next=0x646000

p=0x646000, size=128, end=0x646800, next=0x646810

p=0x646810, size=126, end=0x646ff0, next=0x647000

p=0x647000, size=28, end=0x6471c0, next=0x6471d0

p=0x6471d0, size=226, end=0x647ff0, next=0x645410

p2 alloc: 1360 bytes (85 units) p=0x648010

p=0x646810, size=126, end=0x646ff0, next=0x648560

p=0x648560, size=169, end=0x648ff0, next=0x647000

p=0x647000, size=28, end=0x6471c0, next=0x6471d0

p=0x6471d0, size=226, end=0x647ff0, next=0x645410

p=0x645410, size=190, end=0x645ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x645000 <-- dummy

p=0x645000, size=64, end=0x645400, next=0x646000

p=0x646000, size=128, end=0x646800, next=0x646810

p1 alloc: 1808 bytes (113 units) p=0x649010

p=0x646810, size=126, end=0x646ff0, next=0x649720

p=0x649720, size=141, end=0x649ff0, next=0x648560

p=0x648560, size=169, end=0x648ff0, next=0x647000

p=0x647000, size=28, end=0x6471c0, next=0x6471d0

p=0x6471d0, size=226, end=0x647ff0, next=0x645410

p=0x645410, size=190, end=0x645ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x645000 <-- dummy

p=0x645000, size=64, end=0x645400, next=0x646000

p=0x646000, size=128, end=0x646800, next=0x646810

Begin to free all allocated memory...

first free of 4/9 of a page p=0x649010

p=0x648560, size=169, end=0x648ff0, next=0x647000

p=0x647000, size=28, end=0x6471c0, next=0x6471d0

p=0x6471d0, size=226, end=0x647ff0, next=0x645410

p=0x645410, size=190, end=0x645ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x645000 <-- dummy

p=0x645000, size=64, end=0x645400, next=0x646000

p=0x646000, size=128, end=0x646800, next=0x646810

p=0x646810, size=126, end=0x646ff0, next=0x649000

p=0x649000, size=113, end=0x649710, next=0x649720

p=0x649720, size=141, end=0x649ff0, next=0x648560

second free of 1/3 of a page p=0x648010

p=0x649720, size=141, end=0x649ff0, next=0x648560

p=0x648560, size=169, end=0x648ff0, next=0x647000

p=0x647000, size=28, end=0x6471c0, next=0x6471d0

p=0x6471d0, size=226, end=0x647ff0, next=0x645410

p=0x645410, size=190, end=0x645ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x645000 <-- dummy

p=0x645000, size=64, end=0x645400, next=0x646000

p=0x646000, size=128, end=0x646800, next=0x646810

p=0x646810, size=126, end=0x646ff0, next=0x648000

p=0x648000, size=85, end=0x648550, next=0x649000

p=0x649000, size=113, end=0x649710, next=0x649720

unit driver 4 has returned all memory to free list

p=0x649720, size=141, end=0x649ff0, next=0x648560

p=0x648560, size=169, end=0x648ff0, next=0x647000

p=0x647000, size=28, end=0x6471c0, next=0x6471d0

p=0x6471d0, size=226, end=0x647ff0, next=0x645410

p=0x645410, size=190, end=0x645ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x645000 <-- dummy

p=0x645000, size=64, end=0x645400, next=0x646000

p=0x646000, size=128, end=0x646800, next=0x646810

p=0x646810, size=126, end=0x646ff0, next=0x648000

p=0x648000, size=85, end=0x648550, next=0x649000

p=0x649000, size=113, end=0x649710, next=0x649720

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 11

Min: 448

Max: 3616

Average: 1861

Total bytes in free list: 20480

Number of sbrk calls: 5

Number of requested pages: 5

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 4 -----

Seed: 19283

Worst-fit search policy starting at head using coalescing

----- Begin unit driver 4 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

p1 alloc: 1024 bytes (64 units) p=0xa3c010

p=0x6050c0, size=0, end=0x6050c0, next=0xa3c410 <-- dummy

p=0xa3c410, size=190, end=0xa3cff0, next=0x6050c0

p2 alloc: 2048 bytes (128 units) p=0xa3d010

p=0x6050c0, size=0, end=0x6050c0, next=0xa3d810 <-- dummy

p=0xa3d810, size=126, end=0xa3dff0, next=0xa3c410

p=0xa3c410, size=190, end=0xa3cff0, next=0x6050c0

first free of 1/2 of a page p=0xa3d010

p=0xa3c410, size=190, end=0xa3cff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xa3d000 <-- dummy

p=0xa3d000, size=128, end=0xa3d800, next=0xa3d810

p=0xa3d810, size=126, end=0xa3dff0, next=0xa3c410

p2 alloc: 448 bytes (28 units) p=0xa3e010

p=0x6050c0, size=0, end=0x6050c0, next=0xa3e1d0 <-- dummy

p=0xa3e1d0, size=226, end=0xa3eff0, next=0xa3d000

p=0xa3d000, size=128, end=0xa3d800, next=0xa3d810

p=0xa3d810, size=126, end=0xa3dff0, next=0xa3c410

p=0xa3c410, size=190, end=0xa3cff0, next=0x6050c0

second free of 1/4 of a page p=0xa3c010

p1 alloc: 1024 bytes (64 units) p=0xa3c010

p=0xa3d000, size=128, end=0xa3d800, next=0xa3d810

p=0xa3d810, size=126, end=0xa3dff0, next=0xa3c410

p=0xa3c410, size=190, end=0xa3cff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xa3c000 <-- dummy

p=0xa3c000, size=64, end=0xa3c400, next=0xa3e1d0

p=0xa3e1d0, size=226, end=0xa3eff0, next=0xa3d000

third free of 1/9 of a page p=0xa3e010

p2 alloc: 448 bytes (28 units) p=0xa3e010

p=0xa3d000, size=128, end=0xa3d800, next=0xa3d810

p=0xa3d810, size=126, end=0xa3dff0, next=0xa3c410

p=0xa3c410, size=190, end=0xa3cff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xa3c000 <-- dummy

p=0xa3c000, size=64, end=0xa3c400, next=0xa3e000

p=0xa3e000, size=28, end=0xa3e1c0, next=0xa3e1d0

p=0xa3e1d0, size=226, end=0xa3eff0, next=0xa3d000

p2 alloc: 1360 bytes (85 units) p=0xa3f010

p=0x6050c0, size=0, end=0x6050c0, next=0xa3f560 <-- dummy

p=0xa3f560, size=169, end=0xa3fff0, next=0xa3c000

p=0xa3c000, size=64, end=0xa3c400, next=0xa3e000

p=0xa3e000, size=28, end=0xa3e1c0, next=0xa3e1d0

p=0xa3e1d0, size=226, end=0xa3eff0, next=0xa3d000

p=0xa3d000, size=128, end=0xa3d800, next=0xa3d810

p=0xa3d810, size=126, end=0xa3dff0, next=0xa3c410

p=0xa3c410, size=190, end=0xa3cff0, next=0x6050c0

p1 alloc: 1808 bytes (113 units) p=0xa40010

p=0x6050c0, size=0, end=0x6050c0, next=0xa40720 <-- dummy

p=0xa40720, size=141, end=0xa40ff0, next=0xa3f560

p=0xa3f560, size=169, end=0xa3fff0, next=0xa3c000

p=0xa3c000, size=64, end=0xa3c400, next=0xa3e000

p=0xa3e000, size=28, end=0xa3e1c0, next=0xa3e1d0

p=0xa3e1d0, size=226, end=0xa3eff0, next=0xa3d000

p=0xa3d000, size=128, end=0xa3d800, next=0xa3d810

p=0xa3d810, size=126, end=0xa3dff0, next=0xa3c410

p=0xa3c410, size=190, end=0xa3cff0, next=0x6050c0

Begin to free all allocated memory...

first free of 4/9 of a page p=0xa40010

p=0xa3f560, size=169, end=0xa3fff0, next=0xa3c000

p=0xa3c000, size=64, end=0xa3c400, next=0xa3e000

p=0xa3e000, size=28, end=0xa3e1c0, next=0xa3e1d0

p=0xa3e1d0, size=226, end=0xa3eff0, next=0xa3d000

p=0xa3d000, size=128, end=0xa3d800, next=0xa3d810

p=0xa3d810, size=126, end=0xa3dff0, next=0xa3c410

p=0xa3c410, size=190, end=0xa3cff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xa40000 <-- dummy

p=0xa40000, size=113, end=0xa40710, next=0xa40720

p=0xa40720, size=141, end=0xa40ff0, next=0xa3f560

second free of 1/3 of a page p=0xa3f010

p=0xa40720, size=141, end=0xa40ff0, next=0xa3f560

p=0xa3f560, size=169, end=0xa3fff0, next=0xa3c000

p=0xa3c000, size=64, end=0xa3c400, next=0xa3e000

p=0xa3e000, size=28, end=0xa3e1c0, next=0xa3e1d0

p=0xa3e1d0, size=226, end=0xa3eff0, next=0xa3d000

p=0xa3d000, size=128, end=0xa3d800, next=0xa3d810

p=0xa3d810, size=126, end=0xa3dff0, next=0xa3c410

p=0xa3c410, size=190, end=0xa3cff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xa3f000 <-- dummy

p=0xa3f000, size=85, end=0xa3f550, next=0xa40000

p=0xa40000, size=113, end=0xa40710, next=0xa40720

unit driver 4 has returned all memory to free list

p=0xa40720, size=141, end=0xa40ff0, next=0xa3f560

p=0xa3f560, size=169, end=0xa3fff0, next=0xa3c000

p=0xa3c000, size=64, end=0xa3c400, next=0xa3e000

p=0xa3e000, size=28, end=0xa3e1c0, next=0xa3e1d0

p=0xa3e1d0, size=226, end=0xa3eff0, next=0xa3d000

p=0xa3d000, size=128, end=0xa3d800, next=0xa3d810

p=0xa3d810, size=126, end=0xa3dff0, next=0xa3c410

p=0xa3c410, size=190, end=0xa3cff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xa3f000 <-- dummy

p=0xa3f000, size=85, end=0xa3f550, next=0xa40000

p=0xa40000, size=113, end=0xa40710, next=0xa40720

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 11

Min: 448

Max: 3616

Average: 1861

Total bytes in free list: 20480

Number of sbrk calls: 5

Number of requested pages: 5

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 4 -----

Seed: 19283

Best-fit search policy starting at head using coalescing

----- Begin unit driver 5 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 1008 bytes (63 units) p=0xd1d010

p=0x6050c0, size=0, end=0x6050c0, next=0xd1d400 <-- dummy

p=0xd1d400, size=191, end=0xd1dff0, next=0x6050c0

second: 496 bytes (31 units) p=0xd1e010

p=0x6050c0, size=0, end=0x6050c0, next=0xd1e200 <-- dummy

p=0xd1e200, size=223, end=0xd1eff0, next=0xd1d400

p=0xd1d400, size=191, end=0xd1dff0, next=0x6050c0

first free: p1 -> p=0xd1d010

second free: p2 -> p=0xd1e010

p=0xd1d400, size=191, end=0xd1dff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd1d000 <-- dummy

p=0xd1d000, size=63, end=0xd1d3f0, next=0xd1e000

p=0xd1e000, size=31, end=0xd1e1f0, next=0xd1e200

p=0xd1e200, size=223, end=0xd1eff0, next=0xd1d400

third: 4080 bytes (255 units) p=0xd1f010

p=0x6050c0, size=0, end=0x6050c0, next=0xd1d000 <-- dummy

p=0xd1d000, size=63, end=0xd1d3f0, next=0xd1e000

p=0xd1e000, size=31, end=0xd1e1f0, next=0xd1e200

p=0xd1e200, size=223, end=0xd1eff0, next=0xd1d400

p=0xd1d400, size=191, end=0xd1dff0, next=0x6050c0

fourth: 800 bytes (50 units) p=0xd20010

p=0x6050c0, size=0, end=0x6050c0, next=0xd20330 <-- dummy

p=0xd20330, size=204, end=0xd20ff0, next=0xd1d000

p=0xd1d000, size=63, end=0xd1d3f0, next=0xd1e000

p=0xd1e000, size=31, end=0xd1e1f0, next=0xd1e200

p=0xd1e200, size=223, end=0xd1eff0, next=0xd1d400

p=0xd1d400, size=191, end=0xd1dff0, next=0x6050c0

third free: p3 -> p=0xd1f010

p=0xd1d000, size=63, end=0xd1d3f0, next=0xd1e000

p=0xd1e000, size=31, end=0xd1e1f0, next=0xd1e200

p=0xd1e200, size=223, end=0xd1eff0, next=0xd1d400

p=0xd1d400, size=191, end=0xd1dff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd1f000 <-- dummy

p=0xd1f000, size=255, end=0xd1fff0, next=0xd20330

p=0xd20330, size=204, end=0xd20ff0, next=0xd1d000

fifth: 2032 bytes (127 units) p=0xd21010

p=0x6050c0, size=0, end=0x6050c0, next=0xd21800 <-- dummy

p=0xd21800, size=127, end=0xd21ff0, next=0xd1f000

p=0xd1f000, size=255, end=0xd1fff0, next=0xd20330

p=0xd20330, size=204, end=0xd20ff0, next=0xd1d000

p=0xd1d000, size=63, end=0xd1d3f0, next=0xd1e000

p=0xd1e000, size=31, end=0xd1e1f0, next=0xd1e200

p=0xd1e200, size=223, end=0xd1eff0, next=0xd1d400

p=0xd1d400, size=191, end=0xd1dff0, next=0x6050c0

fourth free: p4 -> p=0xd20010

p=0xd1f000, size=255, end=0xd1fff0, next=0xd20330

p=0xd20330, size=204, end=0xd20ff0, next=0xd1d000

p=0xd1d000, size=63, end=0xd1d3f0, next=0xd1e000

p=0xd1e000, size=31, end=0xd1e1f0, next=0xd1e200

p=0xd1e200, size=223, end=0xd1eff0, next=0xd1d400

p=0xd1d400, size=191, end=0xd1dff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd20000 <-- dummy

p=0xd20000, size=50, end=0xd20320, next=0xd21800

p=0xd21800, size=127, end=0xd21ff0, next=0xd1f000

fifth free: p5 -> p=0xd21010

p=0xd1f000, size=255, end=0xd1fff0, next=0xd20330

p=0xd20330, size=204, end=0xd20ff0, next=0xd1d000

p=0xd1d000, size=63, end=0xd1d3f0, next=0xd1e000

p=0xd1e000, size=31, end=0xd1e1f0, next=0xd1e200

p=0xd1e200, size=223, end=0xd1eff0, next=0xd1d400

p=0xd1d400, size=191, end=0xd1dff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd20000 <-- dummy

p=0xd20000, size=50, end=0xd20320, next=0xd21000

p=0xd21000, size=127, end=0xd217f0, next=0xd21800

p=0xd21800, size=127, end=0xd21ff0, next=0xd1f000

sixth: 576 bytes (36 units) p=0xd22010

p=0x6050c0, size=0, end=0x6050c0, next=0xd22250 <-- dummy

p=0xd22250, size=218, end=0xd22ff0, next=0xd20000

p=0xd20000, size=50, end=0xd20320, next=0xd21000

p=0xd21000, size=127, end=0xd217f0, next=0xd21800

p=0xd21800, size=127, end=0xd21ff0, next=0xd1f000

p=0xd1f000, size=255, end=0xd1fff0, next=0xd20330

p=0xd20330, size=204, end=0xd20ff0, next=0xd1d000

p=0xd1d000, size=63, end=0xd1d3f0, next=0xd1e000

p=0xd1e000, size=31, end=0xd1e1f0, next=0xd1e200

p=0xd1e200, size=223, end=0xd1eff0, next=0xd1d400

p=0xd1d400, size=191, end=0xd1dff0, next=0x6050c0

unit driver 5 has returned all memory to free list

p=0xd20000, size=50, end=0xd20320, next=0xd21000

p=0xd21000, size=127, end=0xd217f0, next=0xd21800

p=0xd21800, size=127, end=0xd21ff0, next=0xd1f000

p=0xd1f000, size=255, end=0xd1fff0, next=0xd20330

p=0xd20330, size=204, end=0xd20ff0, next=0xd1d000

p=0xd1d000, size=63, end=0xd1d3f0, next=0xd1e000

p=0xd1e000, size=31, end=0xd1e1f0, next=0xd1e200

p=0xd1e200, size=223, end=0xd1eff0, next=0xd1d400

p=0xd1d400, size=191, end=0xd1dff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd22000 <-- dummy

p=0xd22000, size=36, end=0xd22240, next=0xd22250

p=0xd22250, size=218, end=0xd22ff0, next=0xd20000

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 12

Min: 496

Max: 4080

Average: 2048

Total bytes in free list: 24576

Number of sbrk calls: 6

Number of requested pages: 6

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 5 -----

Seed: 19283

First-fit search policy starting at head using coalescing

----- Begin unit driver 5 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 1008 bytes (63 units) p=0x190a010

p=0x6050c0, size=0, end=0x6050c0, next=0x190a400 <-- dummy

p=0x190a400, size=191, end=0x190aff0, next=0x6050c0

second: 496 bytes (31 units) p=0x190b010

p=0x6050c0, size=0, end=0x6050c0, next=0x190b200 <-- dummy

p=0x190b200, size=223, end=0x190bff0, next=0x190a400

p=0x190a400, size=191, end=0x190aff0, next=0x6050c0

first free: p1 -> p=0x190a010

second free: p2 -> p=0x190b010

p=0x190a400, size=191, end=0x190aff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x190a000 <-- dummy

p=0x190a000, size=63, end=0x190a3f0, next=0x190b000

p=0x190b000, size=31, end=0x190b1f0, next=0x190b200

p=0x190b200, size=223, end=0x190bff0, next=0x190a400

third: 4080 bytes (255 units) p=0x190c010

p=0x6050c0, size=0, end=0x6050c0, next=0x190a000 <-- dummy

p=0x190a000, size=63, end=0x190a3f0, next=0x190b000

p=0x190b000, size=31, end=0x190b1f0, next=0x190b200

p=0x190b200, size=223, end=0x190bff0, next=0x190a400

p=0x190a400, size=191, end=0x190aff0, next=0x6050c0

fourth: 800 bytes (50 units) p=0x190d010

p=0x190b000, size=31, end=0x190b1f0, next=0x190d330

p=0x190d330, size=204, end=0x190dff0, next=0x190b200

p=0x190b200, size=223, end=0x190bff0, next=0x190a400

p=0x190a400, size=191, end=0x190aff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x190a000 <-- dummy

p=0x190a000, size=63, end=0x190a3f0, next=0x190b000

third free: p3 -> p=0x190c010

p=0x190b200, size=223, end=0x190bff0, next=0x190a400

p=0x190a400, size=191, end=0x190aff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x190a000 <-- dummy

p=0x190a000, size=63, end=0x190a3f0, next=0x190b000

p=0x190b000, size=31, end=0x190b1f0, next=0x190c000

p=0x190c000, size=255, end=0x190cff0, next=0x190d330

p=0x190d330, size=204, end=0x190dff0, next=0x190b200

fifth: 2032 bytes (127 units) p=0x190e010

p=0x190d330, size=204, end=0x190dff0, next=0x190e800

p=0x190e800, size=127, end=0x190eff0, next=0x190b200

p=0x190b200, size=223, end=0x190bff0, next=0x190a400

p=0x190a400, size=191, end=0x190aff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x190a000 <-- dummy

p=0x190a000, size=63, end=0x190a3f0, next=0x190b000

p=0x190b000, size=31, end=0x190b1f0, next=0x190c000

p=0x190c000, size=255, end=0x190cff0, next=0x190d330

fourth free: p4 -> p=0x190d010

p=0x190e800, size=127, end=0x190eff0, next=0x190b200

p=0x190b200, size=223, end=0x190bff0, next=0x190a400

p=0x190a400, size=191, end=0x190aff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x190a000 <-- dummy

p=0x190a000, size=63, end=0x190a3f0, next=0x190b000

p=0x190b000, size=31, end=0x190b1f0, next=0x190c000

p=0x190c000, size=255, end=0x190cff0, next=0x190d000

p=0x190d000, size=50, end=0x190d320, next=0x190d330

p=0x190d330, size=204, end=0x190dff0, next=0x190e800

fifth free: p5 -> p=0x190e010

p=0x190b200, size=223, end=0x190bff0, next=0x190a400

p=0x190a400, size=191, end=0x190aff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x190a000 <-- dummy

p=0x190a000, size=63, end=0x190a3f0, next=0x190b000

p=0x190b000, size=31, end=0x190b1f0, next=0x190c000

p=0x190c000, size=255, end=0x190cff0, next=0x190d000

p=0x190d000, size=50, end=0x190d320, next=0x190d330

p=0x190d330, size=204, end=0x190dff0, next=0x190e000

p=0x190e000, size=127, end=0x190e7f0, next=0x190e800

p=0x190e800, size=127, end=0x190eff0, next=0x190b200

sixth: 576 bytes (36 units) p=0x190f010

p=0x190b000, size=31, end=0x190b1f0, next=0x190f250

p=0x190f250, size=218, end=0x190fff0, next=0x190c000

p=0x190c000, size=255, end=0x190cff0, next=0x190d000

p=0x190d000, size=50, end=0x190d320, next=0x190d330

p=0x190d330, size=204, end=0x190dff0, next=0x190e000

p=0x190e000, size=127, end=0x190e7f0, next=0x190e800

p=0x190e800, size=127, end=0x190eff0, next=0x190b200

p=0x190b200, size=223, end=0x190bff0, next=0x190a400

p=0x190a400, size=191, end=0x190aff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x190a000 <-- dummy

p=0x190a000, size=63, end=0x190a3f0, next=0x190b000

unit driver 5 has returned all memory to free list

p=0x190c000, size=255, end=0x190cff0, next=0x190d000

p=0x190d000, size=50, end=0x190d320, next=0x190d330

p=0x190d330, size=204, end=0x190dff0, next=0x190e000

p=0x190e000, size=127, end=0x190e7f0, next=0x190e800

p=0x190e800, size=127, end=0x190eff0, next=0x190b200

p=0x190b200, size=223, end=0x190bff0, next=0x190a400

p=0x190a400, size=191, end=0x190aff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x190a000 <-- dummy

p=0x190a000, size=63, end=0x190a3f0, next=0x190b000

p=0x190b000, size=31, end=0x190b1f0, next=0x190f000

p=0x190f000, size=36, end=0x190f240, next=0x190f250

p=0x190f250, size=218, end=0x190fff0, next=0x190c000

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 12

Min: 496

Max: 4080

Average: 2048

Total bytes in free list: 24576

Number of sbrk calls: 6

Number of requested pages: 6

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 5 -----

Seed: 19283

Worst-fit search policy starting at head using coalescing

----- Begin unit driver 5 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 1008 bytes (63 units) p=0xd5e010

p=0x6050c0, size=0, end=0x6050c0, next=0xd5e400 <-- dummy

p=0xd5e400, size=191, end=0xd5eff0, next=0x6050c0

second: 496 bytes (31 units) p=0xd5f010

p=0x6050c0, size=0, end=0x6050c0, next=0xd5f200 <-- dummy

p=0xd5f200, size=223, end=0xd5fff0, next=0xd5e400

p=0xd5e400, size=191, end=0xd5eff0, next=0x6050c0

first free: p1 -> p=0xd5e010

second free: p2 -> p=0xd5f010

p=0xd5e400, size=191, end=0xd5eff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd5e000 <-- dummy

p=0xd5e000, size=63, end=0xd5e3f0, next=0xd5f000

p=0xd5f000, size=31, end=0xd5f1f0, next=0xd5f200

p=0xd5f200, size=223, end=0xd5fff0, next=0xd5e400

third: 4080 bytes (255 units) p=0xd60010

p=0x6050c0, size=0, end=0x6050c0, next=0xd5e000 <-- dummy

p=0xd5e000, size=63, end=0xd5e3f0, next=0xd5f000

p=0xd5f000, size=31, end=0xd5f1f0, next=0xd5f200

p=0xd5f200, size=223, end=0xd5fff0, next=0xd5e400

p=0xd5e400, size=191, end=0xd5eff0, next=0x6050c0

fourth: 800 bytes (50 units) p=0xd61010

p=0x6050c0, size=0, end=0x6050c0, next=0xd61330 <-- dummy

p=0xd61330, size=204, end=0xd61ff0, next=0xd5e000

p=0xd5e000, size=63, end=0xd5e3f0, next=0xd5f000

p=0xd5f000, size=31, end=0xd5f1f0, next=0xd5f200

p=0xd5f200, size=223, end=0xd5fff0, next=0xd5e400

p=0xd5e400, size=191, end=0xd5eff0, next=0x6050c0

third free: p3 -> p=0xd60010

p=0xd5e000, size=63, end=0xd5e3f0, next=0xd5f000

p=0xd5f000, size=31, end=0xd5f1f0, next=0xd5f200

p=0xd5f200, size=223, end=0xd5fff0, next=0xd5e400

p=0xd5e400, size=191, end=0xd5eff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd60000 <-- dummy

p=0xd60000, size=255, end=0xd60ff0, next=0xd61330

p=0xd61330, size=204, end=0xd61ff0, next=0xd5e000

fifth: 2032 bytes (127 units) p=0xd62010

p=0x6050c0, size=0, end=0x6050c0, next=0xd62800 <-- dummy

p=0xd62800, size=127, end=0xd62ff0, next=0xd60000

p=0xd60000, size=255, end=0xd60ff0, next=0xd61330

p=0xd61330, size=204, end=0xd61ff0, next=0xd5e000

p=0xd5e000, size=63, end=0xd5e3f0, next=0xd5f000

p=0xd5f000, size=31, end=0xd5f1f0, next=0xd5f200

p=0xd5f200, size=223, end=0xd5fff0, next=0xd5e400

p=0xd5e400, size=191, end=0xd5eff0, next=0x6050c0

fourth free: p4 -> p=0xd61010

p=0xd60000, size=255, end=0xd60ff0, next=0xd61330

p=0xd61330, size=204, end=0xd61ff0, next=0xd5e000

p=0xd5e000, size=63, end=0xd5e3f0, next=0xd5f000

p=0xd5f000, size=31, end=0xd5f1f0, next=0xd5f200

p=0xd5f200, size=223, end=0xd5fff0, next=0xd5e400

p=0xd5e400, size=191, end=0xd5eff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd61000 <-- dummy

p=0xd61000, size=50, end=0xd61320, next=0xd62800

p=0xd62800, size=127, end=0xd62ff0, next=0xd60000

fifth free: p5 -> p=0xd62010

p=0xd60000, size=255, end=0xd60ff0, next=0xd61330

p=0xd61330, size=204, end=0xd61ff0, next=0xd5e000

p=0xd5e000, size=63, end=0xd5e3f0, next=0xd5f000

p=0xd5f000, size=31, end=0xd5f1f0, next=0xd5f200

p=0xd5f200, size=223, end=0xd5fff0, next=0xd5e400

p=0xd5e400, size=191, end=0xd5eff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd61000 <-- dummy

p=0xd61000, size=50, end=0xd61320, next=0xd62000

p=0xd62000, size=127, end=0xd627f0, next=0xd62800

p=0xd62800, size=127, end=0xd62ff0, next=0xd60000

sixth: 576 bytes (36 units) p=0xd63010

p=0x6050c0, size=0, end=0x6050c0, next=0xd63250 <-- dummy

p=0xd63250, size=218, end=0xd63ff0, next=0xd61000

p=0xd61000, size=50, end=0xd61320, next=0xd62000

p=0xd62000, size=127, end=0xd627f0, next=0xd62800

p=0xd62800, size=127, end=0xd62ff0, next=0xd60000

p=0xd60000, size=255, end=0xd60ff0, next=0xd61330

p=0xd61330, size=204, end=0xd61ff0, next=0xd5e000

p=0xd5e000, size=63, end=0xd5e3f0, next=0xd5f000

p=0xd5f000, size=31, end=0xd5f1f0, next=0xd5f200

p=0xd5f200, size=223, end=0xd5fff0, next=0xd5e400

p=0xd5e400, size=191, end=0xd5eff0, next=0x6050c0

unit driver 5 has returned all memory to free list

p=0xd61000, size=50, end=0xd61320, next=0xd62000

p=0xd62000, size=127, end=0xd627f0, next=0xd62800

p=0xd62800, size=127, end=0xd62ff0, next=0xd60000

p=0xd60000, size=255, end=0xd60ff0, next=0xd61330

p=0xd61330, size=204, end=0xd61ff0, next=0xd5e000

p=0xd5e000, size=63, end=0xd5e3f0, next=0xd5f000

p=0xd5f000, size=31, end=0xd5f1f0, next=0xd5f200

p=0xd5f200, size=223, end=0xd5fff0, next=0xd5e400

p=0xd5e400, size=191, end=0xd5eff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd63000 <-- dummy

p=0xd63000, size=36, end=0xd63240, next=0xd63250

p=0xd63250, size=218, end=0xd63ff0, next=0xd61000

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 12

Min: 496

Max: 4080

Average: 2048

Total bytes in free list: 24576

Number of sbrk calls: 6

Number of requested pages: 6

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 5 -----

Seed: 19283

Best-fit search policy starting at head using coalescing

----- Begin unit driver 6 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 816 bytes (51 units) p=0x1920010

p=0x6050c0, size=0, end=0x6050c0, next=0x1920340 <-- dummy

p=0x1920340, size=203, end=0x1920ff0, next=0x6050c0

second: 672 bytes (42 units) p=0x1921010

p=0x6050c0, size=0, end=0x6050c0, next=0x19212b0 <-- dummy

p=0x19212b0, size=212, end=0x1921ff0, next=0x1920340

p=0x1920340, size=203, end=0x1920ff0, next=0x6050c0

third: 272 bytes (17 units) p=0x1922010

p=0x6050c0, size=0, end=0x6050c0, next=0x1922120 <-- dummy

p=0x1922120, size=237, end=0x1922ff0, next=0x19212b0

p=0x19212b0, size=212, end=0x1921ff0, next=0x1920340

p=0x1920340, size=203, end=0x1920ff0, next=0x6050c0

fourth: 256 bytes (16 units) p=0x1923010

p=0x6050c0, size=0, end=0x6050c0, next=0x1923110 <-- dummy

p=0x1923110, size=238, end=0x1923ff0, next=0x1922120

p=0x1922120, size=237, end=0x1922ff0, next=0x19212b0

p=0x19212b0, size=212, end=0x1921ff0, next=0x1920340

p=0x1920340, size=203, end=0x1920ff0, next=0x6050c0

First free of p3 (1/15) p=0x1922010

p=0x1922120, size=237, end=0x1922ff0, next=0x19212b0

p=0x19212b0, size=212, end=0x1921ff0, next=0x1920340

p=0x1920340, size=203, end=0x1920ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1922000 <-- dummy

p=0x1922000, size=17, end=0x1922110, next=0x1923110

p=0x1923110, size=238, end=0x1923ff0, next=0x1922120

Third free of p4 (1/16) p=0x1923010

p=0x1922120, size=237, end=0x1922ff0, next=0x19212b0

p=0x19212b0, size=212, end=0x1921ff0, next=0x1920340

p=0x1920340, size=203, end=0x1920ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1922000 <-- dummy

p=0x1922000, size=17, end=0x1922110, next=0x1923000

p=0x1923000, size=16, end=0x1923100, next=0x1923110

p=0x1923110, size=238, end=0x1923ff0, next=0x1922120

Memory is coalesced

Second free of p1 (1/5) p=0x1920010

p=0x1923000, size=16, end=0x1923100, next=0x1923110

p=0x1923110, size=238, end=0x1923ff0, next=0x1922120

p=0x1922120, size=237, end=0x1922ff0, next=0x19212b0

p=0x19212b0, size=212, end=0x1921ff0, next=0x1920340

p=0x1920340, size=203, end=0x1920ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1920000 <-- dummy

p=0x1920000, size=51, end=0x1920330, next=0x1922000

p=0x1922000, size=17, end=0x1922110, next=0x1923000

Third free of p2 (1/6) p=0x1921010

p=0x1923000, size=16, end=0x1923100, next=0x1923110

p=0x1923110, size=238, end=0x1923ff0, next=0x1922120

p=0x1922120, size=237, end=0x1922ff0, next=0x19212b0

p=0x19212b0, size=212, end=0x1921ff0, next=0x1920340

p=0x1920340, size=203, end=0x1920ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1920000 <-- dummy

p=0x1920000, size=51, end=0x1920330, next=0x1921000

p=0x1921000, size=42, end=0x19212a0, next=0x1922000

p=0x1922000, size=17, end=0x1922110, next=0x1923000

unit driver 6 has returned all memory to free list

p=0x1923000, size=16, end=0x1923100, next=0x1923110

p=0x1923110, size=238, end=0x1923ff0, next=0x1922120

p=0x1922120, size=237, end=0x1922ff0, next=0x19212b0

p=0x19212b0, size=212, end=0x1921ff0, next=0x1920340

p=0x1920340, size=203, end=0x1920ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1920000 <-- dummy

p=0x1920000, size=51, end=0x1920330, next=0x1921000

p=0x1921000, size=42, end=0x19212a0, next=0x1922000

p=0x1922000, size=17, end=0x1922110, next=0x1923000

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 9

Min: 256

Max: 3808

Average: 1820

Total bytes in free list: 16384

Number of sbrk calls: 4

Number of requested pages: 4

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 6 -----

Seed: 19283

First-fit search policy starting at head using coalescing

----- Begin unit driver 6 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 816 bytes (51 units) p=0x1736010

p=0x6050c0, size=0, end=0x6050c0, next=0x1736340 <-- dummy

p=0x1736340, size=203, end=0x1736ff0, next=0x6050c0

second: 672 bytes (42 units) p=0x1737010

p=0x6050c0, size=0, end=0x6050c0, next=0x17372b0 <-- dummy

p=0x17372b0, size=212, end=0x1737ff0, next=0x1736340

p=0x1736340, size=203, end=0x1736ff0, next=0x6050c0

third: 272 bytes (17 units) p=0x1738010

p=0x1736340, size=203, end=0x1736ff0, next=0x1738120

p=0x1738120, size=237, end=0x1738ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x17372b0 <-- dummy

p=0x17372b0, size=212, end=0x1737ff0, next=0x1736340

fourth: 256 bytes (16 units) p=0x1739010

p=0x1736340, size=203, end=0x1736ff0, next=0x1739110

p=0x1739110, size=238, end=0x1739ff0, next=0x1738120

p=0x1738120, size=237, end=0x1738ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x17372b0 <-- dummy

p=0x17372b0, size=212, end=0x1737ff0, next=0x1736340

First free of p3 (1/15) p=0x1738010

p=0x1738120, size=237, end=0x1738ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x17372b0 <-- dummy

p=0x17372b0, size=212, end=0x1737ff0, next=0x1736340

p=0x1736340, size=203, end=0x1736ff0, next=0x1738000

p=0x1738000, size=17, end=0x1738110, next=0x1739110

p=0x1739110, size=238, end=0x1739ff0, next=0x1738120

Third free of p4 (1/16) p=0x1739010

p=0x1738120, size=237, end=0x1738ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x17372b0 <-- dummy

p=0x17372b0, size=212, end=0x1737ff0, next=0x1736340

p=0x1736340, size=203, end=0x1736ff0, next=0x1738000

p=0x1738000, size=17, end=0x1738110, next=0x1739000

p=0x1739000, size=16, end=0x1739100, next=0x1739110

p=0x1739110, size=238, end=0x1739ff0, next=0x1738120

Memory is coalesced

Second free of p1 (1/5) p=0x1736010

p=0x1736340, size=203, end=0x1736ff0, next=0x1738000

p=0x1738000, size=17, end=0x1738110, next=0x1739000

p=0x1739000, size=16, end=0x1739100, next=0x1739110

p=0x1739110, size=238, end=0x1739ff0, next=0x1738120

p=0x1738120, size=237, end=0x1738ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1736000 <-- dummy

p=0x1736000, size=51, end=0x1736330, next=0x17372b0

p=0x17372b0, size=212, end=0x1737ff0, next=0x1736340

Third free of p2 (1/6) p=0x1737010

p=0x1736340, size=203, end=0x1736ff0, next=0x1738000

p=0x1738000, size=17, end=0x1738110, next=0x1739000

p=0x1739000, size=16, end=0x1739100, next=0x1739110

p=0x1739110, size=238, end=0x1739ff0, next=0x1738120

p=0x1738120, size=237, end=0x1738ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1736000 <-- dummy

p=0x1736000, size=51, end=0x1736330, next=0x1737000

p=0x1737000, size=42, end=0x17372a0, next=0x17372b0

p=0x17372b0, size=212, end=0x1737ff0, next=0x1736340

unit driver 6 has returned all memory to free list

p=0x1736340, size=203, end=0x1736ff0, next=0x1738000

p=0x1738000, size=17, end=0x1738110, next=0x1739000

p=0x1739000, size=16, end=0x1739100, next=0x1739110

p=0x1739110, size=238, end=0x1739ff0, next=0x1738120

p=0x1738120, size=237, end=0x1738ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1736000 <-- dummy

p=0x1736000, size=51, end=0x1736330, next=0x1737000

p=0x1737000, size=42, end=0x17372a0, next=0x17372b0

p=0x17372b0, size=212, end=0x1737ff0, next=0x1736340

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 9

Min: 256

Max: 3808

Average: 1820

Total bytes in free list: 16384

Number of sbrk calls: 4

Number of requested pages: 4

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 6 -----

Seed: 19283

Worst-fit search policy starting at head using coalescing

----- Begin unit driver 6 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 816 bytes (51 units) p=0x12f0010

p=0x6050c0, size=0, end=0x6050c0, next=0x12f0340 <-- dummy

p=0x12f0340, size=203, end=0x12f0ff0, next=0x6050c0

second: 672 bytes (42 units) p=0x12f1010

p=0x6050c0, size=0, end=0x6050c0, next=0x12f12b0 <-- dummy

p=0x12f12b0, size=212, end=0x12f1ff0, next=0x12f0340

p=0x12f0340, size=203, end=0x12f0ff0, next=0x6050c0

third: 272 bytes (17 units) p=0x12f2010

p=0x6050c0, size=0, end=0x6050c0, next=0x12f2120 <-- dummy

p=0x12f2120, size=237, end=0x12f2ff0, next=0x12f12b0

p=0x12f12b0, size=212, end=0x12f1ff0, next=0x12f0340

p=0x12f0340, size=203, end=0x12f0ff0, next=0x6050c0

fourth: 256 bytes (16 units) p=0x12f3010

p=0x6050c0, size=0, end=0x6050c0, next=0x12f3110 <-- dummy

p=0x12f3110, size=238, end=0x12f3ff0, next=0x12f2120

p=0x12f2120, size=237, end=0x12f2ff0, next=0x12f12b0

p=0x12f12b0, size=212, end=0x12f1ff0, next=0x12f0340

p=0x12f0340, size=203, end=0x12f0ff0, next=0x6050c0

First free of p3 (1/15) p=0x12f2010

p=0x12f2120, size=237, end=0x12f2ff0, next=0x12f12b0

p=0x12f12b0, size=212, end=0x12f1ff0, next=0x12f0340

p=0x12f0340, size=203, end=0x12f0ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x12f2000 <-- dummy

p=0x12f2000, size=17, end=0x12f2110, next=0x12f3110

p=0x12f3110, size=238, end=0x12f3ff0, next=0x12f2120

Third free of p4 (1/16) p=0x12f3010

p=0x12f2120, size=237, end=0x12f2ff0, next=0x12f12b0

p=0x12f12b0, size=212, end=0x12f1ff0, next=0x12f0340

p=0x12f0340, size=203, end=0x12f0ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x12f2000 <-- dummy

p=0x12f2000, size=17, end=0x12f2110, next=0x12f3000

p=0x12f3000, size=16, end=0x12f3100, next=0x12f3110

p=0x12f3110, size=238, end=0x12f3ff0, next=0x12f2120

Memory is coalesced

Second free of p1 (1/5) p=0x12f0010

p=0x12f3000, size=16, end=0x12f3100, next=0x12f3110

p=0x12f3110, size=238, end=0x12f3ff0, next=0x12f2120

p=0x12f2120, size=237, end=0x12f2ff0, next=0x12f12b0

p=0x12f12b0, size=212, end=0x12f1ff0, next=0x12f0340

p=0x12f0340, size=203, end=0x12f0ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x12f0000 <-- dummy

p=0x12f0000, size=51, end=0x12f0330, next=0x12f2000

p=0x12f2000, size=17, end=0x12f2110, next=0x12f3000

Third free of p2 (1/6) p=0x12f1010

p=0x12f3000, size=16, end=0x12f3100, next=0x12f3110

p=0x12f3110, size=238, end=0x12f3ff0, next=0x12f2120

p=0x12f2120, size=237, end=0x12f2ff0, next=0x12f12b0

p=0x12f12b0, size=212, end=0x12f1ff0, next=0x12f0340

p=0x12f0340, size=203, end=0x12f0ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x12f0000 <-- dummy

p=0x12f0000, size=51, end=0x12f0330, next=0x12f1000

p=0x12f1000, size=42, end=0x12f12a0, next=0x12f2000

p=0x12f2000, size=17, end=0x12f2110, next=0x12f3000

unit driver 6 has returned all memory to free list

p=0x12f3000, size=16, end=0x12f3100, next=0x12f3110

p=0x12f3110, size=238, end=0x12f3ff0, next=0x12f2120

p=0x12f2120, size=237, end=0x12f2ff0, next=0x12f12b0

p=0x12f12b0, size=212, end=0x12f1ff0, next=0x12f0340

p=0x12f0340, size=203, end=0x12f0ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x12f0000 <-- dummy

p=0x12f0000, size=51, end=0x12f0330, next=0x12f1000

p=0x12f1000, size=42, end=0x12f12a0, next=0x12f2000

p=0x12f2000, size=17, end=0x12f2110, next=0x12f3000

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 9

Min: 256

Max: 3808

Average: 1820

Total bytes in free list: 16384

Number of sbrk calls: 4

Number of requested pages: 4

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 6 -----

Seed: 19283

Best-fit search policy starting at head without coalescing

----- Begin unit driver 0 -----

string length=15

:hello world 15c:

Free list after first allocation

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 2

Min: 4048

Max: 4048

Average: 2032

Total bytes in free list: 4064

Number of sbrk calls: 1

Number of requested pages: 1

Heap status: heap is in-use -- leaks are possible

p=0x6050c0, size=0, end=0x6050c0, next=0x951020 <-- dummy

p=0x951020, size=253, end=0x951ff0, next=0x6050c0

Free list after first free

unit driver 0 has returned all memory to free list

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 3

Min: 16

Max: 4048

Average: 1365

Total bytes in free list: 4096

Number of sbrk calls: 1

Number of requested pages: 1

Heap status: all memory is in the heap -- no leaks are possible

p=0x6050c0, size=0, end=0x6050c0, next=0x951000 <-- dummy

p=0x951000, size=1, end=0x951010, next=0x951020

p=0x951020, size=253, end=0x951ff0, next=0x6050c0

----- End unit driver 0 -----

Seed: 19283

First-fit search policy starting at head without coalescing

----- Begin unit driver 0 -----

string length=15

:hello world 15c:

Free list after first allocation

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 2

Min: 4048

Max: 4048

Average: 2032

Total bytes in free list: 4064

Number of sbrk calls: 1

Number of requested pages: 1

Heap status: heap is in-use -- leaks are possible

p=0x6050c0, size=0, end=0x6050c0, next=0x1f1a020 <-- dummy

p=0x1f1a020, size=253, end=0x1f1aff0, next=0x6050c0

Free list after first free

unit driver 0 has returned all memory to free list

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 3

Min: 16

Max: 4048

Average: 1365

Total bytes in free list: 4096

Number of sbrk calls: 1

Number of requested pages: 1

Heap status: all memory is in the heap -- no leaks are possible

p=0x6050c0, size=0, end=0x6050c0, next=0x1f1a000 <-- dummy

p=0x1f1a000, size=1, end=0x1f1a010, next=0x1f1a020

p=0x1f1a020, size=253, end=0x1f1aff0, next=0x6050c0

----- End unit driver 0 -----

Seed: 19283

Worst-fit search policy starting at head without coalescing

----- Begin unit driver 0 -----

string length=15

:hello world 15c:

Free list after first allocation

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 2

Min: 4048

Max: 4048

Average: 2032

Total bytes in free list: 4064

Number of sbrk calls: 1

Number of requested pages: 1

Heap status: heap is in-use -- leaks are possible

p=0x6050c0, size=0, end=0x6050c0, next=0x1b73020 <-- dummy

p=0x1b73020, size=253, end=0x1b73ff0, next=0x6050c0

Free list after first free

unit driver 0 has returned all memory to free list

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 3

Min: 16

Max: 4048

Average: 1365

Total bytes in free list: 4096

Number of sbrk calls: 1

Number of requested pages: 1

Heap status: all memory is in the heap -- no leaks are possible

p=0x6050c0, size=0, end=0x6050c0, next=0x1b73000 <-- dummy

p=0x1b73000, size=1, end=0x1b73010, next=0x1b73020

p=0x1b73020, size=253, end=0x1b73ff0, next=0x6050c0

----- End unit driver 0 -----

Seed: 19283

Best-fit search policy starting at head without coalescing

----- Begin unit driver 1 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 496 bytes (31 units) p=0x769010

p=0x6050c0, size=0, end=0x6050c0, next=0x769200 <-- dummy

p=0x769200, size=223, end=0x769ff0, next=0x6050c0

second: 2032 bytes (127 units) p=0x76a010

p=0x6050c0, size=0, end=0x6050c0, next=0x76a800 <-- dummy

p=0x76a800, size=127, end=0x76aff0, next=0x769200

p=0x769200, size=223, end=0x769ff0, next=0x6050c0

third: 1520 bytes (95 units) p=0x76b010

p=0x6050c0, size=0, end=0x6050c0, next=0x76b600 <-- dummy

p=0x76b600, size=159, end=0x76bff0, next=0x76a800

p=0x76a800, size=127, end=0x76aff0, next=0x769200

p=0x769200, size=223, end=0x769ff0, next=0x6050c0

unit driver 1: above Mem\_print shows empty free list

fourth: 1008 bytes (63 units) p=0x76c010

p=0x6050c0, size=0, end=0x6050c0, next=0x76c400 <-- dummy

p=0x76c400, size=191, end=0x76cff0, next=0x76b600

p=0x76b600, size=159, end=0x76bff0, next=0x76a800

p=0x76a800, size=127, end=0x76aff0, next=0x769200

p=0x769200, size=223, end=0x769ff0, next=0x6050c0

first free of 1/8 a page p=0x769010

p=0x6050c0, size=0, end=0x6050c0, next=0x769000 <-- dummy

p=0x769000, size=31, end=0x7691f0, next=0x76c400

p=0x76c400, size=191, end=0x76cff0, next=0x76b600

p=0x76b600, size=159, end=0x76bff0, next=0x76a800

p=0x76a800, size=127, end=0x76aff0, next=0x769200

p=0x769200, size=223, end=0x769ff0, next=0x6050c0

second free of 3/8 a page p=0x76b010

p=0x6050c0, size=0, end=0x6050c0, next=0x76b000 <-- dummy

p=0x76b000, size=95, end=0x76b5f0, next=0x769000

p=0x769000, size=31, end=0x7691f0, next=0x76c400

p=0x76c400, size=191, end=0x76cff0, next=0x76b600

p=0x76b600, size=159, end=0x76bff0, next=0x76a800

p=0x76a800, size=127, end=0x76aff0, next=0x769200

p=0x769200, size=223, end=0x769ff0, next=0x6050c0

third free of 1/2 a page p=0x76a010

p=0x6050c0, size=0, end=0x6050c0, next=0x76a000 <-- dummy

p=0x76a000, size=127, end=0x76a7f0, next=0x76b000

p=0x76b000, size=95, end=0x76b5f0, next=0x769000

p=0x769000, size=31, end=0x7691f0, next=0x76c400

p=0x76c400, size=191, end=0x76cff0, next=0x76b600

p=0x76b600, size=159, end=0x76bff0, next=0x76a800

p=0x76a800, size=127, end=0x76aff0, next=0x769200

p=0x769200, size=223, end=0x769ff0, next=0x6050c0

fourth free of 1/4 a page p=0x76c010

unit driver 1 has returned all memory to free list

p=0x6050c0, size=0, end=0x6050c0, next=0x76c000 <-- dummy

p=0x76c000, size=63, end=0x76c3f0, next=0x76a000

p=0x76a000, size=127, end=0x76a7f0, next=0x76b000

p=0x76b000, size=95, end=0x76b5f0, next=0x769000

p=0x769000, size=31, end=0x7691f0, next=0x76c400

p=0x76c400, size=191, end=0x76cff0, next=0x76b600

p=0x76b600, size=159, end=0x76bff0, next=0x76a800

p=0x76a800, size=127, end=0x76aff0, next=0x769200

p=0x769200, size=223, end=0x769ff0, next=0x6050c0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 9

Min: 496

Max: 3568

Average: 1820

Total bytes in free list: 16384

Number of sbrk calls: 4

Number of requested pages: 4

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 1 -----

Seed: 19283

First-fit search policy starting at head without coalescing

----- Begin unit driver 1 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 496 bytes (31 units) p=0x1d9d010

p=0x6050c0, size=0, end=0x6050c0, next=0x1d9d200 <-- dummy

p=0x1d9d200, size=223, end=0x1d9dff0, next=0x6050c0

second: 2032 bytes (127 units) p=0x1d9e010

p=0x6050c0, size=0, end=0x6050c0, next=0x1d9e800 <-- dummy

p=0x1d9e800, size=127, end=0x1d9eff0, next=0x1d9d200

p=0x1d9d200, size=223, end=0x1d9dff0, next=0x6050c0

third: 1520 bytes (95 units) p=0x1d9f010

p=0x1d9d200, size=223, end=0x1d9dff0, next=0x1d9f600

p=0x1d9f600, size=159, end=0x1d9fff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1d9e800 <-- dummy

p=0x1d9e800, size=127, end=0x1d9eff0, next=0x1d9d200

unit driver 1: above Mem\_print shows empty free list

fourth: 1008 bytes (63 units) p=0x1da0010

p=0x1d9d200, size=223, end=0x1d9dff0, next=0x1da0400

p=0x1da0400, size=191, end=0x1da0ff0, next=0x1d9f600

p=0x1d9f600, size=159, end=0x1d9fff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1d9e800 <-- dummy

p=0x1d9e800, size=127, end=0x1d9eff0, next=0x1d9d200

first free of 1/8 a page p=0x1d9d010

p=0x1d9d200, size=223, end=0x1d9dff0, next=0x1d9d000

p=0x1d9d000, size=31, end=0x1d9d1f0, next=0x1da0400

p=0x1da0400, size=191, end=0x1da0ff0, next=0x1d9f600

p=0x1d9f600, size=159, end=0x1d9fff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1d9e800 <-- dummy

p=0x1d9e800, size=127, end=0x1d9eff0, next=0x1d9d200

second free of 3/8 a page p=0x1d9f010

p=0x1d9d200, size=223, end=0x1d9dff0, next=0x1d9f000

p=0x1d9f000, size=95, end=0x1d9f5f0, next=0x1d9d000

p=0x1d9d000, size=31, end=0x1d9d1f0, next=0x1da0400

p=0x1da0400, size=191, end=0x1da0ff0, next=0x1d9f600

p=0x1d9f600, size=159, end=0x1d9fff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1d9e800 <-- dummy

p=0x1d9e800, size=127, end=0x1d9eff0, next=0x1d9d200

third free of 1/2 a page p=0x1d9e010

p=0x1d9d200, size=223, end=0x1d9dff0, next=0x1d9e000

p=0x1d9e000, size=127, end=0x1d9e7f0, next=0x1d9f000

p=0x1d9f000, size=95, end=0x1d9f5f0, next=0x1d9d000

p=0x1d9d000, size=31, end=0x1d9d1f0, next=0x1da0400

p=0x1da0400, size=191, end=0x1da0ff0, next=0x1d9f600

p=0x1d9f600, size=159, end=0x1d9fff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1d9e800 <-- dummy

p=0x1d9e800, size=127, end=0x1d9eff0, next=0x1d9d200

fourth free of 1/4 a page p=0x1da0010

unit driver 1 has returned all memory to free list

p=0x1d9d200, size=223, end=0x1d9dff0, next=0x1da0000

p=0x1da0000, size=63, end=0x1da03f0, next=0x1d9e000

p=0x1d9e000, size=127, end=0x1d9e7f0, next=0x1d9f000

p=0x1d9f000, size=95, end=0x1d9f5f0, next=0x1d9d000

p=0x1d9d000, size=31, end=0x1d9d1f0, next=0x1da0400

p=0x1da0400, size=191, end=0x1da0ff0, next=0x1d9f600

p=0x1d9f600, size=159, end=0x1d9fff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x1d9e800 <-- dummy

p=0x1d9e800, size=127, end=0x1d9eff0, next=0x1d9d200

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 9

Min: 496

Max: 3568

Average: 1820

Total bytes in free list: 16384

Number of sbrk calls: 4

Number of requested pages: 4

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 1 -----

Seed: 19283

Worst-fit search policy starting at head without coalescing

----- Begin unit driver 1 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 496 bytes (31 units) p=0x10c4010

p=0x6050c0, size=0, end=0x6050c0, next=0x10c4200 <-- dummy

p=0x10c4200, size=223, end=0x10c4ff0, next=0x6050c0

second: 2032 bytes (127 units) p=0x10c5010

p=0x6050c0, size=0, end=0x6050c0, next=0x10c5800 <-- dummy

p=0x10c5800, size=127, end=0x10c5ff0, next=0x10c4200

p=0x10c4200, size=223, end=0x10c4ff0, next=0x6050c0

third: 1520 bytes (95 units) p=0x10c6010

p=0x6050c0, size=0, end=0x6050c0, next=0x10c6600 <-- dummy

p=0x10c6600, size=159, end=0x10c6ff0, next=0x10c5800

p=0x10c5800, size=127, end=0x10c5ff0, next=0x10c4200

p=0x10c4200, size=223, end=0x10c4ff0, next=0x6050c0

unit driver 1: above Mem\_print shows empty free list

fourth: 1008 bytes (63 units) p=0x10c7010

p=0x6050c0, size=0, end=0x6050c0, next=0x10c7400 <-- dummy

p=0x10c7400, size=191, end=0x10c7ff0, next=0x10c6600

p=0x10c6600, size=159, end=0x10c6ff0, next=0x10c5800

p=0x10c5800, size=127, end=0x10c5ff0, next=0x10c4200

p=0x10c4200, size=223, end=0x10c4ff0, next=0x6050c0

first free of 1/8 a page p=0x10c4010

p=0x6050c0, size=0, end=0x6050c0, next=0x10c4000 <-- dummy

p=0x10c4000, size=31, end=0x10c41f0, next=0x10c7400

p=0x10c7400, size=191, end=0x10c7ff0, next=0x10c6600

p=0x10c6600, size=159, end=0x10c6ff0, next=0x10c5800

p=0x10c5800, size=127, end=0x10c5ff0, next=0x10c4200

p=0x10c4200, size=223, end=0x10c4ff0, next=0x6050c0

second free of 3/8 a page p=0x10c6010

p=0x6050c0, size=0, end=0x6050c0, next=0x10c6000 <-- dummy

p=0x10c6000, size=95, end=0x10c65f0, next=0x10c4000

p=0x10c4000, size=31, end=0x10c41f0, next=0x10c7400

p=0x10c7400, size=191, end=0x10c7ff0, next=0x10c6600

p=0x10c6600, size=159, end=0x10c6ff0, next=0x10c5800

p=0x10c5800, size=127, end=0x10c5ff0, next=0x10c4200

p=0x10c4200, size=223, end=0x10c4ff0, next=0x6050c0

third free of 1/2 a page p=0x10c5010

p=0x6050c0, size=0, end=0x6050c0, next=0x10c5000 <-- dummy

p=0x10c5000, size=127, end=0x10c57f0, next=0x10c6000

p=0x10c6000, size=95, end=0x10c65f0, next=0x10c4000

p=0x10c4000, size=31, end=0x10c41f0, next=0x10c7400

p=0x10c7400, size=191, end=0x10c7ff0, next=0x10c6600

p=0x10c6600, size=159, end=0x10c6ff0, next=0x10c5800

p=0x10c5800, size=127, end=0x10c5ff0, next=0x10c4200

p=0x10c4200, size=223, end=0x10c4ff0, next=0x6050c0

fourth free of 1/4 a page p=0x10c7010

unit driver 1 has returned all memory to free list

p=0x6050c0, size=0, end=0x6050c0, next=0x10c7000 <-- dummy

p=0x10c7000, size=63, end=0x10c73f0, next=0x10c5000

p=0x10c5000, size=127, end=0x10c57f0, next=0x10c6000

p=0x10c6000, size=95, end=0x10c65f0, next=0x10c4000

p=0x10c4000, size=31, end=0x10c41f0, next=0x10c7400

p=0x10c7400, size=191, end=0x10c7ff0, next=0x10c6600

p=0x10c6600, size=159, end=0x10c6ff0, next=0x10c5800

p=0x10c5800, size=127, end=0x10c5ff0, next=0x10c4200

p=0x10c4200, size=223, end=0x10c4ff0, next=0x6050c0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 9

Min: 496

Max: 3568

Average: 1820

Total bytes in free list: 16384

Number of sbrk calls: 4

Number of requested pages: 4

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 1 -----

Seed: 19283

Best-fit search policy starting at head without coalescing

----- Begin unit driver 2 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 496 bytes (31 units) p=0xaac010

p=0x6050c0, size=0, end=0x6050c0, next=0xaac200 <-- dummy

p=0xaac200, size=223, end=0xaacff0, next=0x6050c0

second: 1520 bytes (95 units) p=0xaad010

p=0x6050c0, size=0, end=0x6050c0, next=0xaad600 <-- dummy

p=0xaad600, size=159, end=0xaadff0, next=0xaac200

p=0xaac200, size=223, end=0xaacff0, next=0x6050c0

third: 1008 bytes (63 units) p=0xaae010

p=0x6050c0, size=0, end=0x6050c0, next=0xaae400 <-- dummy

p=0xaae400, size=191, end=0xaaeff0, next=0xaad600

p=0xaad600, size=159, end=0xaadff0, next=0xaac200

p=0xaac200, size=223, end=0xaacff0, next=0x6050c0

fourth: 1008 bytes (63 units) p=0xaaf010

p=0x6050c0, size=0, end=0x6050c0, next=0xaaf400 <-- dummy

p=0xaaf400, size=191, end=0xaafff0, next=0xaae400

p=0xaae400, size=191, end=0xaaeff0, next=0xaad600

p=0xaad600, size=159, end=0xaadff0, next=0xaac200

p=0xaac200, size=223, end=0xaacff0, next=0x6050c0

first free of p2 (3/8): 0xaad010

p=0x6050c0, size=0, end=0x6050c0, next=0xaad000 <-- dummy

p=0xaad000, size=95, end=0xaad5f0, next=0xaaf400

p=0xaaf400, size=191, end=0xaafff0, next=0xaae400

p=0xaae400, size=191, end=0xaaeff0, next=0xaad600

p=0xaad600, size=159, end=0xaadff0, next=0xaac200

p=0xaac200, size=223, end=0xaacff0, next=0x6050c0

second free of p4 (1/4): 0xaaf010

p=0x6050c0, size=0, end=0x6050c0, next=0xaaf000 <-- dummy

p=0xaaf000, size=63, end=0xaaf3f0, next=0xaad000

p=0xaad000, size=95, end=0xaad5f0, next=0xaaf400

p=0xaaf400, size=191, end=0xaafff0, next=0xaae400

p=0xaae400, size=191, end=0xaaeff0, next=0xaad600

p=0xaad600, size=159, end=0xaadff0, next=0xaac200

p=0xaac200, size=223, end=0xaacff0, next=0x6050c0

first: 1008 bytes (63 units) p=0xab0010

p=0xaad000, size=95, end=0xaad5f0, next=0xab0400

p=0xab0400, size=191, end=0xab0ff0, next=0xaaf400

p=0xaaf400, size=191, end=0xaafff0, next=0xaae400

p=0xaae400, size=191, end=0xaaeff0, next=0xaad600

p=0xaad600, size=159, end=0xaadff0, next=0xaac200

p=0xaac200, size=223, end=0xaacff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xaaf000 <-- dummy

p=0xaaf000, size=63, end=0xaaf3f0, next=0xaad000

first free of 1/8 a page p=0xaac010

p=0xaad000, size=95, end=0xaad5f0, next=0xaac000

p=0xaac000, size=31, end=0xaac1f0, next=0xab0400

p=0xab0400, size=191, end=0xab0ff0, next=0xaaf400

p=0xaaf400, size=191, end=0xaafff0, next=0xaae400

p=0xaae400, size=191, end=0xaaeff0, next=0xaad600

p=0xaad600, size=159, end=0xaadff0, next=0xaac200

p=0xaac200, size=223, end=0xaacff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xaaf000 <-- dummy

p=0xaaf000, size=63, end=0xaaf3f0, next=0xaad000

second free of a 1/4 page p=0xab0010

p=0xaad000, size=95, end=0xaad5f0, next=0xab0000

p=0xab0000, size=63, end=0xab03f0, next=0xaac000

p=0xaac000, size=31, end=0xaac1f0, next=0xab0400

p=0xab0400, size=191, end=0xab0ff0, next=0xaaf400

p=0xaaf400, size=191, end=0xaafff0, next=0xaae400

p=0xaae400, size=191, end=0xaaeff0, next=0xaad600

p=0xaad600, size=159, end=0xaadff0, next=0xaac200

p=0xaac200, size=223, end=0xaacff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xaaf000 <-- dummy

p=0xaaf000, size=63, end=0xaaf3f0, next=0xaad000

third free of a 1/4 page p=0xaaf010

p=0xaad000, size=95, end=0xaad5f0, next=0xaae000

p=0xaae000, size=63, end=0xaae3f0, next=0xab0000

p=0xab0000, size=63, end=0xab03f0, next=0xaac000

p=0xaac000, size=31, end=0xaac1f0, next=0xab0400

p=0xab0400, size=191, end=0xab0ff0, next=0xaaf400

p=0xaaf400, size=191, end=0xaafff0, next=0xaae400

p=0xaae400, size=191, end=0xaaeff0, next=0xaad600

p=0xaad600, size=159, end=0xaadff0, next=0xaac200

p=0xaac200, size=223, end=0xaacff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xaaf000 <-- dummy

p=0xaaf000, size=63, end=0xaaf3f0, next=0xaad000

unit driver 2 has returned all memory to free list

p=0xaad000, size=95, end=0xaad5f0, next=0xaae000

p=0xaae000, size=63, end=0xaae3f0, next=0xab0000

p=0xab0000, size=63, end=0xab03f0, next=0xaac000

p=0xaac000, size=31, end=0xaac1f0, next=0xab0400

p=0xab0400, size=191, end=0xab0ff0, next=0xaaf400

p=0xaaf400, size=191, end=0xaafff0, next=0xaae400

p=0xaae400, size=191, end=0xaaeff0, next=0xaad600

p=0xaad600, size=159, end=0xaadff0, next=0xaac200

p=0xaac200, size=223, end=0xaacff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xaaf000 <-- dummy

p=0xaaf000, size=63, end=0xaaf3f0, next=0xaad000

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 11

Min: 496

Max: 3568

Average: 1861

Total bytes in free list: 20480

Number of sbrk calls: 5

Number of requested pages: 5

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 2 -----

Seed: 19283

First-fit search policy starting at head without coalescing

----- Begin unit driver 2 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 496 bytes (31 units) p=0x2339010

p=0x6050c0, size=0, end=0x6050c0, next=0x2339200 <-- dummy

p=0x2339200, size=223, end=0x2339ff0, next=0x6050c0

second: 1520 bytes (95 units) p=0x233a010

p=0x6050c0, size=0, end=0x6050c0, next=0x233a600 <-- dummy

p=0x233a600, size=159, end=0x233aff0, next=0x2339200

p=0x2339200, size=223, end=0x2339ff0, next=0x6050c0

third: 1008 bytes (63 units) p=0x233b010

p=0x2339200, size=223, end=0x2339ff0, next=0x233b400

p=0x233b400, size=191, end=0x233bff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x233a600 <-- dummy

p=0x233a600, size=159, end=0x233aff0, next=0x2339200

fourth: 1008 bytes (63 units) p=0x233c010

p=0x2339200, size=223, end=0x2339ff0, next=0x233c400

p=0x233c400, size=191, end=0x233cff0, next=0x233b400

p=0x233b400, size=191, end=0x233bff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x233a600 <-- dummy

p=0x233a600, size=159, end=0x233aff0, next=0x2339200

first free of p2 (3/8): 0x233a010

p=0x2339200, size=223, end=0x2339ff0, next=0x233a000

p=0x233a000, size=95, end=0x233a5f0, next=0x233c400

p=0x233c400, size=191, end=0x233cff0, next=0x233b400

p=0x233b400, size=191, end=0x233bff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x233a600 <-- dummy

p=0x233a600, size=159, end=0x233aff0, next=0x2339200

second free of p4 (1/4): 0x233c010

p=0x2339200, size=223, end=0x2339ff0, next=0x233c000

p=0x233c000, size=63, end=0x233c3f0, next=0x233a000

p=0x233a000, size=95, end=0x233a5f0, next=0x233c400

p=0x233c400, size=191, end=0x233cff0, next=0x233b400

p=0x233b400, size=191, end=0x233bff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x233a600 <-- dummy

p=0x233a600, size=159, end=0x233aff0, next=0x2339200

first: 1008 bytes (63 units) p=0x233d010

p=0x2339200, size=223, end=0x2339ff0, next=0x233d400

p=0x233d400, size=191, end=0x233dff0, next=0x233c000

p=0x233c000, size=63, end=0x233c3f0, next=0x233a000

p=0x233a000, size=95, end=0x233a5f0, next=0x233c400

p=0x233c400, size=191, end=0x233cff0, next=0x233b400

p=0x233b400, size=191, end=0x233bff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x233a600 <-- dummy

p=0x233a600, size=159, end=0x233aff0, next=0x2339200

first free of 1/8 a page p=0x2339010

p=0x2339200, size=223, end=0x2339ff0, next=0x2339000

p=0x2339000, size=31, end=0x23391f0, next=0x233d400

p=0x233d400, size=191, end=0x233dff0, next=0x233c000

p=0x233c000, size=63, end=0x233c3f0, next=0x233a000

p=0x233a000, size=95, end=0x233a5f0, next=0x233c400

p=0x233c400, size=191, end=0x233cff0, next=0x233b400

p=0x233b400, size=191, end=0x233bff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x233a600 <-- dummy

p=0x233a600, size=159, end=0x233aff0, next=0x2339200

second free of a 1/4 page p=0x233d010

p=0x2339200, size=223, end=0x2339ff0, next=0x233d000

p=0x233d000, size=63, end=0x233d3f0, next=0x2339000

p=0x2339000, size=31, end=0x23391f0, next=0x233d400

p=0x233d400, size=191, end=0x233dff0, next=0x233c000

p=0x233c000, size=63, end=0x233c3f0, next=0x233a000

p=0x233a000, size=95, end=0x233a5f0, next=0x233c400

p=0x233c400, size=191, end=0x233cff0, next=0x233b400

p=0x233b400, size=191, end=0x233bff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x233a600 <-- dummy

p=0x233a600, size=159, end=0x233aff0, next=0x2339200

third free of a 1/4 page p=0x233c010

p=0x2339200, size=223, end=0x2339ff0, next=0x233b000

p=0x233b000, size=63, end=0x233b3f0, next=0x233d000

p=0x233d000, size=63, end=0x233d3f0, next=0x2339000

p=0x2339000, size=31, end=0x23391f0, next=0x233d400

p=0x233d400, size=191, end=0x233dff0, next=0x233c000

p=0x233c000, size=63, end=0x233c3f0, next=0x233a000

p=0x233a000, size=95, end=0x233a5f0, next=0x233c400

p=0x233c400, size=191, end=0x233cff0, next=0x233b400

p=0x233b400, size=191, end=0x233bff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x233a600 <-- dummy

p=0x233a600, size=159, end=0x233aff0, next=0x2339200

unit driver 2 has returned all memory to free list

p=0x2339200, size=223, end=0x2339ff0, next=0x233b000

p=0x233b000, size=63, end=0x233b3f0, next=0x233d000

p=0x233d000, size=63, end=0x233d3f0, next=0x2339000

p=0x2339000, size=31, end=0x23391f0, next=0x233d400

p=0x233d400, size=191, end=0x233dff0, next=0x233c000

p=0x233c000, size=63, end=0x233c3f0, next=0x233a000

p=0x233a000, size=95, end=0x233a5f0, next=0x233c400

p=0x233c400, size=191, end=0x233cff0, next=0x233b400

p=0x233b400, size=191, end=0x233bff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x233a600 <-- dummy

p=0x233a600, size=159, end=0x233aff0, next=0x2339200

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 11

Min: 496

Max: 3568

Average: 1861

Total bytes in free list: 20480

Number of sbrk calls: 5

Number of requested pages: 5

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 2 -----

Seed: 19283

Worst-fit search policy starting at head without coalescing

----- Begin unit driver 2 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 496 bytes (31 units) p=0x1894010

p=0x6050c0, size=0, end=0x6050c0, next=0x1894200 <-- dummy

p=0x1894200, size=223, end=0x1894ff0, next=0x6050c0

second: 1520 bytes (95 units) p=0x1895010

p=0x6050c0, size=0, end=0x6050c0, next=0x1895600 <-- dummy

p=0x1895600, size=159, end=0x1895ff0, next=0x1894200

p=0x1894200, size=223, end=0x1894ff0, next=0x6050c0

third: 1008 bytes (63 units) p=0x1896010

p=0x6050c0, size=0, end=0x6050c0, next=0x1896400 <-- dummy

p=0x1896400, size=191, end=0x1896ff0, next=0x1895600

p=0x1895600, size=159, end=0x1895ff0, next=0x1894200

p=0x1894200, size=223, end=0x1894ff0, next=0x6050c0

fourth: 1008 bytes (63 units) p=0x1897010

p=0x6050c0, size=0, end=0x6050c0, next=0x1897400 <-- dummy

p=0x1897400, size=191, end=0x1897ff0, next=0x1896400

p=0x1896400, size=191, end=0x1896ff0, next=0x1895600

p=0x1895600, size=159, end=0x1895ff0, next=0x1894200

p=0x1894200, size=223, end=0x1894ff0, next=0x6050c0

first free of p2 (3/8): 0x1895010

p=0x6050c0, size=0, end=0x6050c0, next=0x1895000 <-- dummy

p=0x1895000, size=95, end=0x18955f0, next=0x1897400

p=0x1897400, size=191, end=0x1897ff0, next=0x1896400

p=0x1896400, size=191, end=0x1896ff0, next=0x1895600

p=0x1895600, size=159, end=0x1895ff0, next=0x1894200

p=0x1894200, size=223, end=0x1894ff0, next=0x6050c0

second free of p4 (1/4): 0x1897010

p=0x6050c0, size=0, end=0x6050c0, next=0x1897000 <-- dummy

p=0x1897000, size=63, end=0x18973f0, next=0x1895000

p=0x1895000, size=95, end=0x18955f0, next=0x1897400

p=0x1897400, size=191, end=0x1897ff0, next=0x1896400

p=0x1896400, size=191, end=0x1896ff0, next=0x1895600

p=0x1895600, size=159, end=0x1895ff0, next=0x1894200

p=0x1894200, size=223, end=0x1894ff0, next=0x6050c0

first: 1008 bytes (63 units) p=0x1898010

p=0x6050c0, size=0, end=0x6050c0, next=0x1898400 <-- dummy

p=0x1898400, size=191, end=0x1898ff0, next=0x1897000

p=0x1897000, size=63, end=0x18973f0, next=0x1895000

p=0x1895000, size=95, end=0x18955f0, next=0x1897400

p=0x1897400, size=191, end=0x1897ff0, next=0x1896400

p=0x1896400, size=191, end=0x1896ff0, next=0x1895600

p=0x1895600, size=159, end=0x1895ff0, next=0x1894200

p=0x1894200, size=223, end=0x1894ff0, next=0x6050c0

first free of 1/8 a page p=0x1894010

p=0x6050c0, size=0, end=0x6050c0, next=0x1894000 <-- dummy

p=0x1894000, size=31, end=0x18941f0, next=0x1898400

p=0x1898400, size=191, end=0x1898ff0, next=0x1897000

p=0x1897000, size=63, end=0x18973f0, next=0x1895000

p=0x1895000, size=95, end=0x18955f0, next=0x1897400

p=0x1897400, size=191, end=0x1897ff0, next=0x1896400

p=0x1896400, size=191, end=0x1896ff0, next=0x1895600

p=0x1895600, size=159, end=0x1895ff0, next=0x1894200

p=0x1894200, size=223, end=0x1894ff0, next=0x6050c0

second free of a 1/4 page p=0x1898010

p=0x6050c0, size=0, end=0x6050c0, next=0x1898000 <-- dummy

p=0x1898000, size=63, end=0x18983f0, next=0x1894000

p=0x1894000, size=31, end=0x18941f0, next=0x1898400

p=0x1898400, size=191, end=0x1898ff0, next=0x1897000

p=0x1897000, size=63, end=0x18973f0, next=0x1895000

p=0x1895000, size=95, end=0x18955f0, next=0x1897400

p=0x1897400, size=191, end=0x1897ff0, next=0x1896400

p=0x1896400, size=191, end=0x1896ff0, next=0x1895600

p=0x1895600, size=159, end=0x1895ff0, next=0x1894200

p=0x1894200, size=223, end=0x1894ff0, next=0x6050c0

third free of a 1/4 page p=0x1897010

p=0x6050c0, size=0, end=0x6050c0, next=0x1896000 <-- dummy

p=0x1896000, size=63, end=0x18963f0, next=0x1898000

p=0x1898000, size=63, end=0x18983f0, next=0x1894000

p=0x1894000, size=31, end=0x18941f0, next=0x1898400

p=0x1898400, size=191, end=0x1898ff0, next=0x1897000

p=0x1897000, size=63, end=0x18973f0, next=0x1895000

p=0x1895000, size=95, end=0x18955f0, next=0x1897400

p=0x1897400, size=191, end=0x1897ff0, next=0x1896400

p=0x1896400, size=191, end=0x1896ff0, next=0x1895600

p=0x1895600, size=159, end=0x1895ff0, next=0x1894200

p=0x1894200, size=223, end=0x1894ff0, next=0x6050c0

unit driver 2 has returned all memory to free list

p=0x6050c0, size=0, end=0x6050c0, next=0x1896000 <-- dummy

p=0x1896000, size=63, end=0x18963f0, next=0x1898000

p=0x1898000, size=63, end=0x18983f0, next=0x1894000

p=0x1894000, size=31, end=0x18941f0, next=0x1898400

p=0x1898400, size=191, end=0x1898ff0, next=0x1897000

p=0x1897000, size=63, end=0x18973f0, next=0x1895000

p=0x1895000, size=95, end=0x18955f0, next=0x1897400

p=0x1897400, size=191, end=0x1897ff0, next=0x1896400

p=0x1896400, size=191, end=0x1896ff0, next=0x1895600

p=0x1895600, size=159, end=0x1895ff0, next=0x1894200

p=0x1894200, size=223, end=0x1894ff0, next=0x6050c0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 11

Min: 496

Max: 3568

Average: 1861

Total bytes in free list: 20480

Number of sbrk calls: 5

Number of requested pages: 5

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 2 -----

Seed: 19283

Best-fit search policy starting at head without coalescing

----- Begin unit driver 3 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 62592 bytes (3912 units) p=0x24ab010

p=0x6050c0, size=0, end=0x6050c0, next=0x24ba490 <-- dummy

p=0x24ba490, size=182, end=0x24baff0, next=0x6050c0

second: 11744 bytes (734 units) p=0x24bb010

p=0x6050c0, size=0, end=0x6050c0, next=0x24bddf0 <-- dummy

p=0x24bddf0, size=32, end=0x24bdff0, next=0x24ba490

p=0x24ba490, size=182, end=0x24baff0, next=0x6050c0

second: 37024 bytes (2314 units) p=0x24be010

p=0x6050c0, size=0, end=0x6050c0, next=0x24c70b0 <-- dummy

p=0x24c70b0, size=244, end=0x24c7ff0, next=0x24bddf0

p=0x24bddf0, size=32, end=0x24bdff0, next=0x24ba490

p=0x24ba490, size=182, end=0x24baff0, next=0x6050c0

first free of 15 pages plus 72 p=0x24ab010

p=0x6050c0, size=0, end=0x6050c0, next=0x24ab000 <-- dummy

p=0x24ab000, size=3912, end=0x24ba480, next=0x24c70b0

p=0x24c70b0, size=244, end=0x24c7ff0, next=0x24bddf0

p=0x24bddf0, size=32, end=0x24bdff0, next=0x24ba490

p=0x24ba490, size=182, end=0x24baff0, next=0x6050c0

second free of 3 pages minus 34 p=0x24bb010

p=0x6050c0, size=0, end=0x6050c0, next=0x24bb000 <-- dummy

p=0x24bb000, size=734, end=0x24bdde0, next=0x24ab000

p=0x24ab000, size=3912, end=0x24ba480, next=0x24c70b0

p=0x24c70b0, size=244, end=0x24c7ff0, next=0x24bddf0

p=0x24bddf0, size=32, end=0x24bdff0, next=0x24ba490

p=0x24ba490, size=182, end=0x24baff0, next=0x6050c0

third free of 9 pages plus 10 p=0x24be010

p=0x6050c0, size=0, end=0x6050c0, next=0x24be000 <-- dummy

p=0x24be000, size=2314, end=0x24c70a0, next=0x24bb000

p=0x24bb000, size=734, end=0x24bdde0, next=0x24ab000

p=0x24ab000, size=3912, end=0x24ba480, next=0x24c70b0

p=0x24c70b0, size=244, end=0x24c7ff0, next=0x24bddf0

p=0x24bddf0, size=32, end=0x24bdff0, next=0x24ba490

p=0x24ba490, size=182, end=0x24baff0, next=0x6050c0

unit driver 3 has returned all memory to free list

p=0x6050c0, size=0, end=0x6050c0, next=0x24be000 <-- dummy

p=0x24be000, size=2314, end=0x24c70a0, next=0x24bb000

p=0x24bb000, size=734, end=0x24bdde0, next=0x24ab000

p=0x24ab000, size=3912, end=0x24ba480, next=0x24c70b0

p=0x24c70b0, size=244, end=0x24c7ff0, next=0x24bddf0

p=0x24bddf0, size=32, end=0x24bdff0, next=0x24ba490

p=0x24ba490, size=182, end=0x24baff0, next=0x6050c0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 7

Min: 512

Max: 62592

Average: 16969

Total bytes in free list: 118784

Number of sbrk calls: 3

Number of requested pages: 29

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 3 -----

Seed: 19283

First-fit search policy starting at head without coalescing

----- Begin unit driver 3 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 62592 bytes (3912 units) p=0x9af010

p=0x6050c0, size=0, end=0x6050c0, next=0x9be490 <-- dummy

p=0x9be490, size=182, end=0x9beff0, next=0x6050c0

second: 11744 bytes (734 units) p=0x9bf010

p=0x6050c0, size=0, end=0x6050c0, next=0x9c1df0 <-- dummy

p=0x9c1df0, size=32, end=0x9c1ff0, next=0x9be490

p=0x9be490, size=182, end=0x9beff0, next=0x6050c0

second: 37024 bytes (2314 units) p=0x9c2010

p=0x6050c0, size=0, end=0x6050c0, next=0x9cb0b0 <-- dummy

p=0x9cb0b0, size=244, end=0x9cbff0, next=0x9c1df0

p=0x9c1df0, size=32, end=0x9c1ff0, next=0x9be490

p=0x9be490, size=182, end=0x9beff0, next=0x6050c0

first free of 15 pages plus 72 p=0x9af010

p=0x6050c0, size=0, end=0x6050c0, next=0x9af000 <-- dummy

p=0x9af000, size=3912, end=0x9be480, next=0x9cb0b0

p=0x9cb0b0, size=244, end=0x9cbff0, next=0x9c1df0

p=0x9c1df0, size=32, end=0x9c1ff0, next=0x9be490

p=0x9be490, size=182, end=0x9beff0, next=0x6050c0

second free of 3 pages minus 34 p=0x9bf010

p=0x6050c0, size=0, end=0x6050c0, next=0x9bf000 <-- dummy

p=0x9bf000, size=734, end=0x9c1de0, next=0x9af000

p=0x9af000, size=3912, end=0x9be480, next=0x9cb0b0

p=0x9cb0b0, size=244, end=0x9cbff0, next=0x9c1df0

p=0x9c1df0, size=32, end=0x9c1ff0, next=0x9be490

p=0x9be490, size=182, end=0x9beff0, next=0x6050c0

third free of 9 pages plus 10 p=0x9c2010

p=0x6050c0, size=0, end=0x6050c0, next=0x9c2000 <-- dummy

p=0x9c2000, size=2314, end=0x9cb0a0, next=0x9bf000

p=0x9bf000, size=734, end=0x9c1de0, next=0x9af000

p=0x9af000, size=3912, end=0x9be480, next=0x9cb0b0

p=0x9cb0b0, size=244, end=0x9cbff0, next=0x9c1df0

p=0x9c1df0, size=32, end=0x9c1ff0, next=0x9be490

p=0x9be490, size=182, end=0x9beff0, next=0x6050c0

unit driver 3 has returned all memory to free list

p=0x6050c0, size=0, end=0x6050c0, next=0x9c2000 <-- dummy

p=0x9c2000, size=2314, end=0x9cb0a0, next=0x9bf000

p=0x9bf000, size=734, end=0x9c1de0, next=0x9af000

p=0x9af000, size=3912, end=0x9be480, next=0x9cb0b0

p=0x9cb0b0, size=244, end=0x9cbff0, next=0x9c1df0

p=0x9c1df0, size=32, end=0x9c1ff0, next=0x9be490

p=0x9be490, size=182, end=0x9beff0, next=0x6050c0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 7

Min: 512

Max: 62592

Average: 16969

Total bytes in free list: 118784

Number of sbrk calls: 3

Number of requested pages: 29

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 3 -----

Seed: 19283

Worst-fit search policy starting at head without coalescing

----- Begin unit driver 3 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 62592 bytes (3912 units) p=0x1953010

p=0x6050c0, size=0, end=0x6050c0, next=0x1962490 <-- dummy

p=0x1962490, size=182, end=0x1962ff0, next=0x6050c0

second: 11744 bytes (734 units) p=0x1963010

p=0x6050c0, size=0, end=0x6050c0, next=0x1965df0 <-- dummy

p=0x1965df0, size=32, end=0x1965ff0, next=0x1962490

p=0x1962490, size=182, end=0x1962ff0, next=0x6050c0

second: 37024 bytes (2314 units) p=0x1966010

p=0x6050c0, size=0, end=0x6050c0, next=0x196f0b0 <-- dummy

p=0x196f0b0, size=244, end=0x196fff0, next=0x1965df0

p=0x1965df0, size=32, end=0x1965ff0, next=0x1962490

p=0x1962490, size=182, end=0x1962ff0, next=0x6050c0

first free of 15 pages plus 72 p=0x1953010

p=0x6050c0, size=0, end=0x6050c0, next=0x1953000 <-- dummy

p=0x1953000, size=3912, end=0x1962480, next=0x196f0b0

p=0x196f0b0, size=244, end=0x196fff0, next=0x1965df0

p=0x1965df0, size=32, end=0x1965ff0, next=0x1962490

p=0x1962490, size=182, end=0x1962ff0, next=0x6050c0

second free of 3 pages minus 34 p=0x1963010

p=0x6050c0, size=0, end=0x6050c0, next=0x1963000 <-- dummy

p=0x1963000, size=734, end=0x1965de0, next=0x1953000

p=0x1953000, size=3912, end=0x1962480, next=0x196f0b0

p=0x196f0b0, size=244, end=0x196fff0, next=0x1965df0

p=0x1965df0, size=32, end=0x1965ff0, next=0x1962490

p=0x1962490, size=182, end=0x1962ff0, next=0x6050c0

third free of 9 pages plus 10 p=0x1966010

p=0x6050c0, size=0, end=0x6050c0, next=0x1966000 <-- dummy

p=0x1966000, size=2314, end=0x196f0a0, next=0x1963000

p=0x1963000, size=734, end=0x1965de0, next=0x1953000

p=0x1953000, size=3912, end=0x1962480, next=0x196f0b0

p=0x196f0b0, size=244, end=0x196fff0, next=0x1965df0

p=0x1965df0, size=32, end=0x1965ff0, next=0x1962490

p=0x1962490, size=182, end=0x1962ff0, next=0x6050c0

unit driver 3 has returned all memory to free list

p=0x6050c0, size=0, end=0x6050c0, next=0x1966000 <-- dummy

p=0x1966000, size=2314, end=0x196f0a0, next=0x1963000

p=0x1963000, size=734, end=0x1965de0, next=0x1953000

p=0x1953000, size=3912, end=0x1962480, next=0x196f0b0

p=0x196f0b0, size=244, end=0x196fff0, next=0x1965df0

p=0x1965df0, size=32, end=0x1965ff0, next=0x1962490

p=0x1962490, size=182, end=0x1962ff0, next=0x6050c0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 7

Min: 512

Max: 62592

Average: 16969

Total bytes in free list: 118784

Number of sbrk calls: 3

Number of requested pages: 29

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 3 -----

Seed: 19283

Best-fit search policy starting at head without coalescing

----- Begin unit driver 4 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

p1 alloc: 1024 bytes (64 units) p=0x1127010

p=0x6050c0, size=0, end=0x6050c0, next=0x1127410 <-- dummy

p=0x1127410, size=190, end=0x1127ff0, next=0x6050c0

p2 alloc: 2048 bytes (128 units) p=0x1128010

p=0x6050c0, size=0, end=0x6050c0, next=0x1128810 <-- dummy

p=0x1128810, size=126, end=0x1128ff0, next=0x1127410

p=0x1127410, size=190, end=0x1127ff0, next=0x6050c0

first free of 1/2 of a page p=0x1128010

p=0x6050c0, size=0, end=0x6050c0, next=0x1128000 <-- dummy

p=0x1128000, size=128, end=0x1128800, next=0x1128810

p=0x1128810, size=126, end=0x1128ff0, next=0x1127410

p=0x1127410, size=190, end=0x1127ff0, next=0x6050c0

p2 alloc: 448 bytes (28 units) p=0x1129010

p=0x6050c0, size=0, end=0x6050c0, next=0x11291d0 <-- dummy

p=0x11291d0, size=226, end=0x1129ff0, next=0x1128000

p=0x1128000, size=128, end=0x1128800, next=0x1128810

p=0x1128810, size=126, end=0x1128ff0, next=0x1127410

p=0x1127410, size=190, end=0x1127ff0, next=0x6050c0

second free of 1/4 of a page p=0x1127010

p1 alloc: 1024 bytes (64 units) p=0x1127010

p=0x6050c0, size=0, end=0x6050c0, next=0x1127000 <-- dummy

p=0x1127000, size=64, end=0x1127400, next=0x11291d0

p=0x11291d0, size=226, end=0x1129ff0, next=0x1128000

p=0x1128000, size=128, end=0x1128800, next=0x1128810

p=0x1128810, size=126, end=0x1128ff0, next=0x1127410

p=0x1127410, size=190, end=0x1127ff0, next=0x6050c0

third free of 1/9 of a page p=0x1129010

p2 alloc: 448 bytes (28 units) p=0x1129010

p=0x6050c0, size=0, end=0x6050c0, next=0x1129000 <-- dummy

p=0x1129000, size=28, end=0x11291c0, next=0x1127000

p=0x1127000, size=64, end=0x1127400, next=0x11291d0

p=0x11291d0, size=226, end=0x1129ff0, next=0x1128000

p=0x1128000, size=128, end=0x1128800, next=0x1128810

p=0x1128810, size=126, end=0x1128ff0, next=0x1127410

p=0x1127410, size=190, end=0x1127ff0, next=0x6050c0

p2 alloc: 1360 bytes (85 units) p=0x112a010

p=0x6050c0, size=0, end=0x6050c0, next=0x112a560 <-- dummy

p=0x112a560, size=169, end=0x112aff0, next=0x1129000

p=0x1129000, size=28, end=0x11291c0, next=0x1127000

p=0x1127000, size=64, end=0x1127400, next=0x11291d0

p=0x11291d0, size=226, end=0x1129ff0, next=0x1128000

p=0x1128000, size=128, end=0x1128800, next=0x1128810

p=0x1128810, size=126, end=0x1128ff0, next=0x1127410

p=0x1127410, size=190, end=0x1127ff0, next=0x6050c0

p1 alloc: 1808 bytes (113 units) p=0x112b010

p=0x6050c0, size=0, end=0x6050c0, next=0x112b720 <-- dummy

p=0x112b720, size=141, end=0x112bff0, next=0x112a560

p=0x112a560, size=169, end=0x112aff0, next=0x1129000

p=0x1129000, size=28, end=0x11291c0, next=0x1127000

p=0x1127000, size=64, end=0x1127400, next=0x11291d0

p=0x11291d0, size=226, end=0x1129ff0, next=0x1128000

p=0x1128000, size=128, end=0x1128800, next=0x1128810

p=0x1128810, size=126, end=0x1128ff0, next=0x1127410

p=0x1127410, size=190, end=0x1127ff0, next=0x6050c0

Begin to free all allocated memory...

first free of 4/9 of a page p=0x112b010

p=0x6050c0, size=0, end=0x6050c0, next=0x112b000 <-- dummy

p=0x112b000, size=113, end=0x112b710, next=0x112b720

p=0x112b720, size=141, end=0x112bff0, next=0x112a560

p=0x112a560, size=169, end=0x112aff0, next=0x1129000

p=0x1129000, size=28, end=0x11291c0, next=0x1127000

p=0x1127000, size=64, end=0x1127400, next=0x11291d0

p=0x11291d0, size=226, end=0x1129ff0, next=0x1128000

p=0x1128000, size=128, end=0x1128800, next=0x1128810

p=0x1128810, size=126, end=0x1128ff0, next=0x1127410

p=0x1127410, size=190, end=0x1127ff0, next=0x6050c0

second free of 1/3 of a page p=0x112a010

p=0x6050c0, size=0, end=0x6050c0, next=0x112a000 <-- dummy

p=0x112a000, size=85, end=0x112a550, next=0x112b000

p=0x112b000, size=113, end=0x112b710, next=0x112b720

p=0x112b720, size=141, end=0x112bff0, next=0x112a560

p=0x112a560, size=169, end=0x112aff0, next=0x1129000

p=0x1129000, size=28, end=0x11291c0, next=0x1127000

p=0x1127000, size=64, end=0x1127400, next=0x11291d0

p=0x11291d0, size=226, end=0x1129ff0, next=0x1128000

p=0x1128000, size=128, end=0x1128800, next=0x1128810

p=0x1128810, size=126, end=0x1128ff0, next=0x1127410

p=0x1127410, size=190, end=0x1127ff0, next=0x6050c0

unit driver 4 has returned all memory to free list

p=0x6050c0, size=0, end=0x6050c0, next=0x112a000 <-- dummy

p=0x112a000, size=85, end=0x112a550, next=0x112b000

p=0x112b000, size=113, end=0x112b710, next=0x112b720

p=0x112b720, size=141, end=0x112bff0, next=0x112a560

p=0x112a560, size=169, end=0x112aff0, next=0x1129000

p=0x1129000, size=28, end=0x11291c0, next=0x1127000

p=0x1127000, size=64, end=0x1127400, next=0x11291d0

p=0x11291d0, size=226, end=0x1129ff0, next=0x1128000

p=0x1128000, size=128, end=0x1128800, next=0x1128810

p=0x1128810, size=126, end=0x1128ff0, next=0x1127410

p=0x1127410, size=190, end=0x1127ff0, next=0x6050c0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 11

Min: 448

Max: 3616

Average: 1861

Total bytes in free list: 20480

Number of sbrk calls: 5

Number of requested pages: 5

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 4 -----

Seed: 19283

First-fit search policy starting at head without coalescing

----- Begin unit driver 4 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

p1 alloc: 1024 bytes (64 units) p=0x14f4010

p=0x6050c0, size=0, end=0x6050c0, next=0x14f4410 <-- dummy

p=0x14f4410, size=190, end=0x14f4ff0, next=0x6050c0

p2 alloc: 2048 bytes (128 units) p=0x14f5010

p=0x6050c0, size=0, end=0x6050c0, next=0x14f5810 <-- dummy

p=0x14f5810, size=126, end=0x14f5ff0, next=0x14f4410

p=0x14f4410, size=190, end=0x14f4ff0, next=0x6050c0

first free of 1/2 of a page p=0x14f5010

p=0x6050c0, size=0, end=0x6050c0, next=0x14f5000 <-- dummy

p=0x14f5000, size=128, end=0x14f5800, next=0x14f5810

p=0x14f5810, size=126, end=0x14f5ff0, next=0x14f4410

p=0x14f4410, size=190, end=0x14f4ff0, next=0x6050c0

p2 alloc: 448 bytes (28 units) p=0x14f6010

p=0x14f5810, size=126, end=0x14f5ff0, next=0x14f61d0

p=0x14f61d0, size=226, end=0x14f6ff0, next=0x14f4410

p=0x14f4410, size=190, end=0x14f4ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14f5000 <-- dummy

p=0x14f5000, size=128, end=0x14f5800, next=0x14f5810

second free of 1/4 of a page p=0x14f4010

p1 alloc: 1024 bytes (64 units) p=0x14f4010

p=0x14f5810, size=126, end=0x14f5ff0, next=0x14f4000

p=0x14f4000, size=64, end=0x14f4400, next=0x14f61d0

p=0x14f61d0, size=226, end=0x14f6ff0, next=0x14f4410

p=0x14f4410, size=190, end=0x14f4ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14f5000 <-- dummy

p=0x14f5000, size=128, end=0x14f5800, next=0x14f5810

third free of 1/9 of a page p=0x14f6010

p2 alloc: 448 bytes (28 units) p=0x14f6010

p=0x14f5810, size=126, end=0x14f5ff0, next=0x14f6000

p=0x14f6000, size=28, end=0x14f61c0, next=0x14f4000

p=0x14f4000, size=64, end=0x14f4400, next=0x14f61d0

p=0x14f61d0, size=226, end=0x14f6ff0, next=0x14f4410

p=0x14f4410, size=190, end=0x14f4ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14f5000 <-- dummy

p=0x14f5000, size=128, end=0x14f5800, next=0x14f5810

p2 alloc: 1360 bytes (85 units) p=0x14f7010

p=0x14f5810, size=126, end=0x14f5ff0, next=0x14f7560

p=0x14f7560, size=169, end=0x14f7ff0, next=0x14f6000

p=0x14f6000, size=28, end=0x14f61c0, next=0x14f4000

p=0x14f4000, size=64, end=0x14f4400, next=0x14f61d0

p=0x14f61d0, size=226, end=0x14f6ff0, next=0x14f4410

p=0x14f4410, size=190, end=0x14f4ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14f5000 <-- dummy

p=0x14f5000, size=128, end=0x14f5800, next=0x14f5810

p1 alloc: 1808 bytes (113 units) p=0x14f8010

p=0x14f5810, size=126, end=0x14f5ff0, next=0x14f8720

p=0x14f8720, size=141, end=0x14f8ff0, next=0x14f7560

p=0x14f7560, size=169, end=0x14f7ff0, next=0x14f6000

p=0x14f6000, size=28, end=0x14f61c0, next=0x14f4000

p=0x14f4000, size=64, end=0x14f4400, next=0x14f61d0

p=0x14f61d0, size=226, end=0x14f6ff0, next=0x14f4410

p=0x14f4410, size=190, end=0x14f4ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14f5000 <-- dummy

p=0x14f5000, size=128, end=0x14f5800, next=0x14f5810

Begin to free all allocated memory...

first free of 4/9 of a page p=0x14f8010

p=0x14f5810, size=126, end=0x14f5ff0, next=0x14f8000

p=0x14f8000, size=113, end=0x14f8710, next=0x14f8720

p=0x14f8720, size=141, end=0x14f8ff0, next=0x14f7560

p=0x14f7560, size=169, end=0x14f7ff0, next=0x14f6000

p=0x14f6000, size=28, end=0x14f61c0, next=0x14f4000

p=0x14f4000, size=64, end=0x14f4400, next=0x14f61d0

p=0x14f61d0, size=226, end=0x14f6ff0, next=0x14f4410

p=0x14f4410, size=190, end=0x14f4ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14f5000 <-- dummy

p=0x14f5000, size=128, end=0x14f5800, next=0x14f5810

second free of 1/3 of a page p=0x14f7010

p=0x14f5810, size=126, end=0x14f5ff0, next=0x14f7000

p=0x14f7000, size=85, end=0x14f7550, next=0x14f8000

p=0x14f8000, size=113, end=0x14f8710, next=0x14f8720

p=0x14f8720, size=141, end=0x14f8ff0, next=0x14f7560

p=0x14f7560, size=169, end=0x14f7ff0, next=0x14f6000

p=0x14f6000, size=28, end=0x14f61c0, next=0x14f4000

p=0x14f4000, size=64, end=0x14f4400, next=0x14f61d0

p=0x14f61d0, size=226, end=0x14f6ff0, next=0x14f4410

p=0x14f4410, size=190, end=0x14f4ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14f5000 <-- dummy

p=0x14f5000, size=128, end=0x14f5800, next=0x14f5810

unit driver 4 has returned all memory to free list

p=0x14f5810, size=126, end=0x14f5ff0, next=0x14f7000

p=0x14f7000, size=85, end=0x14f7550, next=0x14f8000

p=0x14f8000, size=113, end=0x14f8710, next=0x14f8720

p=0x14f8720, size=141, end=0x14f8ff0, next=0x14f7560

p=0x14f7560, size=169, end=0x14f7ff0, next=0x14f6000

p=0x14f6000, size=28, end=0x14f61c0, next=0x14f4000

p=0x14f4000, size=64, end=0x14f4400, next=0x14f61d0

p=0x14f61d0, size=226, end=0x14f6ff0, next=0x14f4410

p=0x14f4410, size=190, end=0x14f4ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14f5000 <-- dummy

p=0x14f5000, size=128, end=0x14f5800, next=0x14f5810

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 11

Min: 448

Max: 3616

Average: 1861

Total bytes in free list: 20480

Number of sbrk calls: 5

Number of requested pages: 5

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 4 -----

Seed: 19283

Worst-fit search policy starting at head without coalescing

----- Begin unit driver 4 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

p1 alloc: 1024 bytes (64 units) p=0x25c2010

p=0x6050c0, size=0, end=0x6050c0, next=0x25c2410 <-- dummy

p=0x25c2410, size=190, end=0x25c2ff0, next=0x6050c0

p2 alloc: 2048 bytes (128 units) p=0x25c3010

p=0x6050c0, size=0, end=0x6050c0, next=0x25c3810 <-- dummy

p=0x25c3810, size=126, end=0x25c3ff0, next=0x25c2410

p=0x25c2410, size=190, end=0x25c2ff0, next=0x6050c0

first free of 1/2 of a page p=0x25c3010

p=0x6050c0, size=0, end=0x6050c0, next=0x25c3000 <-- dummy

p=0x25c3000, size=128, end=0x25c3800, next=0x25c3810

p=0x25c3810, size=126, end=0x25c3ff0, next=0x25c2410

p=0x25c2410, size=190, end=0x25c2ff0, next=0x6050c0

p2 alloc: 448 bytes (28 units) p=0x25c4010

p=0x6050c0, size=0, end=0x6050c0, next=0x25c41d0 <-- dummy

p=0x25c41d0, size=226, end=0x25c4ff0, next=0x25c3000

p=0x25c3000, size=128, end=0x25c3800, next=0x25c3810

p=0x25c3810, size=126, end=0x25c3ff0, next=0x25c2410

p=0x25c2410, size=190, end=0x25c2ff0, next=0x6050c0

second free of 1/4 of a page p=0x25c2010

p1 alloc: 1024 bytes (64 units) p=0x25c2010

p=0x6050c0, size=0, end=0x6050c0, next=0x25c2000 <-- dummy

p=0x25c2000, size=64, end=0x25c2400, next=0x25c41d0

p=0x25c41d0, size=226, end=0x25c4ff0, next=0x25c3000

p=0x25c3000, size=128, end=0x25c3800, next=0x25c3810

p=0x25c3810, size=126, end=0x25c3ff0, next=0x25c2410

p=0x25c2410, size=190, end=0x25c2ff0, next=0x6050c0

third free of 1/9 of a page p=0x25c4010

p2 alloc: 448 bytes (28 units) p=0x25c4010

p=0x6050c0, size=0, end=0x6050c0, next=0x25c4000 <-- dummy

p=0x25c4000, size=28, end=0x25c41c0, next=0x25c2000

p=0x25c2000, size=64, end=0x25c2400, next=0x25c41d0

p=0x25c41d0, size=226, end=0x25c4ff0, next=0x25c3000

p=0x25c3000, size=128, end=0x25c3800, next=0x25c3810

p=0x25c3810, size=126, end=0x25c3ff0, next=0x25c2410

p=0x25c2410, size=190, end=0x25c2ff0, next=0x6050c0

p2 alloc: 1360 bytes (85 units) p=0x25c5010

p=0x6050c0, size=0, end=0x6050c0, next=0x25c5560 <-- dummy

p=0x25c5560, size=169, end=0x25c5ff0, next=0x25c4000

p=0x25c4000, size=28, end=0x25c41c0, next=0x25c2000

p=0x25c2000, size=64, end=0x25c2400, next=0x25c41d0

p=0x25c41d0, size=226, end=0x25c4ff0, next=0x25c3000

p=0x25c3000, size=128, end=0x25c3800, next=0x25c3810

p=0x25c3810, size=126, end=0x25c3ff0, next=0x25c2410

p=0x25c2410, size=190, end=0x25c2ff0, next=0x6050c0

p1 alloc: 1808 bytes (113 units) p=0x25c6010

p=0x6050c0, size=0, end=0x6050c0, next=0x25c6720 <-- dummy

p=0x25c6720, size=141, end=0x25c6ff0, next=0x25c5560

p=0x25c5560, size=169, end=0x25c5ff0, next=0x25c4000

p=0x25c4000, size=28, end=0x25c41c0, next=0x25c2000

p=0x25c2000, size=64, end=0x25c2400, next=0x25c41d0

p=0x25c41d0, size=226, end=0x25c4ff0, next=0x25c3000

p=0x25c3000, size=128, end=0x25c3800, next=0x25c3810

p=0x25c3810, size=126, end=0x25c3ff0, next=0x25c2410

p=0x25c2410, size=190, end=0x25c2ff0, next=0x6050c0

Begin to free all allocated memory...

first free of 4/9 of a page p=0x25c6010

p=0x6050c0, size=0, end=0x6050c0, next=0x25c6000 <-- dummy

p=0x25c6000, size=113, end=0x25c6710, next=0x25c6720

p=0x25c6720, size=141, end=0x25c6ff0, next=0x25c5560

p=0x25c5560, size=169, end=0x25c5ff0, next=0x25c4000

p=0x25c4000, size=28, end=0x25c41c0, next=0x25c2000

p=0x25c2000, size=64, end=0x25c2400, next=0x25c41d0

p=0x25c41d0, size=226, end=0x25c4ff0, next=0x25c3000

p=0x25c3000, size=128, end=0x25c3800, next=0x25c3810

p=0x25c3810, size=126, end=0x25c3ff0, next=0x25c2410

p=0x25c2410, size=190, end=0x25c2ff0, next=0x6050c0

second free of 1/3 of a page p=0x25c5010

p=0x6050c0, size=0, end=0x6050c0, next=0x25c5000 <-- dummy

p=0x25c5000, size=85, end=0x25c5550, next=0x25c6000

p=0x25c6000, size=113, end=0x25c6710, next=0x25c6720

p=0x25c6720, size=141, end=0x25c6ff0, next=0x25c5560

p=0x25c5560, size=169, end=0x25c5ff0, next=0x25c4000

p=0x25c4000, size=28, end=0x25c41c0, next=0x25c2000

p=0x25c2000, size=64, end=0x25c2400, next=0x25c41d0

p=0x25c41d0, size=226, end=0x25c4ff0, next=0x25c3000

p=0x25c3000, size=128, end=0x25c3800, next=0x25c3810

p=0x25c3810, size=126, end=0x25c3ff0, next=0x25c2410

p=0x25c2410, size=190, end=0x25c2ff0, next=0x6050c0

unit driver 4 has returned all memory to free list

p=0x6050c0, size=0, end=0x6050c0, next=0x25c5000 <-- dummy

p=0x25c5000, size=85, end=0x25c5550, next=0x25c6000

p=0x25c6000, size=113, end=0x25c6710, next=0x25c6720

p=0x25c6720, size=141, end=0x25c6ff0, next=0x25c5560

p=0x25c5560, size=169, end=0x25c5ff0, next=0x25c4000

p=0x25c4000, size=28, end=0x25c41c0, next=0x25c2000

p=0x25c2000, size=64, end=0x25c2400, next=0x25c41d0

p=0x25c41d0, size=226, end=0x25c4ff0, next=0x25c3000

p=0x25c3000, size=128, end=0x25c3800, next=0x25c3810

p=0x25c3810, size=126, end=0x25c3ff0, next=0x25c2410

p=0x25c2410, size=190, end=0x25c2ff0, next=0x6050c0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 11

Min: 448

Max: 3616

Average: 1861

Total bytes in free list: 20480

Number of sbrk calls: 5

Number of requested pages: 5

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 4 -----

Seed: 19283

Best-fit search policy starting at head without coalescing

----- Begin unit driver 5 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 1008 bytes (63 units) p=0x1445010

p=0x6050c0, size=0, end=0x6050c0, next=0x1445400 <-- dummy

p=0x1445400, size=191, end=0x1445ff0, next=0x6050c0

second: 496 bytes (31 units) p=0x1446010

p=0x6050c0, size=0, end=0x6050c0, next=0x1446200 <-- dummy

p=0x1446200, size=223, end=0x1446ff0, next=0x1445400

p=0x1445400, size=191, end=0x1445ff0, next=0x6050c0

first free: p1 -> p=0x1445010

second free: p2 -> p=0x1446010

p=0x6050c0, size=0, end=0x6050c0, next=0x1446000 <-- dummy

p=0x1446000, size=31, end=0x14461f0, next=0x1445000

p=0x1445000, size=63, end=0x14453f0, next=0x1446200

p=0x1446200, size=223, end=0x1446ff0, next=0x1445400

p=0x1445400, size=191, end=0x1445ff0, next=0x6050c0

third: 4080 bytes (255 units) p=0x1447010

p=0x6050c0, size=0, end=0x6050c0, next=0x1446000 <-- dummy

p=0x1446000, size=31, end=0x14461f0, next=0x1445000

p=0x1445000, size=63, end=0x14453f0, next=0x1446200

p=0x1446200, size=223, end=0x1446ff0, next=0x1445400

p=0x1445400, size=191, end=0x1445ff0, next=0x6050c0

fourth: 800 bytes (50 units) p=0x1448010

p=0x6050c0, size=0, end=0x6050c0, next=0x1448330 <-- dummy

p=0x1448330, size=204, end=0x1448ff0, next=0x1446000

p=0x1446000, size=31, end=0x14461f0, next=0x1445000

p=0x1445000, size=63, end=0x14453f0, next=0x1446200

p=0x1446200, size=223, end=0x1446ff0, next=0x1445400

p=0x1445400, size=191, end=0x1445ff0, next=0x6050c0

third free: p3 -> p=0x1447010

p=0x6050c0, size=0, end=0x6050c0, next=0x1447000 <-- dummy

p=0x1447000, size=255, end=0x1447ff0, next=0x1448330

p=0x1448330, size=204, end=0x1448ff0, next=0x1446000

p=0x1446000, size=31, end=0x14461f0, next=0x1445000

p=0x1445000, size=63, end=0x14453f0, next=0x1446200

p=0x1446200, size=223, end=0x1446ff0, next=0x1445400

p=0x1445400, size=191, end=0x1445ff0, next=0x6050c0

fifth: 2032 bytes (127 units) p=0x1449010

p=0x6050c0, size=0, end=0x6050c0, next=0x1449800 <-- dummy

p=0x1449800, size=127, end=0x1449ff0, next=0x1447000

p=0x1447000, size=255, end=0x1447ff0, next=0x1448330

p=0x1448330, size=204, end=0x1448ff0, next=0x1446000

p=0x1446000, size=31, end=0x14461f0, next=0x1445000

p=0x1445000, size=63, end=0x14453f0, next=0x1446200

p=0x1446200, size=223, end=0x1446ff0, next=0x1445400

p=0x1445400, size=191, end=0x1445ff0, next=0x6050c0

fourth free: p4 -> p=0x1448010

p=0x6050c0, size=0, end=0x6050c0, next=0x1448000 <-- dummy

p=0x1448000, size=50, end=0x1448320, next=0x1449800

p=0x1449800, size=127, end=0x1449ff0, next=0x1447000

p=0x1447000, size=255, end=0x1447ff0, next=0x1448330

p=0x1448330, size=204, end=0x1448ff0, next=0x1446000

p=0x1446000, size=31, end=0x14461f0, next=0x1445000

p=0x1445000, size=63, end=0x14453f0, next=0x1446200

p=0x1446200, size=223, end=0x1446ff0, next=0x1445400

p=0x1445400, size=191, end=0x1445ff0, next=0x6050c0

fifth free: p5 -> p=0x1449010

p=0x6050c0, size=0, end=0x6050c0, next=0x1449000 <-- dummy

p=0x1449000, size=127, end=0x14497f0, next=0x1448000

p=0x1448000, size=50, end=0x1448320, next=0x1449800

p=0x1449800, size=127, end=0x1449ff0, next=0x1447000

p=0x1447000, size=255, end=0x1447ff0, next=0x1448330

p=0x1448330, size=204, end=0x1448ff0, next=0x1446000

p=0x1446000, size=31, end=0x14461f0, next=0x1445000

p=0x1445000, size=63, end=0x14453f0, next=0x1446200

p=0x1446200, size=223, end=0x1446ff0, next=0x1445400

p=0x1445400, size=191, end=0x1445ff0, next=0x6050c0

sixth: 576 bytes (36 units) p=0x144a010

p=0x6050c0, size=0, end=0x6050c0, next=0x144a250 <-- dummy

p=0x144a250, size=218, end=0x144aff0, next=0x1449000

p=0x1449000, size=127, end=0x14497f0, next=0x1448000

p=0x1448000, size=50, end=0x1448320, next=0x1449800

p=0x1449800, size=127, end=0x1449ff0, next=0x1447000

p=0x1447000, size=255, end=0x1447ff0, next=0x1448330

p=0x1448330, size=204, end=0x1448ff0, next=0x1446000

p=0x1446000, size=31, end=0x14461f0, next=0x1445000

p=0x1445000, size=63, end=0x14453f0, next=0x1446200

p=0x1446200, size=223, end=0x1446ff0, next=0x1445400

p=0x1445400, size=191, end=0x1445ff0, next=0x6050c0

unit driver 5 has returned all memory to free list

p=0x6050c0, size=0, end=0x6050c0, next=0x144a000 <-- dummy

p=0x144a000, size=36, end=0x144a240, next=0x144a250

p=0x144a250, size=218, end=0x144aff0, next=0x1449000

p=0x1449000, size=127, end=0x14497f0, next=0x1448000

p=0x1448000, size=50, end=0x1448320, next=0x1449800

p=0x1449800, size=127, end=0x1449ff0, next=0x1447000

p=0x1447000, size=255, end=0x1447ff0, next=0x1448330

p=0x1448330, size=204, end=0x1448ff0, next=0x1446000

p=0x1446000, size=31, end=0x14461f0, next=0x1445000

p=0x1445000, size=63, end=0x14453f0, next=0x1446200

p=0x1446200, size=223, end=0x1446ff0, next=0x1445400

p=0x1445400, size=191, end=0x1445ff0, next=0x6050c0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 12

Min: 496

Max: 4080

Average: 2048

Total bytes in free list: 24576

Number of sbrk calls: 6

Number of requested pages: 6

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 5 -----

Seed: 19283

First-fit search policy starting at head without coalescing

----- Begin unit driver 5 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 1008 bytes (63 units) p=0xd27010

p=0x6050c0, size=0, end=0x6050c0, next=0xd27400 <-- dummy

p=0xd27400, size=191, end=0xd27ff0, next=0x6050c0

second: 496 bytes (31 units) p=0xd28010

p=0x6050c0, size=0, end=0x6050c0, next=0xd28200 <-- dummy

p=0xd28200, size=223, end=0xd28ff0, next=0xd27400

p=0xd27400, size=191, end=0xd27ff0, next=0x6050c0

first free: p1 -> p=0xd27010

second free: p2 -> p=0xd28010

p=0x6050c0, size=0, end=0x6050c0, next=0xd28000 <-- dummy

p=0xd28000, size=31, end=0xd281f0, next=0xd27000

p=0xd27000, size=63, end=0xd273f0, next=0xd28200

p=0xd28200, size=223, end=0xd28ff0, next=0xd27400

p=0xd27400, size=191, end=0xd27ff0, next=0x6050c0

third: 4080 bytes (255 units) p=0xd29010

p=0x6050c0, size=0, end=0x6050c0, next=0xd28000 <-- dummy

p=0xd28000, size=31, end=0xd281f0, next=0xd27000

p=0xd27000, size=63, end=0xd273f0, next=0xd28200

p=0xd28200, size=223, end=0xd28ff0, next=0xd27400

p=0xd27400, size=191, end=0xd27ff0, next=0x6050c0

fourth: 800 bytes (50 units) p=0xd2a010

p=0xd28200, size=223, end=0xd28ff0, next=0xd2a330

p=0xd2a330, size=204, end=0xd2aff0, next=0xd27400

p=0xd27400, size=191, end=0xd27ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd28000 <-- dummy

p=0xd28000, size=31, end=0xd281f0, next=0xd27000

p=0xd27000, size=63, end=0xd273f0, next=0xd28200

third free: p3 -> p=0xd29010

p=0xd28200, size=223, end=0xd28ff0, next=0xd29000

p=0xd29000, size=255, end=0xd29ff0, next=0xd2a330

p=0xd2a330, size=204, end=0xd2aff0, next=0xd27400

p=0xd27400, size=191, end=0xd27ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd28000 <-- dummy

p=0xd28000, size=31, end=0xd281f0, next=0xd27000

p=0xd27000, size=63, end=0xd273f0, next=0xd28200

fifth: 2032 bytes (127 units) p=0xd2b010

p=0xd29000, size=255, end=0xd29ff0, next=0xd2b800

p=0xd2b800, size=127, end=0xd2bff0, next=0xd2a330

p=0xd2a330, size=204, end=0xd2aff0, next=0xd27400

p=0xd27400, size=191, end=0xd27ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd28000 <-- dummy

p=0xd28000, size=31, end=0xd281f0, next=0xd27000

p=0xd27000, size=63, end=0xd273f0, next=0xd28200

p=0xd28200, size=223, end=0xd28ff0, next=0xd29000

fourth free: p4 -> p=0xd2a010

p=0xd29000, size=255, end=0xd29ff0, next=0xd2a000

p=0xd2a000, size=50, end=0xd2a320, next=0xd2b800

p=0xd2b800, size=127, end=0xd2bff0, next=0xd2a330

p=0xd2a330, size=204, end=0xd2aff0, next=0xd27400

p=0xd27400, size=191, end=0xd27ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd28000 <-- dummy

p=0xd28000, size=31, end=0xd281f0, next=0xd27000

p=0xd27000, size=63, end=0xd273f0, next=0xd28200

p=0xd28200, size=223, end=0xd28ff0, next=0xd29000

fifth free: p5 -> p=0xd2b010

p=0xd29000, size=255, end=0xd29ff0, next=0xd2b000

p=0xd2b000, size=127, end=0xd2b7f0, next=0xd2a000

p=0xd2a000, size=50, end=0xd2a320, next=0xd2b800

p=0xd2b800, size=127, end=0xd2bff0, next=0xd2a330

p=0xd2a330, size=204, end=0xd2aff0, next=0xd27400

p=0xd27400, size=191, end=0xd27ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd28000 <-- dummy

p=0xd28000, size=31, end=0xd281f0, next=0xd27000

p=0xd27000, size=63, end=0xd273f0, next=0xd28200

p=0xd28200, size=223, end=0xd28ff0, next=0xd29000

sixth: 576 bytes (36 units) p=0xd2c010

p=0xd28200, size=223, end=0xd28ff0, next=0xd2c250

p=0xd2c250, size=218, end=0xd2cff0, next=0xd29000

p=0xd29000, size=255, end=0xd29ff0, next=0xd2b000

p=0xd2b000, size=127, end=0xd2b7f0, next=0xd2a000

p=0xd2a000, size=50, end=0xd2a320, next=0xd2b800

p=0xd2b800, size=127, end=0xd2bff0, next=0xd2a330

p=0xd2a330, size=204, end=0xd2aff0, next=0xd27400

p=0xd27400, size=191, end=0xd27ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd28000 <-- dummy

p=0xd28000, size=31, end=0xd281f0, next=0xd27000

p=0xd27000, size=63, end=0xd273f0, next=0xd28200

unit driver 5 has returned all memory to free list

p=0xd28200, size=223, end=0xd28ff0, next=0xd2c000

p=0xd2c000, size=36, end=0xd2c240, next=0xd2c250

p=0xd2c250, size=218, end=0xd2cff0, next=0xd29000

p=0xd29000, size=255, end=0xd29ff0, next=0xd2b000

p=0xd2b000, size=127, end=0xd2b7f0, next=0xd2a000

p=0xd2a000, size=50, end=0xd2a320, next=0xd2b800

p=0xd2b800, size=127, end=0xd2bff0, next=0xd2a330

p=0xd2a330, size=204, end=0xd2aff0, next=0xd27400

p=0xd27400, size=191, end=0xd27ff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0xd28000 <-- dummy

p=0xd28000, size=31, end=0xd281f0, next=0xd27000

p=0xd27000, size=63, end=0xd273f0, next=0xd28200

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 12

Min: 496

Max: 4080

Average: 2048

Total bytes in free list: 24576

Number of sbrk calls: 6

Number of requested pages: 6

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 5 -----

Seed: 19283

Worst-fit search policy starting at head without coalescing

----- Begin unit driver 5 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 1008 bytes (63 units) p=0x2385010

p=0x6050c0, size=0, end=0x6050c0, next=0x2385400 <-- dummy

p=0x2385400, size=191, end=0x2385ff0, next=0x6050c0

second: 496 bytes (31 units) p=0x2386010

p=0x6050c0, size=0, end=0x6050c0, next=0x2386200 <-- dummy

p=0x2386200, size=223, end=0x2386ff0, next=0x2385400

p=0x2385400, size=191, end=0x2385ff0, next=0x6050c0

first free: p1 -> p=0x2385010

second free: p2 -> p=0x2386010

p=0x6050c0, size=0, end=0x6050c0, next=0x2386000 <-- dummy

p=0x2386000, size=31, end=0x23861f0, next=0x2385000

p=0x2385000, size=63, end=0x23853f0, next=0x2386200

p=0x2386200, size=223, end=0x2386ff0, next=0x2385400

p=0x2385400, size=191, end=0x2385ff0, next=0x6050c0

third: 4080 bytes (255 units) p=0x2387010

p=0x6050c0, size=0, end=0x6050c0, next=0x2386000 <-- dummy

p=0x2386000, size=31, end=0x23861f0, next=0x2385000

p=0x2385000, size=63, end=0x23853f0, next=0x2386200

p=0x2386200, size=223, end=0x2386ff0, next=0x2385400

p=0x2385400, size=191, end=0x2385ff0, next=0x6050c0

fourth: 800 bytes (50 units) p=0x2388010

p=0x6050c0, size=0, end=0x6050c0, next=0x2388330 <-- dummy

p=0x2388330, size=204, end=0x2388ff0, next=0x2386000

p=0x2386000, size=31, end=0x23861f0, next=0x2385000

p=0x2385000, size=63, end=0x23853f0, next=0x2386200

p=0x2386200, size=223, end=0x2386ff0, next=0x2385400

p=0x2385400, size=191, end=0x2385ff0, next=0x6050c0

third free: p3 -> p=0x2387010

p=0x6050c0, size=0, end=0x6050c0, next=0x2387000 <-- dummy

p=0x2387000, size=255, end=0x2387ff0, next=0x2388330

p=0x2388330, size=204, end=0x2388ff0, next=0x2386000

p=0x2386000, size=31, end=0x23861f0, next=0x2385000

p=0x2385000, size=63, end=0x23853f0, next=0x2386200

p=0x2386200, size=223, end=0x2386ff0, next=0x2385400

p=0x2385400, size=191, end=0x2385ff0, next=0x6050c0

fifth: 2032 bytes (127 units) p=0x2389010

p=0x6050c0, size=0, end=0x6050c0, next=0x2389800 <-- dummy

p=0x2389800, size=127, end=0x2389ff0, next=0x2387000

p=0x2387000, size=255, end=0x2387ff0, next=0x2388330

p=0x2388330, size=204, end=0x2388ff0, next=0x2386000

p=0x2386000, size=31, end=0x23861f0, next=0x2385000

p=0x2385000, size=63, end=0x23853f0, next=0x2386200

p=0x2386200, size=223, end=0x2386ff0, next=0x2385400

p=0x2385400, size=191, end=0x2385ff0, next=0x6050c0

fourth free: p4 -> p=0x2388010

p=0x6050c0, size=0, end=0x6050c0, next=0x2388000 <-- dummy

p=0x2388000, size=50, end=0x2388320, next=0x2389800

p=0x2389800, size=127, end=0x2389ff0, next=0x2387000

p=0x2387000, size=255, end=0x2387ff0, next=0x2388330

p=0x2388330, size=204, end=0x2388ff0, next=0x2386000

p=0x2386000, size=31, end=0x23861f0, next=0x2385000

p=0x2385000, size=63, end=0x23853f0, next=0x2386200

p=0x2386200, size=223, end=0x2386ff0, next=0x2385400

p=0x2385400, size=191, end=0x2385ff0, next=0x6050c0

fifth free: p5 -> p=0x2389010

p=0x6050c0, size=0, end=0x6050c0, next=0x2389000 <-- dummy

p=0x2389000, size=127, end=0x23897f0, next=0x2388000

p=0x2388000, size=50, end=0x2388320, next=0x2389800

p=0x2389800, size=127, end=0x2389ff0, next=0x2387000

p=0x2387000, size=255, end=0x2387ff0, next=0x2388330

p=0x2388330, size=204, end=0x2388ff0, next=0x2386000

p=0x2386000, size=31, end=0x23861f0, next=0x2385000

p=0x2385000, size=63, end=0x23853f0, next=0x2386200

p=0x2386200, size=223, end=0x2386ff0, next=0x2385400

p=0x2385400, size=191, end=0x2385ff0, next=0x6050c0

sixth: 576 bytes (36 units) p=0x238a010

p=0x6050c0, size=0, end=0x6050c0, next=0x238a250 <-- dummy

p=0x238a250, size=218, end=0x238aff0, next=0x2389000

p=0x2389000, size=127, end=0x23897f0, next=0x2388000

p=0x2388000, size=50, end=0x2388320, next=0x2389800

p=0x2389800, size=127, end=0x2389ff0, next=0x2387000

p=0x2387000, size=255, end=0x2387ff0, next=0x2388330

p=0x2388330, size=204, end=0x2388ff0, next=0x2386000

p=0x2386000, size=31, end=0x23861f0, next=0x2385000

p=0x2385000, size=63, end=0x23853f0, next=0x2386200

p=0x2386200, size=223, end=0x2386ff0, next=0x2385400

p=0x2385400, size=191, end=0x2385ff0, next=0x6050c0

unit driver 5 has returned all memory to free list

p=0x6050c0, size=0, end=0x6050c0, next=0x238a000 <-- dummy

p=0x238a000, size=36, end=0x238a240, next=0x238a250

p=0x238a250, size=218, end=0x238aff0, next=0x2389000

p=0x2389000, size=127, end=0x23897f0, next=0x2388000

p=0x2388000, size=50, end=0x2388320, next=0x2389800

p=0x2389800, size=127, end=0x2389ff0, next=0x2387000

p=0x2387000, size=255, end=0x2387ff0, next=0x2388330

p=0x2388330, size=204, end=0x2388ff0, next=0x2386000

p=0x2386000, size=31, end=0x23861f0, next=0x2385000

p=0x2385000, size=63, end=0x23853f0, next=0x2386200

p=0x2386200, size=223, end=0x2386ff0, next=0x2385400

p=0x2385400, size=191, end=0x2385ff0, next=0x6050c0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 12

Min: 496

Max: 4080

Average: 2048

Total bytes in free list: 24576

Number of sbrk calls: 6

Number of requested pages: 6

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 5 -----

Seed: 19283

Best-fit search policy starting at head without coalescing

----- Begin unit driver 6 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 816 bytes (51 units) p=0x1c33010

p=0x6050c0, size=0, end=0x6050c0, next=0x1c33340 <-- dummy

p=0x1c33340, size=203, end=0x1c33ff0, next=0x6050c0

second: 672 bytes (42 units) p=0x1c34010

p=0x6050c0, size=0, end=0x6050c0, next=0x1c342b0 <-- dummy

p=0x1c342b0, size=212, end=0x1c34ff0, next=0x1c33340

p=0x1c33340, size=203, end=0x1c33ff0, next=0x6050c0

third: 272 bytes (17 units) p=0x1c35010

p=0x6050c0, size=0, end=0x6050c0, next=0x1c35120 <-- dummy

p=0x1c35120, size=237, end=0x1c35ff0, next=0x1c342b0

p=0x1c342b0, size=212, end=0x1c34ff0, next=0x1c33340

p=0x1c33340, size=203, end=0x1c33ff0, next=0x6050c0

fourth: 256 bytes (16 units) p=0x1c36010

p=0x6050c0, size=0, end=0x6050c0, next=0x1c36110 <-- dummy

p=0x1c36110, size=238, end=0x1c36ff0, next=0x1c35120

p=0x1c35120, size=237, end=0x1c35ff0, next=0x1c342b0

p=0x1c342b0, size=212, end=0x1c34ff0, next=0x1c33340

p=0x1c33340, size=203, end=0x1c33ff0, next=0x6050c0

First free of p3 (1/15) p=0x1c35010

p=0x6050c0, size=0, end=0x6050c0, next=0x1c35000 <-- dummy

p=0x1c35000, size=17, end=0x1c35110, next=0x1c36110

p=0x1c36110, size=238, end=0x1c36ff0, next=0x1c35120

p=0x1c35120, size=237, end=0x1c35ff0, next=0x1c342b0

p=0x1c342b0, size=212, end=0x1c34ff0, next=0x1c33340

p=0x1c33340, size=203, end=0x1c33ff0, next=0x6050c0

Third free of p4 (1/16) p=0x1c36010

p=0x6050c0, size=0, end=0x6050c0, next=0x1c36000 <-- dummy

p=0x1c36000, size=16, end=0x1c36100, next=0x1c35000

p=0x1c35000, size=17, end=0x1c35110, next=0x1c36110

p=0x1c36110, size=238, end=0x1c36ff0, next=0x1c35120

p=0x1c35120, size=237, end=0x1c35ff0, next=0x1c342b0

p=0x1c342b0, size=212, end=0x1c34ff0, next=0x1c33340

p=0x1c33340, size=203, end=0x1c33ff0, next=0x6050c0

Memory is coalesced

Second free of p1 (1/5) p=0x1c33010

p=0x6050c0, size=0, end=0x6050c0, next=0x1c33000 <-- dummy

p=0x1c33000, size=51, end=0x1c33330, next=0x1c36000

p=0x1c36000, size=16, end=0x1c36100, next=0x1c35000

p=0x1c35000, size=17, end=0x1c35110, next=0x1c36110

p=0x1c36110, size=238, end=0x1c36ff0, next=0x1c35120

p=0x1c35120, size=237, end=0x1c35ff0, next=0x1c342b0

p=0x1c342b0, size=212, end=0x1c34ff0, next=0x1c33340

p=0x1c33340, size=203, end=0x1c33ff0, next=0x6050c0

Third free of p2 (1/6) p=0x1c34010

p=0x6050c0, size=0, end=0x6050c0, next=0x1c34000 <-- dummy

p=0x1c34000, size=42, end=0x1c342a0, next=0x1c33000

p=0x1c33000, size=51, end=0x1c33330, next=0x1c36000

p=0x1c36000, size=16, end=0x1c36100, next=0x1c35000

p=0x1c35000, size=17, end=0x1c35110, next=0x1c36110

p=0x1c36110, size=238, end=0x1c36ff0, next=0x1c35120

p=0x1c35120, size=237, end=0x1c35ff0, next=0x1c342b0

p=0x1c342b0, size=212, end=0x1c34ff0, next=0x1c33340

p=0x1c33340, size=203, end=0x1c33ff0, next=0x6050c0

unit driver 6 has returned all memory to free list

p=0x6050c0, size=0, end=0x6050c0, next=0x1c34000 <-- dummy

p=0x1c34000, size=42, end=0x1c342a0, next=0x1c33000

p=0x1c33000, size=51, end=0x1c33330, next=0x1c36000

p=0x1c36000, size=16, end=0x1c36100, next=0x1c35000

p=0x1c35000, size=17, end=0x1c35110, next=0x1c36110

p=0x1c36110, size=238, end=0x1c36ff0, next=0x1c35120

p=0x1c35120, size=237, end=0x1c35ff0, next=0x1c342b0

p=0x1c342b0, size=212, end=0x1c34ff0, next=0x1c33340

p=0x1c33340, size=203, end=0x1c33ff0, next=0x6050c0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 9

Min: 256

Max: 3808

Average: 1820

Total bytes in free list: 16384

Number of sbrk calls: 4

Number of requested pages: 4

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 6 -----

Seed: 19283

First-fit search policy starting at head without coalescing

----- Begin unit driver 6 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 816 bytes (51 units) p=0x14c9010

p=0x6050c0, size=0, end=0x6050c0, next=0x14c9340 <-- dummy

p=0x14c9340, size=203, end=0x14c9ff0, next=0x6050c0

second: 672 bytes (42 units) p=0x14ca010

p=0x6050c0, size=0, end=0x6050c0, next=0x14ca2b0 <-- dummy

p=0x14ca2b0, size=212, end=0x14caff0, next=0x14c9340

p=0x14c9340, size=203, end=0x14c9ff0, next=0x6050c0

third: 272 bytes (17 units) p=0x14cb010

p=0x14c9340, size=203, end=0x14c9ff0, next=0x14cb120

p=0x14cb120, size=237, end=0x14cbff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14ca2b0 <-- dummy

p=0x14ca2b0, size=212, end=0x14caff0, next=0x14c9340

fourth: 256 bytes (16 units) p=0x14cc010

p=0x14c9340, size=203, end=0x14c9ff0, next=0x14cc110

p=0x14cc110, size=238, end=0x14ccff0, next=0x14cb120

p=0x14cb120, size=237, end=0x14cbff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14ca2b0 <-- dummy

p=0x14ca2b0, size=212, end=0x14caff0, next=0x14c9340

First free of p3 (1/15) p=0x14cb010

p=0x14c9340, size=203, end=0x14c9ff0, next=0x14cb000

p=0x14cb000, size=17, end=0x14cb110, next=0x14cc110

p=0x14cc110, size=238, end=0x14ccff0, next=0x14cb120

p=0x14cb120, size=237, end=0x14cbff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14ca2b0 <-- dummy

p=0x14ca2b0, size=212, end=0x14caff0, next=0x14c9340

Third free of p4 (1/16) p=0x14cc010

p=0x14c9340, size=203, end=0x14c9ff0, next=0x14cc000

p=0x14cc000, size=16, end=0x14cc100, next=0x14cb000

p=0x14cb000, size=17, end=0x14cb110, next=0x14cc110

p=0x14cc110, size=238, end=0x14ccff0, next=0x14cb120

p=0x14cb120, size=237, end=0x14cbff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14ca2b0 <-- dummy

p=0x14ca2b0, size=212, end=0x14caff0, next=0x14c9340

Memory is coalesced

Second free of p1 (1/5) p=0x14c9010

p=0x14c9340, size=203, end=0x14c9ff0, next=0x14c9000

p=0x14c9000, size=51, end=0x14c9330, next=0x14cc000

p=0x14cc000, size=16, end=0x14cc100, next=0x14cb000

p=0x14cb000, size=17, end=0x14cb110, next=0x14cc110

p=0x14cc110, size=238, end=0x14ccff0, next=0x14cb120

p=0x14cb120, size=237, end=0x14cbff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14ca2b0 <-- dummy

p=0x14ca2b0, size=212, end=0x14caff0, next=0x14c9340

Third free of p2 (1/6) p=0x14ca010

p=0x14c9340, size=203, end=0x14c9ff0, next=0x14ca000

p=0x14ca000, size=42, end=0x14ca2a0, next=0x14c9000

p=0x14c9000, size=51, end=0x14c9330, next=0x14cc000

p=0x14cc000, size=16, end=0x14cc100, next=0x14cb000

p=0x14cb000, size=17, end=0x14cb110, next=0x14cc110

p=0x14cc110, size=238, end=0x14ccff0, next=0x14cb120

p=0x14cb120, size=237, end=0x14cbff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14ca2b0 <-- dummy

p=0x14ca2b0, size=212, end=0x14caff0, next=0x14c9340

unit driver 6 has returned all memory to free list

p=0x14c9340, size=203, end=0x14c9ff0, next=0x14ca000

p=0x14ca000, size=42, end=0x14ca2a0, next=0x14c9000

p=0x14c9000, size=51, end=0x14c9330, next=0x14cc000

p=0x14cc000, size=16, end=0x14cc100, next=0x14cb000

p=0x14cb000, size=17, end=0x14cb110, next=0x14cc110

p=0x14cc110, size=238, end=0x14ccff0, next=0x14cb120

p=0x14cb120, size=237, end=0x14cbff0, next=0x6050c0

p=0x6050c0, size=0, end=0x6050c0, next=0x14ca2b0 <-- dummy

p=0x14ca2b0, size=212, end=0x14caff0, next=0x14c9340

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 9

Min: 256

Max: 3808

Average: 1820

Total bytes in free list: 16384

Number of sbrk calls: 4

Number of requested pages: 4

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 6 -----

Seed: 19283

Worst-fit search policy starting at head without coalescing

----- Begin unit driver 6 -----

There are 256 units per page, and the size of chunk\_t is 16 bytes

first: 816 bytes (51 units) p=0x1da5010

p=0x6050c0, size=0, end=0x6050c0, next=0x1da5340 <-- dummy

p=0x1da5340, size=203, end=0x1da5ff0, next=0x6050c0

second: 672 bytes (42 units) p=0x1da6010

p=0x6050c0, size=0, end=0x6050c0, next=0x1da62b0 <-- dummy

p=0x1da62b0, size=212, end=0x1da6ff0, next=0x1da5340

p=0x1da5340, size=203, end=0x1da5ff0, next=0x6050c0

third: 272 bytes (17 units) p=0x1da7010

p=0x6050c0, size=0, end=0x6050c0, next=0x1da7120 <-- dummy

p=0x1da7120, size=237, end=0x1da7ff0, next=0x1da62b0

p=0x1da62b0, size=212, end=0x1da6ff0, next=0x1da5340

p=0x1da5340, size=203, end=0x1da5ff0, next=0x6050c0

fourth: 256 bytes (16 units) p=0x1da8010

p=0x6050c0, size=0, end=0x6050c0, next=0x1da8110 <-- dummy

p=0x1da8110, size=238, end=0x1da8ff0, next=0x1da7120

p=0x1da7120, size=237, end=0x1da7ff0, next=0x1da62b0

p=0x1da62b0, size=212, end=0x1da6ff0, next=0x1da5340

p=0x1da5340, size=203, end=0x1da5ff0, next=0x6050c0

First free of p3 (1/15) p=0x1da7010

p=0x6050c0, size=0, end=0x6050c0, next=0x1da7000 <-- dummy

p=0x1da7000, size=17, end=0x1da7110, next=0x1da8110

p=0x1da8110, size=238, end=0x1da8ff0, next=0x1da7120

p=0x1da7120, size=237, end=0x1da7ff0, next=0x1da62b0

p=0x1da62b0, size=212, end=0x1da6ff0, next=0x1da5340

p=0x1da5340, size=203, end=0x1da5ff0, next=0x6050c0

Third free of p4 (1/16) p=0x1da8010

p=0x6050c0, size=0, end=0x6050c0, next=0x1da8000 <-- dummy

p=0x1da8000, size=16, end=0x1da8100, next=0x1da7000

p=0x1da7000, size=17, end=0x1da7110, next=0x1da8110

p=0x1da8110, size=238, end=0x1da8ff0, next=0x1da7120

p=0x1da7120, size=237, end=0x1da7ff0, next=0x1da62b0

p=0x1da62b0, size=212, end=0x1da6ff0, next=0x1da5340

p=0x1da5340, size=203, end=0x1da5ff0, next=0x6050c0

Memory is coalesced

Second free of p1 (1/5) p=0x1da5010

p=0x6050c0, size=0, end=0x6050c0, next=0x1da5000 <-- dummy

p=0x1da5000, size=51, end=0x1da5330, next=0x1da8000

p=0x1da8000, size=16, end=0x1da8100, next=0x1da7000

p=0x1da7000, size=17, end=0x1da7110, next=0x1da8110

p=0x1da8110, size=238, end=0x1da8ff0, next=0x1da7120

p=0x1da7120, size=237, end=0x1da7ff0, next=0x1da62b0

p=0x1da62b0, size=212, end=0x1da6ff0, next=0x1da5340

p=0x1da5340, size=203, end=0x1da5ff0, next=0x6050c0

Third free of p2 (1/6) p=0x1da6010

p=0x6050c0, size=0, end=0x6050c0, next=0x1da6000 <-- dummy

p=0x1da6000, size=42, end=0x1da62a0, next=0x1da5000

p=0x1da5000, size=51, end=0x1da5330, next=0x1da8000

p=0x1da8000, size=16, end=0x1da8100, next=0x1da7000

p=0x1da7000, size=17, end=0x1da7110, next=0x1da8110

p=0x1da8110, size=238, end=0x1da8ff0, next=0x1da7120

p=0x1da7120, size=237, end=0x1da7ff0, next=0x1da62b0

p=0x1da62b0, size=212, end=0x1da6ff0, next=0x1da5340

p=0x1da5340, size=203, end=0x1da5ff0, next=0x6050c0

unit driver 6 has returned all memory to free list

p=0x6050c0, size=0, end=0x6050c0, next=0x1da6000 <-- dummy

p=0x1da6000, size=42, end=0x1da62a0, next=0x1da5000

p=0x1da5000, size=51, end=0x1da5330, next=0x1da8000

p=0x1da8000, size=16, end=0x1da8100, next=0x1da7000

p=0x1da7000, size=17, end=0x1da7110, next=0x1da8110

p=0x1da8110, size=238, end=0x1da8ff0, next=0x1da7120

p=0x1da7120, size=237, end=0x1da7ff0, next=0x1da62b0

p=0x1da62b0, size=212, end=0x1da6ff0, next=0x1da5340

p=0x1da5340, size=203, end=0x1da5ff0, next=0x6050c0

MP4 Heap Memory Statistics

----------------------------------------------------

Number of blocks in free list: 9

Min: 256

Max: 3808

Average: 1820

Total bytes in free list: 16384

Number of sbrk calls: 4

Number of requested pages: 4

Heap status: all memory is in the heap -- no leaks are possible

----- End unit test driver 6 -----