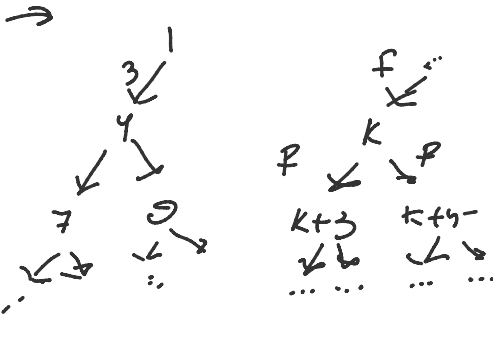
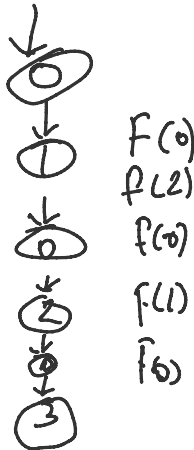



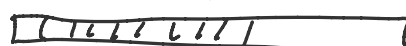
$f(k): k == N$ return
 $k > N$ return
 $f(k+3);$
 $f(k+5);$



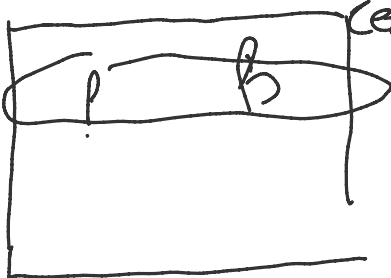
② 0 1 0 2 0 3 → 3
 0 → 0

$f(s, i):$
 if $i == s.size() - 1$
 return $s[i];$
 return $\max(s[i],$
 $f(s, i+1));$



string $s = t;$ 
 ↳ copy $O(n)$
 s 

string & $s = t;$ 
 $O(1)$



return $((l[s+1] < w[s+1] < b[s+1]) ||$
 $b[s+1] < w[s+1] < l[s+1]) \&\&$
 $l[0] == w[0]);$

is Between (a, b, c)
 return $a < b \&\&$
 $b < c;$

... ..

Ор. граф $G = (V, E)$, мнж. V
 это мнж. вершин, $E = \{(v, u) |$
 $v, u \in V\}$.

$$V = \{0, 1, 2, 3\}?$$

$$E_1 = \{(2, 1), (1, 0),$$

$$(4, 1)\}$$

$$E_2 = \{(1, 2), (1, 0),$$

$$(4, 1)\}$$

n вершин. $\rightarrow V = \{0, 1, \dots, n-1\}$.

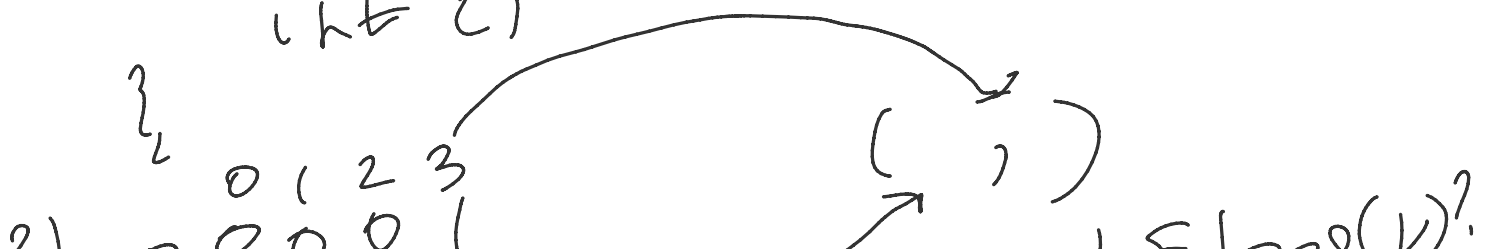
$$E = \{(0, 3), (3, 1), (1, 2), (2, 3), (1, 2)\}.$$



1) Список рёбер:

$\text{vector} \langle \text{pair} \langle \text{int}, \text{int} \rangle \rangle g;$

Struct $\text{pair} g$ — хранить
 список рёбер
 $\text{int } l;$
 $\text{int } r;$
 вершин $O(n)$.



2)

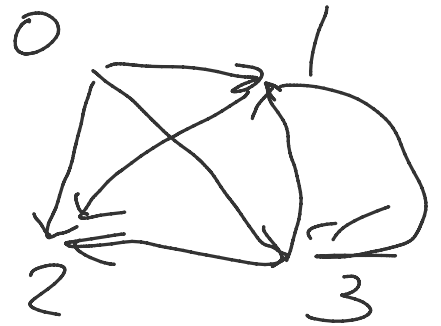
	0	1	2	3
0	0	0	0	1
1	1	1	0	1
2	0	0	0	1
3	1	0	0	0

get Edges(v)?
 $O(n)$

Матрица смежности

3)

0	1, 2, 3
1	2, 3
2	
3	1, 2



`vector<vector<int>>`