1. Abbushtedaying 1. downt - 0 2. adarman of acars or tay naly o 3. adermon un: nzn-1 1 m zm-1 larger berite gegan to as Albands belong and smedt 3.1 1. Abbriditedaying 1 Elanet in Crisa wer O -> bubble soft wire wit hit relieve culpiper. It oh, do toto wird wine wit even Eleven veniger aufgereper. 45 Susselessof terminer 2. Abordsbedigen Gobble: A Blevret oder lære Like #2 -> Susale mid inner neturi int der vestlik aufgerfu, do 1 elevert veryor of worker es ferminier thete bulle of kruinist

1. Assorbe Geology Lenge Lite = 1

2. Lite variet rimer 1 Blowert

(Lite variet rimer 1 Blowert

(Lite variet) < (Lite Atteller - 1)

L's Tereminist

Roenlie:

1. Albands Geology A Least el entrolle ×

2. Roe la virol in relivarien Lefty autgruph

we dry to lite claver Lite claver - 1.

(Lite: Greateroun virol leene Liste, oder classed de gestulta Bloment emedt

Selection out: 1. Albands bedrippy is selected lite

2. Es virol class Claire El genomen unit vern

romplant Im relivaring Lifes steened genomen unit vern

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2. Es virol class Cheink El genomen unit vern

romplant your dies Chief change steene fluxent

Gallosett your dies Chief change change steenent

regenite bes Asbend sel. und envent - perminier.

Thurs (n) = c(s) = Thous (n) - hough Elevent vone or the Like 2. Tous (0) = 1 There (in) = cost (n-1) = 12. (1) + Tame (C1) = 11+1= Tame (1) - Liang Element am Evel der Lite aus 3. Thus (m, n) = Gn + Gn + C(m) - 3 Thurst (xx) = 3. Cm + Thus (x-x) x) = 75.× => O(u) - reduct solarge x-y , bi x < y 4. Then 4 (n) = \$ 4. 1/2 + C(=2) = \$ 2 +1 = Ten4 => 0(4) - reft hulling 3 unit 2 as y west and

5. Theof (0) = 1 The (a) = Chy + That hat + Chy = 4. 4. + 4. C(-) + T (m) - verify the thement was empoyabled both 6. Jun Tsed (0, m) =1 Tocat (m,0)=1 Tocat = 021 otter There (m, n) = de + 1 pris (m-1, n-1) = 2 + (n+m) = 2 + 1 + 1 + 1 => O(n) - 6 lolet Tupel, Si, ever Lite lear is. 7. Then 7 (1) = 1 Thurs (n) = Thurs (n-1) + n. Gost n = 3n => 0(n) - gist hodstes Element der Lite and

8 THO 01 =1 pup (n) = n. (==) + n. (n+ T (n-1) => O(n) - list Element aus Life 9. Theot (4) = 1+2 + Theot (4) + Their (4) = 1+ 74 A +Q1 Thung (m) = 1 + Ban + (Tount (m) + Toung (m)) = (3n + 2n+1) = 302 Ju2+n => 0(12) - orderet de lite a selengend

al (homit & o(m) (43,24,1) 4 O(41) ? 0(41 1241). 0(4), 0(24) +0(1) 0(1 6061-106160612 oran 60001 => 001.6001=001 attu es forte oche och 6) Ray (m)+ m + 49 6 0 (m 5) O(log(n) + 42+44) = O(log(n)) + o(n4+0(24) 0(4) 60(45) 0 (1 6 0 (n) V 0 (lag(u) < 0(u) < 0 (u) es ollogin & olus) a logal = c.u. cod logini & olus) \$40 0100 (11) + 12 + 14) 60(45) c) 3n. log(u) +7n 60(u.log u) 3n. log(u)+ 7n & C. n. log(u) 1: (u. log(u) Sin laght in a cc

1. logfin 7 mlog(m) = a 9

d) 15m (n) 16 O(n) do Sin we do wate - 1 6h 1 audion from , and oler Body on misin it, 45 (sin(u)) & 0(1) e) 3" 6 O(2") 34 5 C.24 3" ≤ € (3) 4C f) 3 h 6 20(h) 2 3 (0(a) \$ 20(n) da 3 > 2 2. 21 = logue Jus usu logue ulogue ul suisen