

- Как выглядят блоки памяти:

size1	Node		
next			
prev			
Память, может быть свободной или занятой			
size2	Node2		
size1	Node		
next			
prev			
Память, может быть свободной или занятой			
size2	Node2		
size1	Node		
next			
prev			
Память, может быть свободной или занятой			
size2	Node2		

Пример работы программы:

```
Enter 1 if you want to get a piece of memory
Enter 0 if you want to free up memory
Enter - 1 if you want to shut down
Enter a value(1 or 0 or -1)=1
Enter memory size=64
Address memory=000001E8AD5BF3FC
Enter a value(1 or 0 or -1)=1
Enter memory size=512
Address memory=000001E8AD5BF1E0
Enter a value(1 or 0 or -1)=1
Enter memory size=128
Address memory=000001E8AD5BF144
Enter a value(1 or 0 or -1)=1
Enter memory size=32
Address memory=000001E8AD5BF108
Enter a value(1 or 0 or -1)=1
Enter memory size=40
Address memory=000001E8AD5BF0C4
Enter a value(1 or 0 or -1)=1
Enter memory size=256
Address memory=000001E8AD5BEFA8
Enter a value(1 or 0 or -1)=1
Enter memory size=16
Address memory=000001E8AD5BEF7C
Enter a value(1 or 0 or -1)=0
Carefully enter the address
Enter the memory address=000001E8AD5BF108
Memory is released
Enter a value(1 or 0 or -1)=0
Carefully enter the address
Enter the memory address=000001E8AD5BF0C4
Memory is released
Enter a value(1 or 0 or -1)=0
Carefully enter the address
Enter the memory address=000001E8AD5BF3FC
Memory is released
Enter a value(1 or 0 or -1)=0
Carefully enter the address
Enter the memory address=000001E8AD5BF3FC
Have you already allocated this memory block
Enter a value(1 or 0 or -1)=1
Enter memory size=72
Address memory=000001E8AD5BF0E0
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```
Enter a value(1 or 0 or -1)=1
Enter memory size=64
Address memory=000001E8AD5BEF20
Enter a value(1 or 0 or -1)=0
Carefully enter the address
Enter the memory address=000001E8AD5BF0E0
Memory is released
Enter a value(1 or 0 or -1)=1
Enter memory size=64
Address memory=000001E8AD5BF3FC
Enter a value(1 or 0 or -1)=1
Enter memory size=256
Address memory=000001E8AD5BEE04
Enter a value(1 or 0 or -1)=1
Enter memory size=128
Address memory=000001E8AD5BED68
Enter a value(1 or 0 or -1)=1
Enter memory size=256
There was no free memory for this size
If you want to continue filling, try requesting a smaller memory or free up memory.
Enter a value(1 or 0 or -1)=0
Carefully enter the address
Enter the memory address=000001E8AD5BEE04
Memory is released
Enter a value(1 or 0 or -1)=-1
Free memory: 684
Applied memory: 1364
All memory : 2048
Loosed memory: 0

C:\program_visual_studio\vis2\2_5\x64\Debug\lab2_5.exe (process 27440) exited with code 0.
Press any key to close this window . . .
```