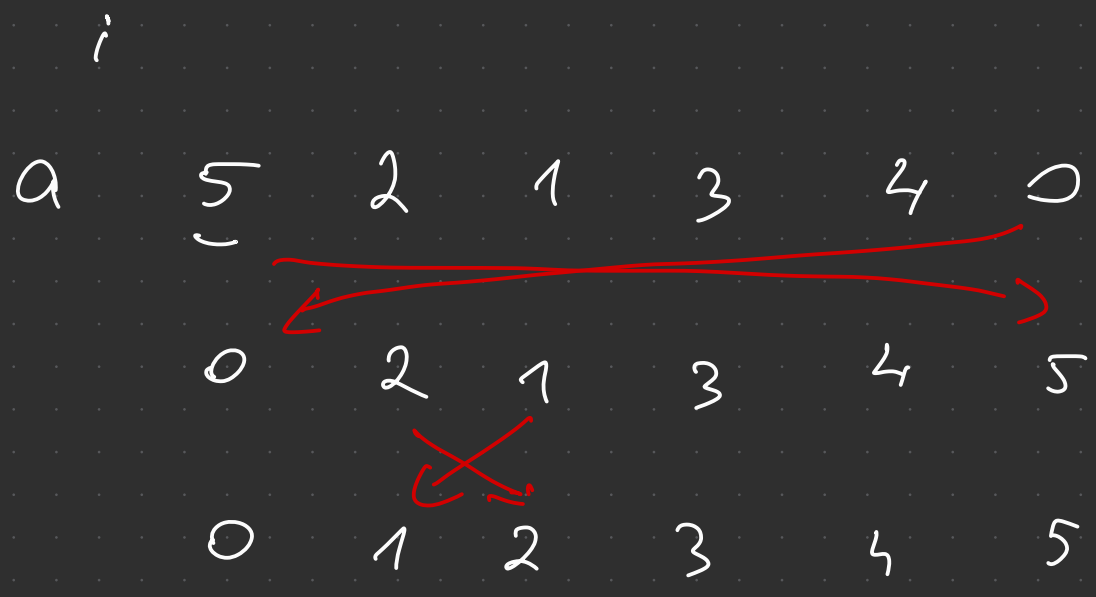
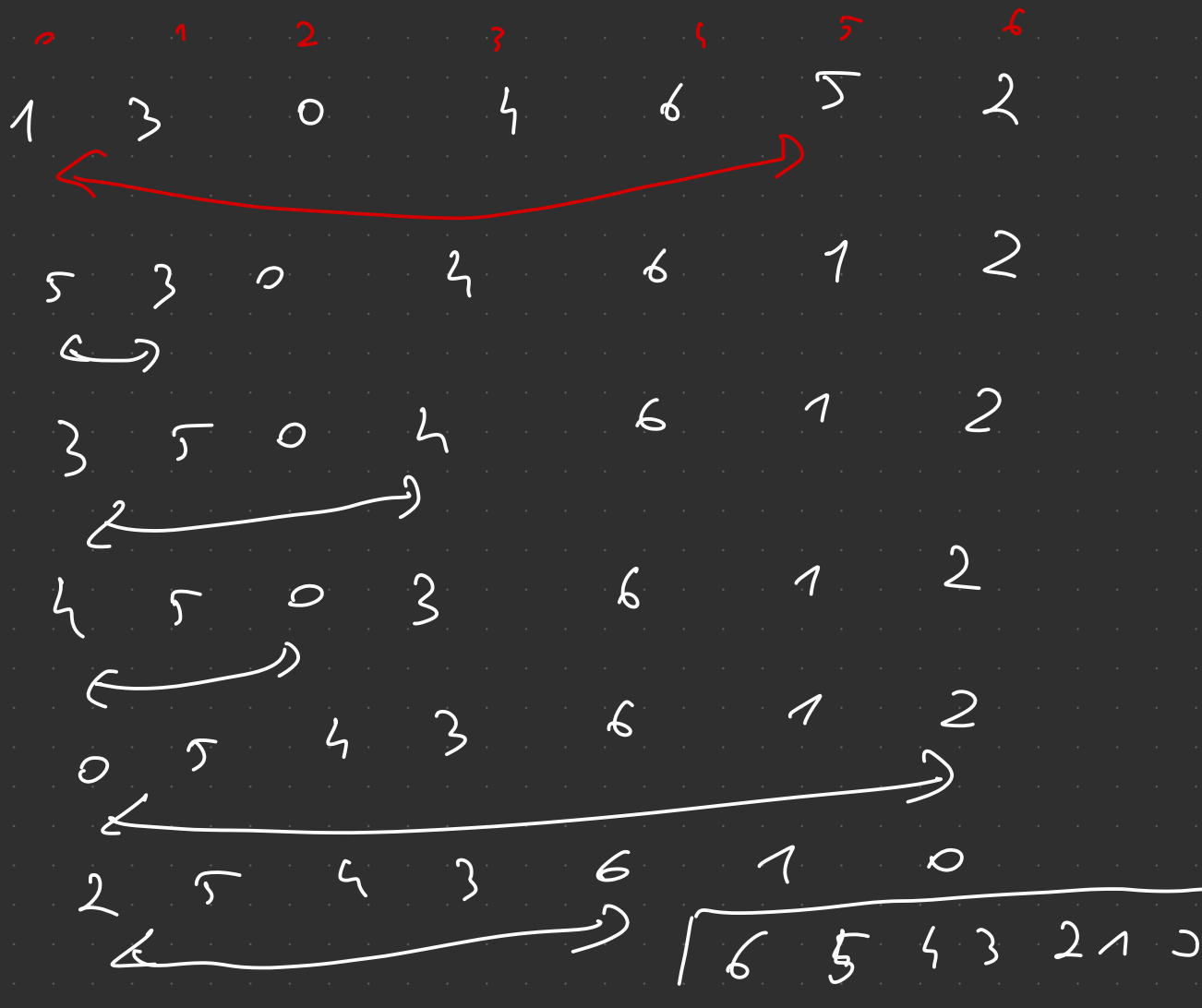
Sortări Avansate

Binsort / Counting sort





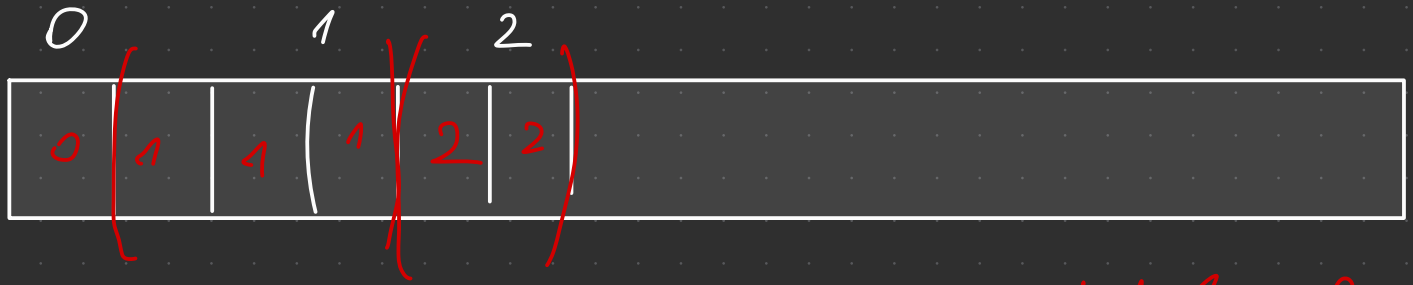
Distributia cheilor

a	5	2	1	5	3	5	4	2	0	1	1

d	0	1	2	3	4	5
	0	0	0	0	0	0
	1	1	1	1	1	1
		2	2			2
						3

```
d[a[i]]++
```

poz i->	1	4	6	7	8
	0	1	8		
		2	4		
		1			



I Contorizeaza primul tablou->fiecare

II Adăugare dreapta->stânga în tabloul original

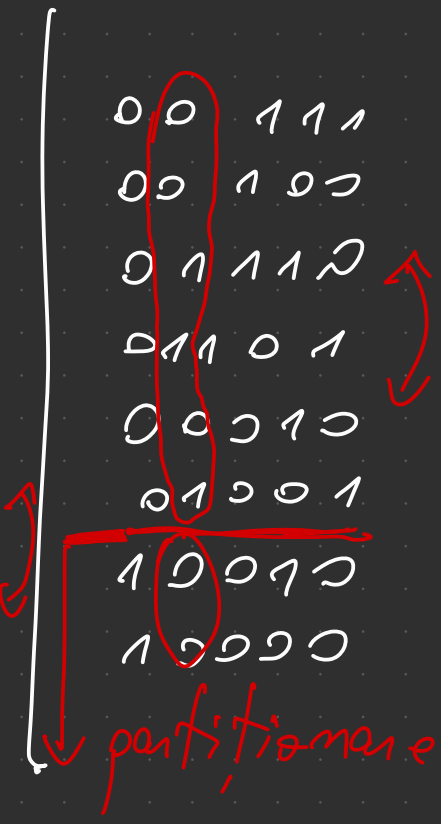
sup(&a[i], &a[n-1-a[i]])

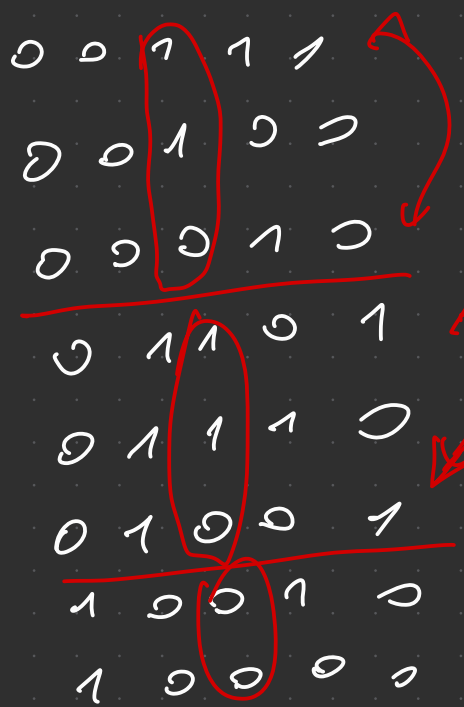
Radix Sort

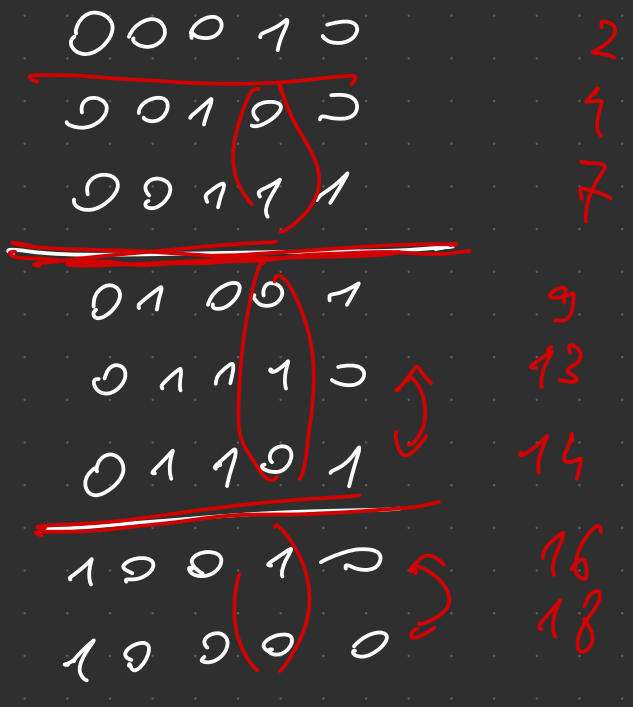
→ timp cont de cifre (+ baza de numeratie)

(1) Radix cu interschimbare

	4	3	2	1	0
7	0	0	1	1	1
4	0	0	1	0	0
14	0	1	1	1	0
13	0	1	1	0	1
2	0	0	0	1	0
16	1	0	0	0	0
18	1	0	0	1	0
9	0	1	0	0	1







200
102
113
203
201

113
102
200
203
201

102
113
200
201
203

---

(2) Radix Sort Sheet

200
102
113
203
201

d	0	1	2	3
	1	1	1	2

1 2 3 5

0 1 2 3 4

200 201 102 113 203

200
201
102
113
203

d	0	1	2	3
	4	1		

4 5 5 5

0 1 2 3 4

200 201 102 203 113

200
201
402
203
113

d	0	1	2	3	4
		2	3		

0 2 5 5 5

-> grupuri de biti: dr -> st

index	0	1	2	3
	00	01	10	11
val	2	2	3	1
	2	4	7	8

7 0 0 0 1 1 1
4 0 0 0 1 0 0
14 0 0 1 1 1 0
13 0 0 1 1 0 1
2 0 0 0 0 1 0
16 0 1 0 0 0 0
18 0 1 0 0 1 0
9 0 0 1 0 0 1

"100 de femei nu valorează cât un testicul"

Confucius

200000 EUR

-> val. femei < 2000 EUR

hoeflation