class no - 2 Space ca oci) Te -> O(1) in ponent late 7 seande -s Dala populs depends on DSA item in Luto > o(n) item in dit > 0(1) efficient prev solz nevere > annay T: o(n) (o(n) 5:0(1) (Two pointer approved) 52 mom 47 0(m) py fron - 60P dun- obs so, Guepnist dan · Human } Name! 5 Age! I 3 Frends: 5 Napryn h = Humani) N

75260 Hump Arrea Stack 11 Local van global " o Laty process contral heap? Object crede Abribate - class property/chanaderistic/woun Black = 11 ref. method-behaviour Partion/very constructionclass det -- init -- (self, ...) (durder) mutable - state/content charged customirer, diet, set) Pommutable - x ( soming, int, float, boot, tople) primitive

thoman; dass current
det: -- init -- (self, name, age): (days self name = name suf age = age hi= Human("Brahid", 29) of why create of ?? -> obs in a container . Aone data nz= Human to stone data when initializing obj. e) why constructon? get mark () ~ Tot . mark (soft) det . - init - (oct, name, age) Human: · helf. name. name relf. age - age def gulage ( with ): stown hi hi - Human ("Nalid", 23) hr - Human ("Javib, 23) E, set Age(). Napryn

125. Valid Palintnome string or mosty o to UP 9 1000 ens = len(5)-1 ( while rotant Lend! rutum True alpha numeric costs chan 11. join (char for char in s if Uning Two pointer approo 2+15=12/79 eld stt

fron i in a ? con if t-i in a : o(m) 26 remove duplicate. 2-0(1); same list @ cosser asis S.con-un(lit) 30 21st returns 27 - remove element 35 - Bearch innert linear rearch > 0(2) Bimany in > o(dos m) mrd- fundings 12/2/2/37. mid might with + heft

Napryn'

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Solivo

(1,2,3) [4,3,2,1) (0) (1,2,3) 63. Plus -one Cirry [43.2,2) [1] 12,070 2 8 3 8 8 . O 88-merge nonted anna/[1] [0]

[1,2,3,0,0,0] [2,56] [1] [0]

[1,2,3,0,0,0] [2,56] [0] [1]

[1,2,2,3,5,6] [0] [0] sons la ( W y su) 05m, m 5 co. problem - "are hint index out of Lounds harse