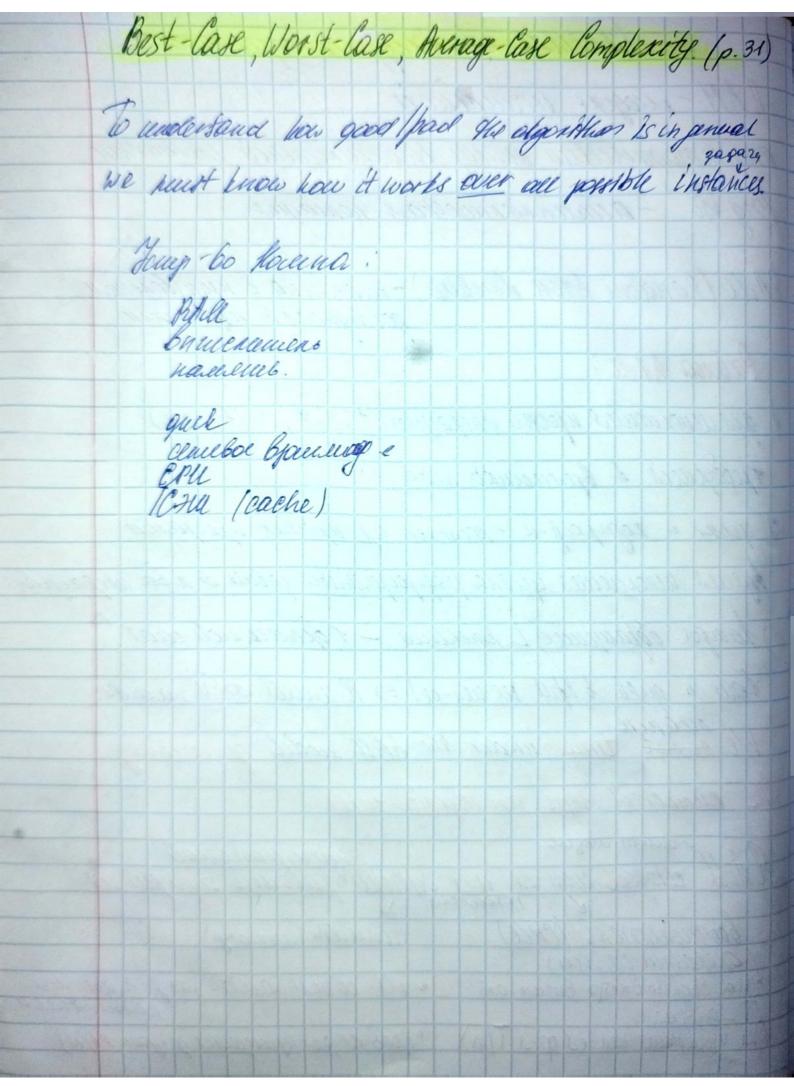


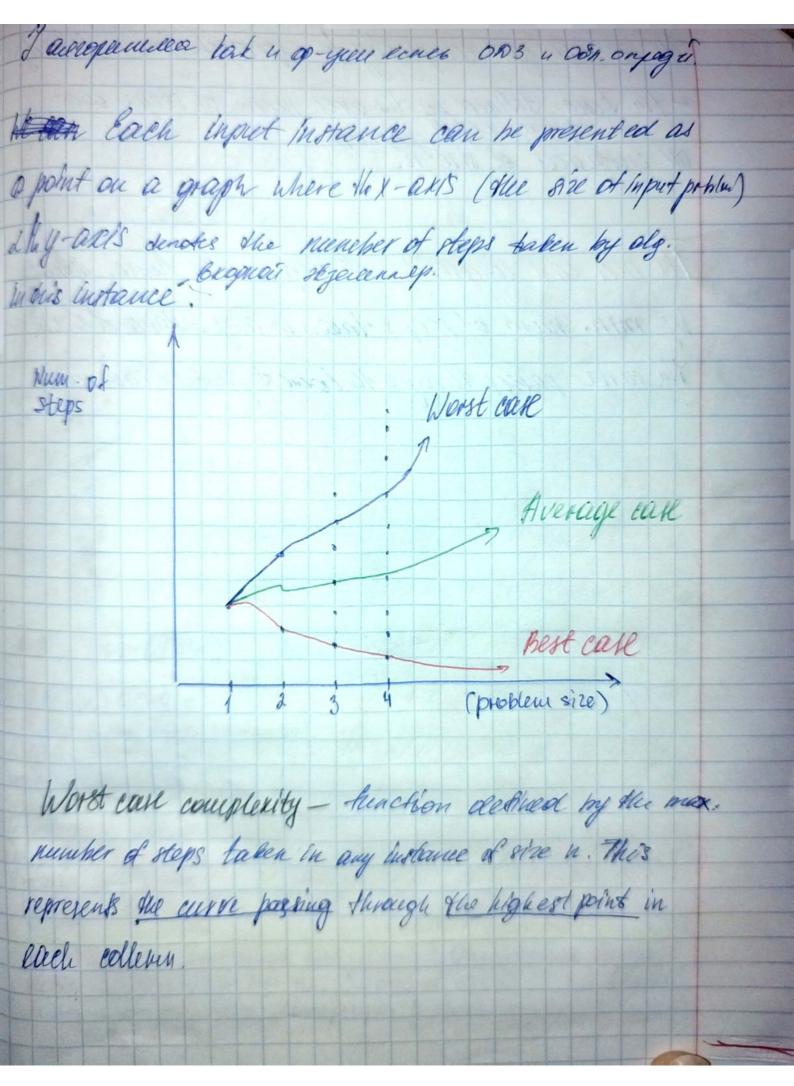
Сканировано с CamScanner

Имена вистия америтив RAM - Magent borrunemeer пошительний видиц вачистиный сполижения. , Mg Ок "- пишининевал помация At ll (handou Accen Machine) - manure e njoughoroment genegraes à naverseur. Padoua RAM: of ghe unormended upocotà onepaquei (+;-; +, = ;+, care) Пресодения в временной шак 2) ускли кодпрося и - согани из прасти просрами. время имения унела радрирамием завись об и ва подация. 3) hangoe espagence te racelluce - 1 beacerous mas! Roue a quel 6 Rhll ree wen-ce! => Pl weller so V nameron. We count time under the Ahll model by counting the number of steps an algorith takes. AAM alogens ucm-us gell eggenkur padouin amopeinus formenement (CPU)

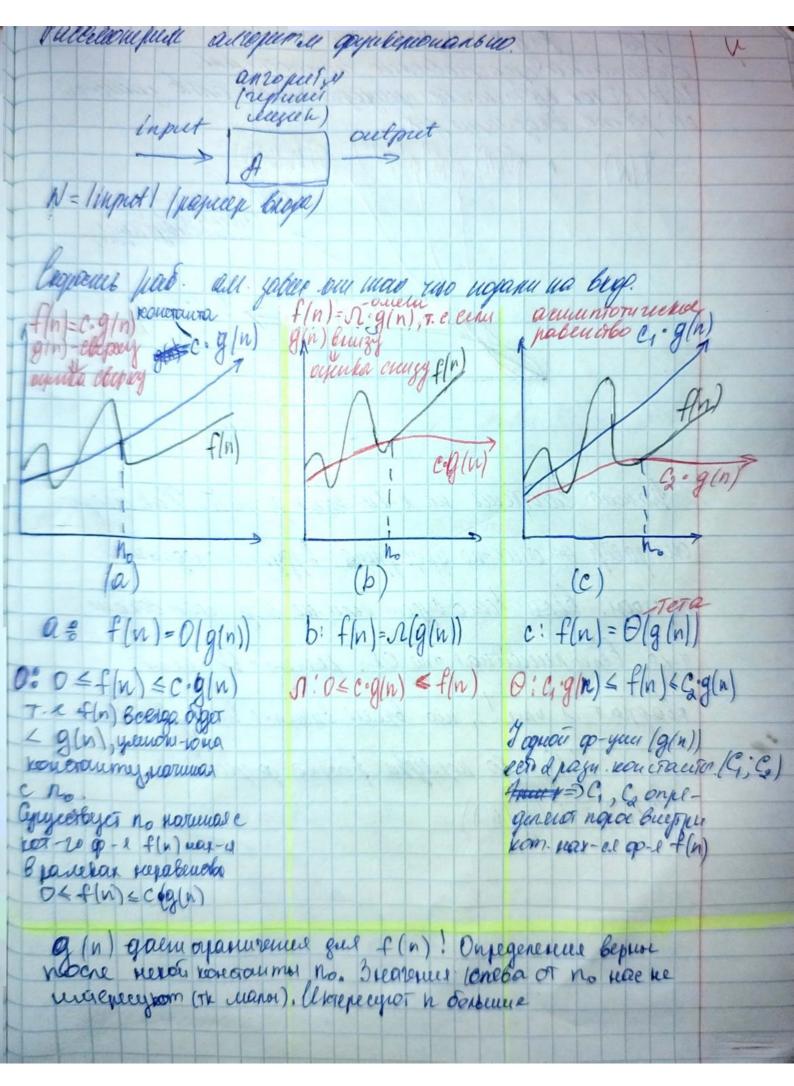
(aneparque c?-less)

Ha chouse obicipo bureca an ell-edices mandelle graf · ell- od oce vallette gre g-x, not una painone vala. T-Breiter Due usclupenia un-cs ap-s T(n)





The average case complexity to expected time) of the dy - He sume defined by the over hum of steps over experiences of size n. The best case complexity of alg. - He here defied by min. nem of steps faken in any instance of sich. The curre passes through the bowest point in each edum. Сканировано с CamScanner



Ang On Notation Notes-es was again menines mongropurenences and zaturns T/N) 1 10/N!) 10/21/20/N2), 0/h logn) O(N) - Mented no (userages) nous) > Ollegn) haveno compens na x-ku mux q quet. Hat onepo она растр до отос-ио друг дрера. Будут и пределние перекоры. Вым всиго бурит сем па вед подаж остом. 7-10. Cenu reccevenas, 700 Ok. Ker-un-Ok, ceny rhagnar. 1 um. !, mo braces buener Dreus your el. ajento rejulcha pooma go que. f(n) = O(g(n))

Hu your u x ba becg. g-x morgon paeme 2 not wel! · Exerce bu monnement ans. 12 д Он - повод-т сворого зоения вишени и намеря O(N) - MINICIPAL OF-GILL L'ECEPOLU 11-60 Cropy p-x facult 4 Belle (117-1 rentourle jasen - 10) 0/1/- noucanna enompoims.

Ne Bruses na Grand lan-e ans. O/log n) - noropugo munichas cho renoca / 1.9. ant. O/n logn) - enounceurs ampumua merge sort. - 2-4 спискам орин влопом во 2-4) 0/112) O(43) - hydereckail. (Denuce no 3 me Brown 4 О/ 1- экинициальные споненова.

	and Market and
O/n!) - geakmoguaremas inonemorna	
	1
& Mig Oh were omofacalaces les touemoums.	
$\frac{f(h)=2n}{O(2n)}=O(n)^{-n}-\frac{a_{j}\alpha_{i}m_{i}m_{i}}{O(2n)}$	
0/2n) = 0/ng	
Thereep 1!	
	1
$O(n + n^2) = O(n) + O(n^2) = O(n^2)$	
(uperceoferacer O(u)) m. k. O(n 1) parmens 6 pages on empre	an)
Ex. 2:	
$O(n + \log n) = O(n) + O(\log n) = O(n), \text{ i. h. O(\log n)}$)44
En 3	13
100 n 100 n	A
0 60 0 2 + 10 n) = 0/2 + n) + ordpaent. Kou traces	11.
$\frac{\ell n \cdot 3}{0(60 \cdot 2^{n} + 10n^{100})} = 0/2^{n} + n^{100} + 400 $	M
= 0(a) + 0(n) = 0(a), 7.k. 0(a) - 0(n), n	Dress!
$O(n^2 + m) = O(n^2 + m) - m - nenoze yo paro the kineto o kell ujo$	
0/2 = 0/2 hapaceeys	
U(n+m) - U(n+m) - m-nerosilyopar the kineto a new	sel
6,5	Olle
	4
Een 3 brow-x yello. l'il d'élymon Ogon, a3 or.	1 4
cen of brown-x yello, I is a deigmon Ugon, as or	1 804
Marco 2	4
Какая редзавтирующие сполижения?	+
	+
	1

0(100 000 × n2) = O(n2) Como à brogger yucina. 1-is ons l'opo n, 2-is or i po n.
Mujerie 2-10 31-nea mar-es e 31-ra po bouroporo podemen 1-i yuli 0/n/2) = 0/n2) f(n) = 3n - 100n + 6 = O(3n2) + Q(-100n) + O(6) = O(n2) f(n) = Ext: Bepuo m 2n+1 = 0(2n)-? f(n)=0(g(n)) D(2n+1) = O(2n,2) 2.2° < C.2°, gell C > 2 in an est of state of the Ex 8: Bepuro nu 2n+1 = 1 (2n)-? f(n) = N(g(n)) peny c>0, nou boi-ii que boex Sonauer yn-is f(n) z c.g(n). Anso genoblee beprio god CE 2. Travereyn O-Soroence " N-Soronce rapparquelaio 2 1 = 0 (2") Сканировано с CamScanner Ex 9° Bepulo u $(x+y)^2 = O(x^2 + y^2)$ begins, early $(x+y)^2 = x^2 + 2xy + y^2$ uningues c molecular $(x+y)^2 = x^2 + 2xy + y^2$ $(x+y)^2 \le c(x+y)$ Ayeus x = y, morga Mycub X 20 2 x 4 2y 2 2 xy 4 2y 2 2 xy 4 2y 2 (2/x 2+y2) dyx = 2x = 2(xxy) Prejamence dry organiculable posinas juarences project x "yy". => (x+y) = 3(x 2+y). = Pencence bepure. Growth Rates & Rominance Relations (Chopoco poema y announceme goerneurob-e)
With the Big th' notation we caralierly discord the muttipricative constants. Thus, f(n) = 0.001 n & g(n) = 1000 n2 are treated equally as no for all values of n Running time of common huetions & measured in nonoseconols Сканировано с CamScanner