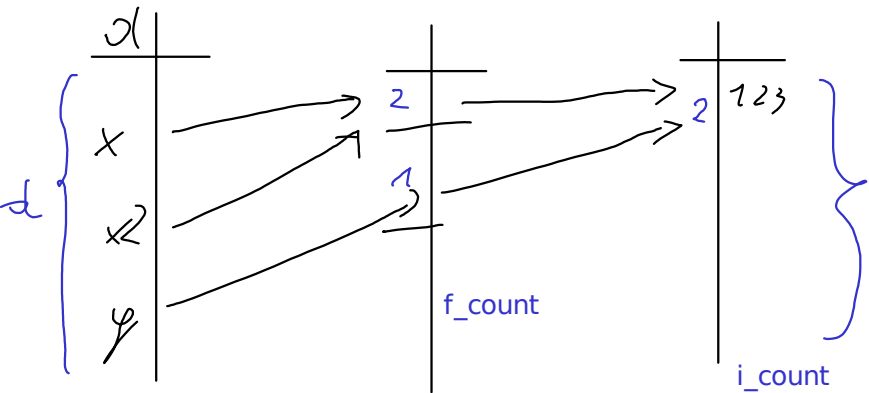


PROCES

SYS

1 - WŁC 2 CŁ

1 4 1



==
 włc / n
 cł / m

↑
 "open"
 poz.

plik

~~$d < n$~~ ?
 $d > n$? ✓

```

fd = open(plik[0], ...);
for (int i = 1; i ≤ 5; ++i)
{
    if (!fork()) break; // Dziecko kończy się
    fd = open(plik[i], ...);
}

```

11A2

plik	f_count
[0]	6
[1]	5
⋮	
[5]	1

ojca

0	stdin
1	stdout
2	stderr
...	
i	plik[0]
i+1	plik[1]
i+2	plik[2]
...	
i+5	plik[5]

p 1

0	
1	
2	
...	
i	plik[0]

p 2

0	
1	
2	
...	
i	plik[0]
i+1	plik[1]

p 5

0	
1	
2	
...	
i	plik[0]
i+1	plik[1]
...	
i+4	plik[4]

RAM

PROCS

+

SSS

+

1-2

+

i-węzeł / i-node

"+"

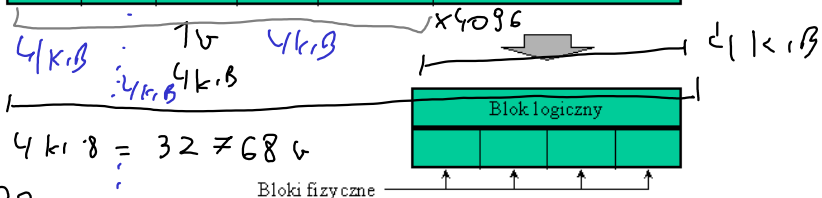
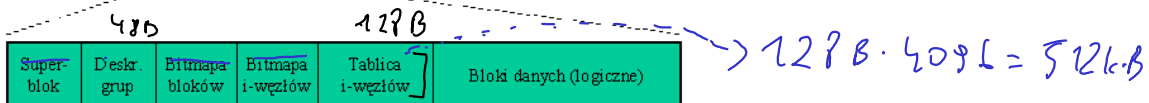
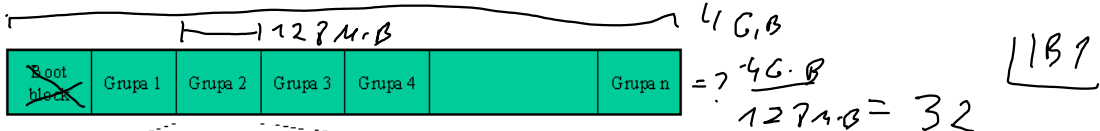
"-"

(RAM/SSD)

i-węzeł / i-node



BLOK



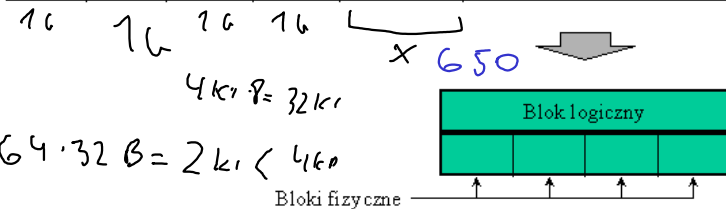
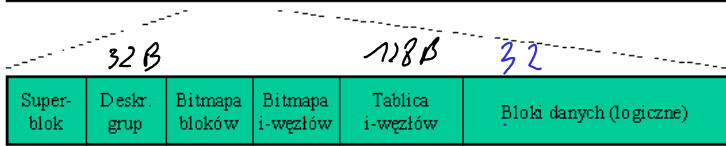
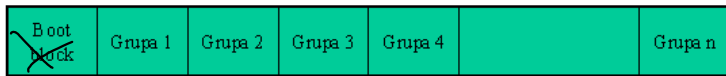
Handwritten calculations:

- $4 kb \cdot 8 = 32 \neq 68$
- $32768 \cdot 4 kb = 128 MrB$
- $48 B \cdot 32 = 1536 B < 4 kb$

Handwritten calculations and a final result:

- 528 kb
- $4 kb + 4 kb + 4 kb + 4 kb + 512 kb$

- 128 MrB
- $\approx 0,4\%$



86 B

$$\frac{1274 B}{86 B} = 64$$

4 kb · 8 = 32 kb > 20900

$$\frac{4 + x}{32 kb} < 0,02 \Rightarrow x < 651,36$$

x := 650

86 B

11 B 2

$$= 64 \quad 32 kb - 654 =$$

$$32714$$

$$\frac{32714}{20900} \approx 1,5$$

32 kb

$$32 kb - 4 kb = 1274 B$$

4 kb B

1-węzł 2000: $\frac{650 \cdot 4 kb}{128 B} = 20800$

x < 651,36

x := 650