- 12.19) Wherego sort is O(n log n) where Quickert is O(n) 12.17) NO, to do it a lot of buckets have to be made them indefinethy 12.13) there would be an infloop. When two evens are the same, it kneeps anappling
- d is max number a Coustant 12,39) a radix, Sort Could be done uell as O(dn) Whele den as vel implies o(n) I+ 15 + + + ---stablib to

0854

037:2000-100 00× 5 (A-0) 90Z:02:03: 7x30/10x12 12x2 0387 05 m-4 V Seeke), to 001 - 2.5.5.0 - 100

10x2 2x20, 20x12, 17x4, 4x60 (C-D) = 480 500 × A 70×4 20105 (2) = 02.20 = (2 · v) 5 (0) 0000 10 × 3 0 02 +01

1044(= 14CeCeO

(3.41 - 21402) (S X X

13.10) WHARES

SKULL and bouls

Coins. Say us want 600 2000+115 2504 Where as Shing 6 of a coin and Previously pick again (13,29) you want to pick the biggest

ASIS) 9 CYELL dollars

S: (2)

5.8) We tried to test the books code
however we kept gatting 0.0 as a
So we could not lest

However List, poper would be O(1)

9,3) *((1,0) ((4,8) (5,8) (0,F) (2,4) (2,4) (2,4) (2,4) (2,4) (2,4) (2,4) (2,4) (2,4)





39 M 0 S 8 9,13.)

71

but not a 1RFF chi Woodelin Should have a Child 9.15) NO

4 M 2 M 0 3 C (M) Ecgen) 9.18) Ano

200 m = wlog m 104(1) + 104(2), 109(m) ≤ m 109 104(m) ≤ m 109(m) 105(m) ≤ m 109(m)

1 N 109 dues not 0 9,22) Right side (15,4) (18,A

(31/11) (14,x).(25,3) · (LC,X) (255) (H,E) (12,H) (14, V) (35,5) (14,E) (12,H)

Preco 1 725 of N. 2+414 record to left side # Stop. ela Start node - M. If 0(2) than Start mode d set start of End s