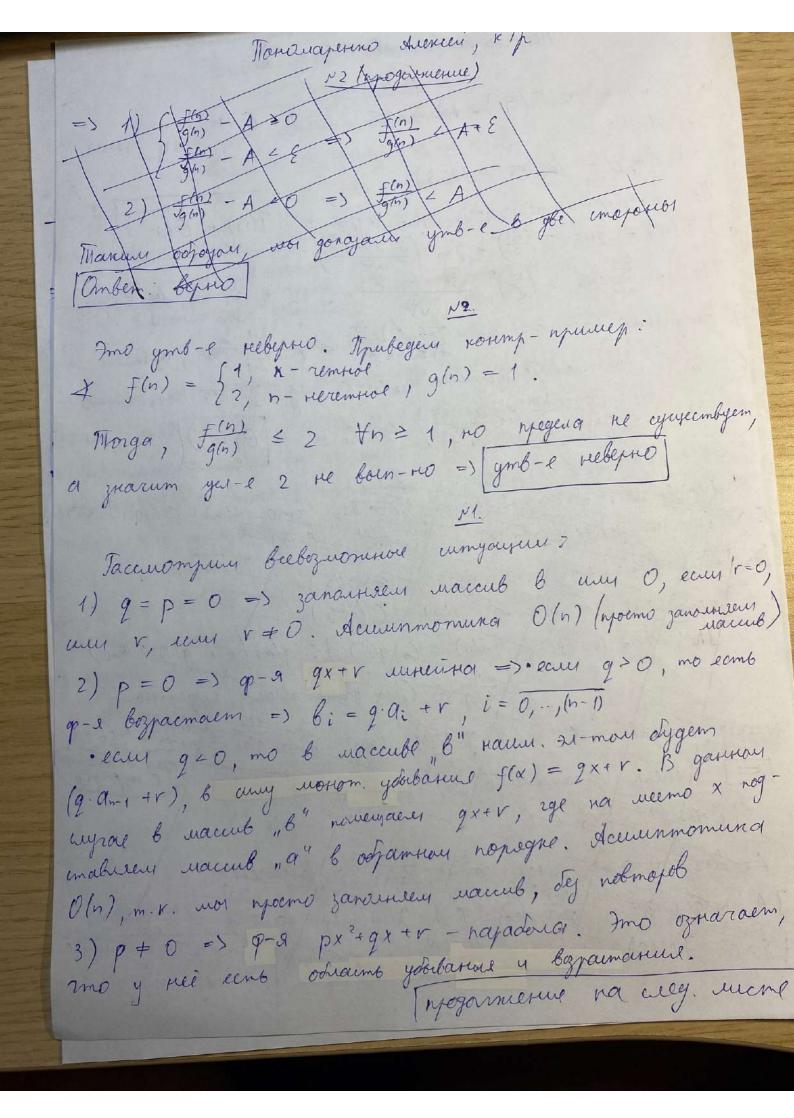
```
Nonoureperino Anexceit, xp.
           a) T(n) = 25 \cdot T(\frac{n}{4}) + n^3 = 25 \cdot T(\frac{n}{4}) + \theta(n^3)
                 2) logo a = logu 25 t (2; 3)
             To macmen-meopene => d > logod => T(n) = Q(n3)
   (\sqrt{3}) T(n) = 243 \cdot T(\frac{n}{3}) + 2n^5 (\frac{\sqrt{5}n + \log_2 n}{\sqrt{5}n})
           T(n) = \sum_{k=0}^{n-1} 243^k \cdot 2 \cdot \left(\frac{n}{3^k}\right)^5 \cdot \frac{\sqrt{n}}{\sqrt{n}} + \log_2 \frac{n}{3^k} = 2n^5 \cdot \sum_{k=0}^{n-1} \left(1 + \frac{\log_2 \frac{n}{3^k}}{\sqrt{n}}\right) = 2n^5 \cdot \sum_{k=0}^{n
 ≠ omgent pacanonymy = 10923 = C. E. 3 1/2, ige
    C = 109,2, or manne zamemen, 2000 peg = 34/2 ex-cig =)
   =) T(n) = 2n^5 \cdot \sum_{n=0}^{h-1} (1 + \frac{\log_2 \frac{n}{3\pi}}{\sqrt{\frac{n}{3\pi}}}) \leq C_0 \cdot n^5 = \Theta(n^5)
        Penno ou romo gut go un this R.o., romo flat = Otg(n) (=)
E foin-no yet e 76 0 monos gin) se (2)
 Vacnusium no entro fin O(gtn)
                          IN: \tn=N 3Co ffn) & Co gtn) 1: gfn+(m.k.gtn) & IR20)
                                                                                                            (a) to garee geroen pregenotions
 repting & repatenemble a naugracial some from the
         ( Henero govaruent by own emororly
             ( they man progent of f(n) or passwell.
       ] A - Miger go y gen) (A = C) Jaconiment no ong to
       48>0 3NE). Hp= N (150m)-A128
```



Tonougerero Avenceri, K/p N1 (mogammene) · eaus p>0, no bember najadores nanp-res bbeps Parigen Bepunny Xo = - Fp. Tem hume $\rightarrow x \times x \times x_0$, mens menome f(x) = 0=) replous genore rportgenere no macemby is raingent In Mai - maneumaileno druguent (|ai - Xo | = min) k Xo.

Monenjaeres ero 6 maccub «6" на позицию 0 как нашиеноший.

Dance emabure gber указатель слевы (4i-1) и страва (4i+1) om nouvero 21-ma leur ai - 2mo rebout mus mabout nouvey macemba, mo moemo denum go ero gryroro nomesa). Daniel gabrubaen 2 ruera, narogensuren no gragamenten, 4 nonemacus messonini y mex 6 maccub "B", egburan указатель от нашего наиболее бизного. Так действуну, nona oder gragament me granigm na rosusos maccuba. Imom auropeumus koppenment, m. v. ust na kaxigois mare bordapaeus namu. ey. 21-mob, npu smous ugnaranoteo ugil om nameromen morny napadores (xo), a ugens nos B стороны от вершины, т.е. по возрастанию. Acuummomuna: O(n) + O(n) = O(n)

nouen nauderiel i pay monoganical
chiagnero si-ma no been su-many "a" 4) PLO. Anavorarro nyrenny 3, morono zanavolbant b naich ", b" Lygens c noncesa Umoro, no noempoure ropperment auropumus aveneroumy O(n)

1) Auropumu: gropumpijem marcub, b gention in, kom-is dygen zanamemb max: agen no naceuby a"b onejamurb. naugmu. Eau ai > n, no nuvero ne geraeu, unare godabreen & nam nacent, b"nor nozursuso ai egurungy. Thoriger no being nacurely " a" 1 pay, agent no naccurey 116°. Euro Bemperaery 0, mo mo y dygem ombem, mo ecmb, eary bi == 0, mo i - ombem. Eary new yournest no beeny nacenby, a b rein the oxaganeolb un ogtern regul, ombern: n.

Roppermetouno: zamemme, smo eeus menegy kanung-- mo offens su-many macenda, a " emb modera, mo ombem chygen was 6 mors spectere, was passowe. Eans bet ruence uggm om 0 go (n-1) nogpieg, mo orebugno neplo. катур. гистом, отсутст. в массиве, будет чино п. Early Haller. 21-m reacember >0, mo ruero 0 4 dygen raumer ombenou. By nomubicous engroil, omben dygen nauep areijner naccuba, 1, b, kom-is venum O. Chorestoems: O(n) + O(n) = O(n)

ugens no ugens no
vacuby "a" waterby "b"

2) Arropumu: anompun replont 21-m - cenis on se 0, mo. embers o. Urare denum no maccorby ", a" go mex nop noka meregey. 21-m re dygen ommirgmoere om njegolgyujero darle, rens 10 1 =) omben (mercyus. 21-m -1). Urare omben (an. +1)

Curieroemo: O(n) - moimo 1 por monogenne no maccuber

3) Коргентность: испанучен нетод противника. Han reodnogumo njobepumo camoro reptoro 21-mos maccuba "9", a ganel glenamore remisere ombem 401 benjoe: (ai > ai, +1?) Hoseaucepenno Avenuer, 12/2 ~4 (mogarnieras)

Hau, kak njombrung, bonognel, eens bierge dygen omben " ren", noxa moi me movigen bre 21-mos naccubos. Manne mo wegyen y moro, mo va n jajuur noguyuer naccuba "a" morym comosmo menomes rucuo 21-mob (cy-za nobnopermis) my-ja rero beerga dygem neods. mobeneme bie 21-mor nacemba, a"

I & closery pomerning crumare, rmo rev Auropumu: баноне рі, тем воше приоритет. Строни очерев С приоритетами. Храним сумпарное вреше восполнения всех задач, и сконоко диетия технучая. При добавлениц Hoboro 21-ma ero nproprimens wender max: uperdabriaery i Heling cynning beex brewish bornouth- & u bornindens brend born-8 menyaser.

Cuoniscomo: Manuer enocodor nos na kanegar mare das дгоришрует очередь с приоримении за O(m), еде m-menyay. cymagnol kar bo zanjocob u uzbrenaem ny gepeba zer O(log(m)) zagary (naud nperopermenaer. Mo eemb, cynunapro

neugraeu: 0(m.logm)

Roppennions: aregien y chairmb ouejege c njerojumeman, a manne boinvisience yet is zagaris

Arropumu: empour no naccuby "a" kpaeno-reproc gepebo, 6 rom-e rouewalus nopy rucen (i; ai). Danel Cremmount: O(n log n): denum ho n 21-many maccuba, 4 39 Ollogn) goemaen cy gefebol