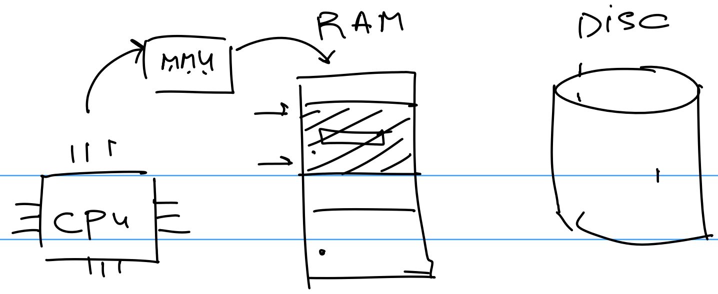


PROCES

A.exe

sp ← 0x.....

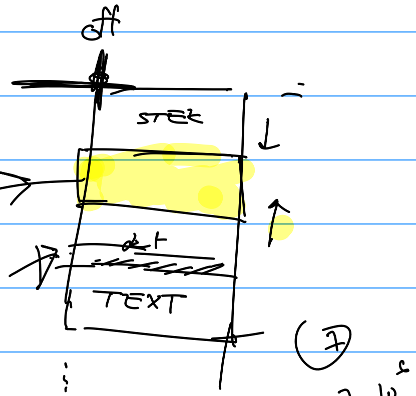
data, bss, text.

seg data

n: dd 5.

end

интерна фраг.



.scanf("%d", &n) 7·10^5

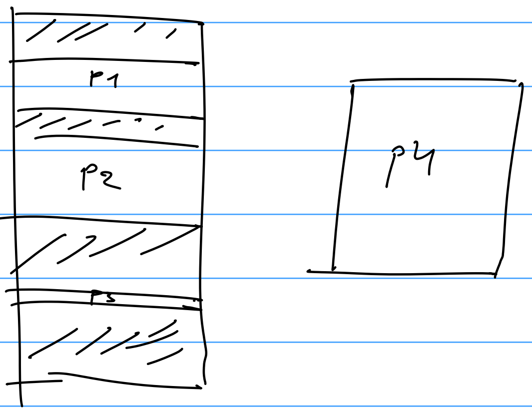
malloc(n);

f(n) {

f(n-1)

nx

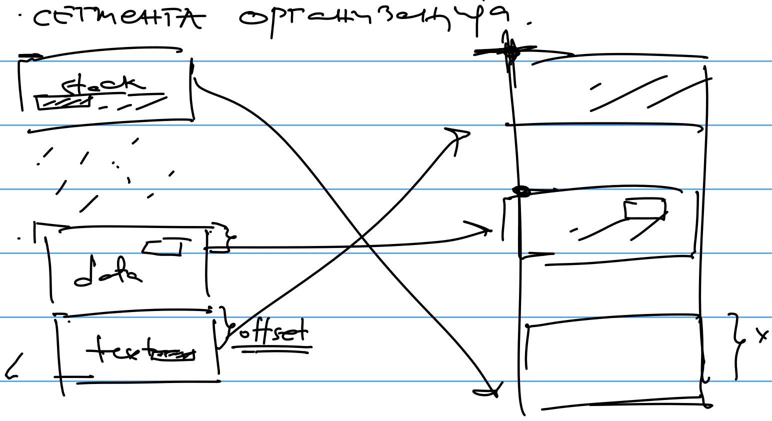
f(n)

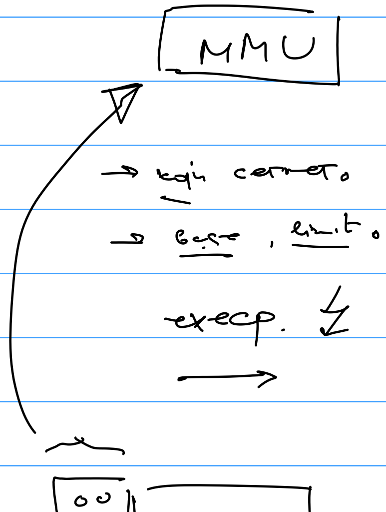


32 - bit

екстерна фрагментација.

сегментна организација.





→ кој сегмент.

→ base, limit.

execp.

00

01

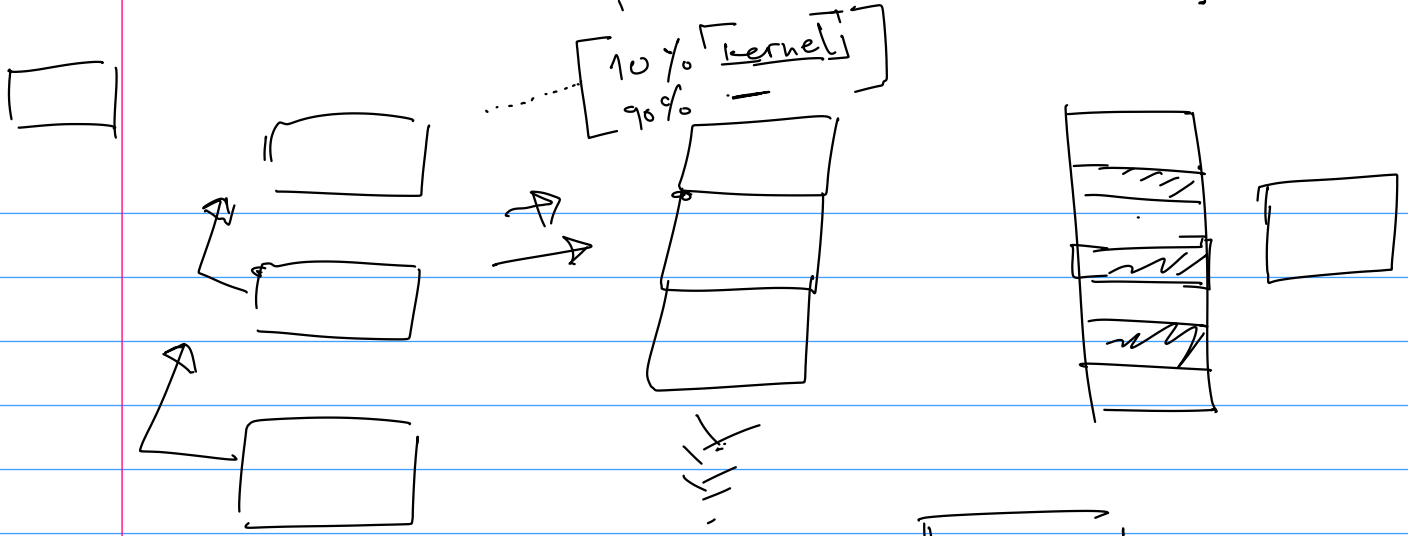
10

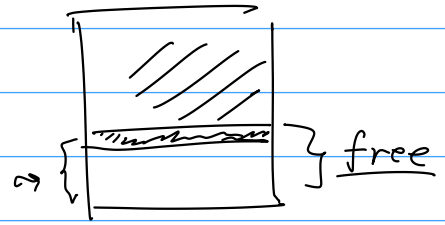
offset

base:

limit:

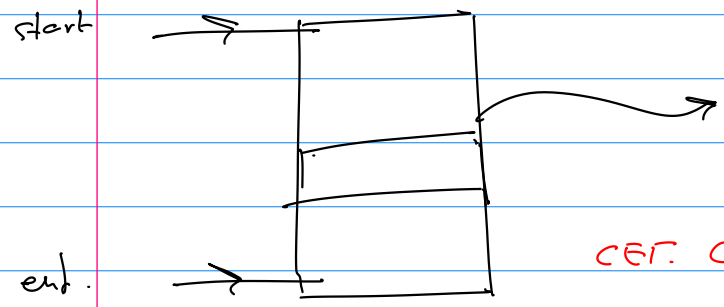
first fit, worst fit, best fit.





malloc (size) → *

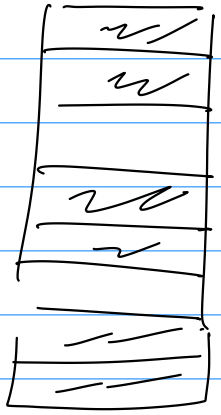
free(*ptr)



CET. CTP.

PAGE.

BLOCK_SIZE 1MB



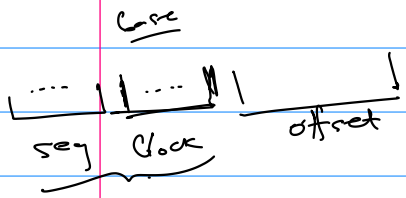
x → [x / Bloc_size]

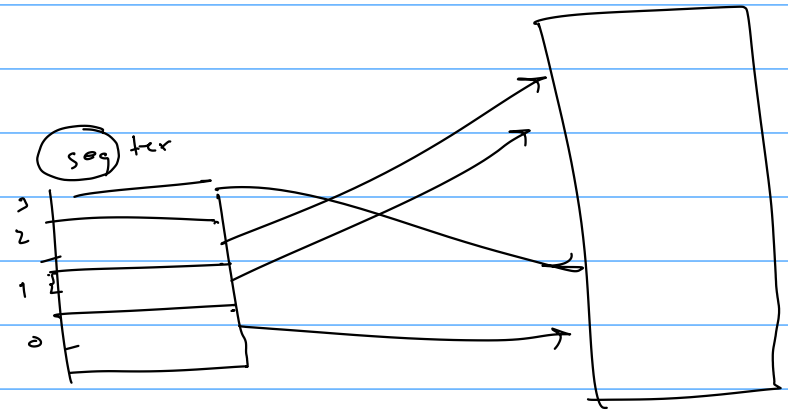
5.6 MB

⌈6 − 5.6 = 0.4 MB

< Bloc_size.

seg test. 5GMB





SegDesc

0 → 0xF....

1 → 0x1....

3 → ....

Страничная организация. 4KB

64 — 2^{64} AU

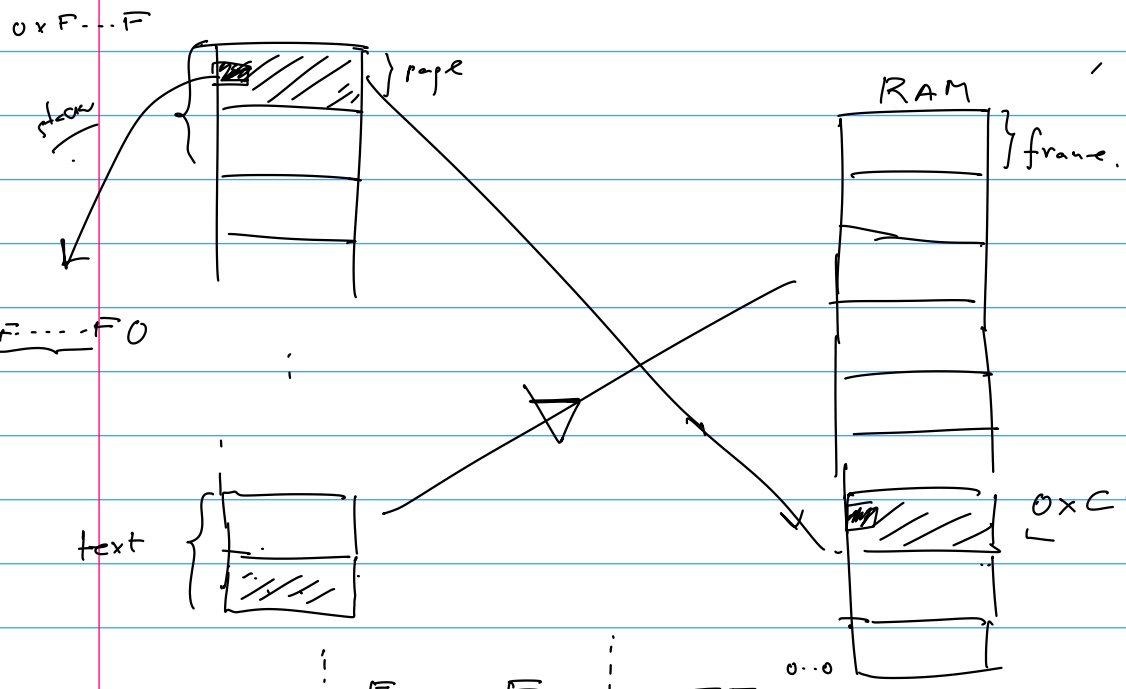
$2^{64}B = 2^{24}TB \approx 10^6 TB$

$K = 2^{10}$

$M = 2^{20}$

$G = 2^{16}$

$T = 2^{40}$



4KB = $2^{12}B$

12 б

0xC0...0

2^{12}

C0...0 | FF0

page → frame

PMT