$$m = \alpha_1$$
  $\Theta(1)$   
for i in range  $(z, n+1)$ :  $\Theta(n)$   
 $m = max(m, \alpha_i) \Theta(1)$   
 $POBHO n-1 CPABN$ .

AOKAXEM ROPPEKTHOCTO ANT. MOUCKA MOX

BUTTONH. TIPU 
$$i=2$$
:  $m=m\alpha\chi(\alpha_1,\alpha_2)$ 

ΠΕΡΕΧΟΔ (ΨΑΓ ΝΗΔ.): 
$$max(\alpha_1, \alpha_2, ..., \alpha_{\kappa+1}) = max(max(\alpha_1, ..., \alpha_{\kappa}), \alpha_{\kappa+1})$$

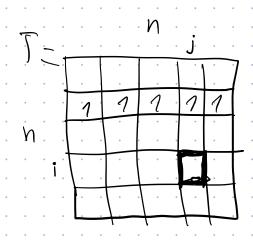
And 
$$i = K$$
 uhb, Bb(  $\Pi_{i}$ ,  $T_{i} \in M = Max(Q_{1}, ..., Q_{n}) =>$ 

$$=> And i = K+1 \quad m = Max(max(Q_{1}, ..., Q_{n}), Q_{K+1}) = Max(m, Q_{K+1})$$

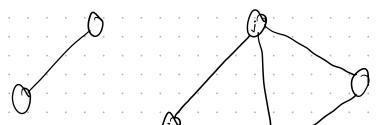
$$= Max(a_{1}, a_{2}, ..., a_{K+1})$$

$$= Max(Q_{1}, ..., Q_{n})$$

$$= Max(Q_{1}, ..., Q_{n})$$



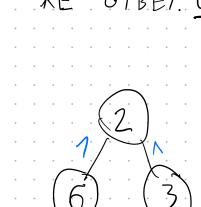
T[i,j]=1 ECAU Q; = Q;

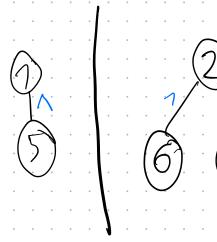


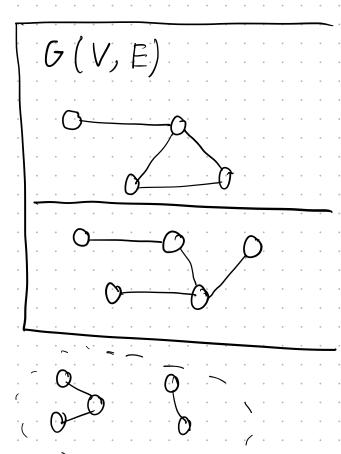
- 1) TPU < N-1 CPABH. B FPAPE >2 KOMMOHENTOL CBAZHOCTY
- 2) ANTOPUTMBI AETERMUNUPOBAUNDE U OTBET 3AB TOABKO OT PESYAGT. CPABHEHUÑ
- 3) БЕЗ ОГР. ОБЩ. ПРЕДП., ЧТО MAX B 1 KOM n. CB.

MPNEABUM KO BCEM MUCAAM BO 2 KOMT. CONST TAKYRO, 4TO BCE YUCAA TAM > MOX

4) PESYALT CPABU. HE USMEHUAUCH. AAT. JACT TOT KE OTBET OTBET HEBEPEH







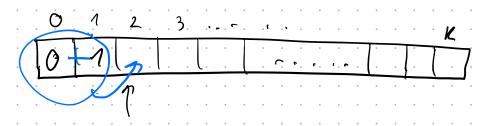
 $\leq n-2$ 



```
ЧИСЛА РИБОНАЧЧИ
 F. = 0
                             0, 1, 1, 2, 3, 6, 8, 13, 21, 34, 55,...
 F_1 = 1
  Fr+1 = Fr + Fr-1
                                                      K = 11111.... 11 K= 1.00...
                                                     K = 2^{N+1}, \quad K \ge 2^{N}
                            n = \lceil \log \kappa \rceil
  K-e 44C10
BAPUAMT 1: PENYPCHA
 def Fib(K):
       if (K == 0): return 0
                                                         F<sub>k-1</sub>
        if (K == 1):
                                                        Fr-2 Fr-3 Fr-3 Fr-
            return 1
        return Fib(K-1) + Fib(K-2)
            S(1)
  FR = Fx-1
 F_{k+1} = F_k + F_{k-1} \ge F_{k-1} + F_{k-1} = 2F_{k-1} \ge 4F_{k-3} \ge 2F_1 = 2
 \mathcal{L}\left(2^{\lfloor \frac{k}{2} \rfloor}\right)
  \int_{0}^{\infty} \left( 2^{\lfloor \frac{2}{2} \rfloor} \right)
                                      = 10000000
  \int_{\mathbb{R}^{n}} \left( \int_{\mathbb{R}^{n}} 2^{n} dx \right) dx
```

BAPUANT 2: COXP. MOM. PE3.

K-E YUC10



ANT.

return Fs[-1]

$$\Theta(2^n)$$

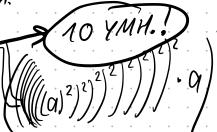
FBICTP. BO3B. B CTEPEHB

$$\alpha \cdot b = \alpha + \alpha + \alpha + \alpha$$

$$\alpha^b = \alpha \cdot \alpha \cdot \alpha \cdot \ldots \cdot \alpha$$

$$Q' = Q \cdot ... \cdot Q = (Q^{7})^{2} = (Q^{6} \cdot Q)^{2} = ((Q^{3})^{2} \cdot Q)^{2} = ($$

$$(q^{514} (513) (q^{257})^2 = ((q^{128})^2, q)^2 = ...$$



```
b = 101 ..... 10
142 = 1(110)
 curr = 0
 for b in pow_bin[1:]:
      CUrr = curr 2
      if (b = = 1);
         CUrr *= Q
     #WATA
                CUrr
                (Q^2) \cdot Q = Q^3
               (\alpha^3)^2 \cdot \alpha = \alpha^7
                (\alpha^7)^2 = \alpha^{14}
   \Theta(n) YMHOX
    M=1/1092 bil
```

$$8 = 10000$$

$$(\alpha)^{2})^{2}$$

$$(\alpha)^{2})^{2}$$

$$(\alpha)^{2} = (\alpha^{1})^{2}$$

$$(\alpha)^{2} = (\alpha^{1})^{2}$$