| RIO SAPTA SAMUDEM  |  |
|--|--|
| 1408101 30030  |  |
| PRALHIKUM ANALGO.  |  |
|  | 2  |
| (1) T6) = 2+4+6+9+16++2  | T()=12<br>2(2) 1 1 1 (12)  |
| Deret = or (1^-1) - 2 (2^-1) 2 n+1 2   | 00 7 7 7 2   |
| D (2)  | $\frac{n^2 \leq c \cdot n}{c \leq 1}  \frac{n^2 \leq c \cdot n}{c \leq 1}$   |
| $\overline{\Gamma(n)} \leq C.2^{n} \qquad n = 1$   | $\Omega(\Lambda^2) = \Omega(\Lambda^2)$  |
| 20-11-2-12.20  | now - 0 (2) = 9 (0) 3  |
| 2-3/2(   | ( for 121 to non add   |
| C71  | al 66192 of 1150000  |
| Q.) Bukhan p, d, (+), T(n)=pn+q4/=<br>O(n2) Q(n2) O(n2)  | enfor  |
| 0 (n²) Q (n²) O (n²)   | T(c) = 0   |
| & Big O  | 0(4) 75 (4)  |
| T(n) = (c(n)   | $\frac{1}{2}$  |
|  | (2) - (2)  |
| Porgott ich  | (a) (n) = In > O(n)  |
| p + q + C  | (E) a.) O prass product  To = (n-1) + (n-2) ++ )   |
|  | $= 0 \left( \frac{1}{1} \right) = 0^2 - 0$   |
| n=1  | 2 7  |
| c 73   | h.) putakon fran Ketikan   |
| * Bigs   | ∧ (n-1)  |
| 1, (v) 5((v))  | .0.4   |
| Parton to  | flest cap.   |
| P ( )  | (b) = (1-1) = (1-1)  |
| ) : I  | + Warst coa  |
| (.43   | F(n) = n(n-1) 3n(n-1)  |
|  | 1:(1)-2  |
| * B10 ()   | = 41/1/20  |
| 3 ≤ (E). ontev (= }  | 2  |
| (3) WI) ex unk, HEAST ULV.   | 0 (2) -1-(1)   |
| \(\begin{align*} \text{V} & \text{S} & \text{S} & \text{V} & \text{S} & \text{V} & \text{S} & \text{V} & \text{S} & \text | 2n2-2n2 h 2 n 2 (n   |
| $O(n^3)$ $A(n)$  | 2  |
| 1,3 F(V) 1,3 Z(V)  | 2 2 4 6 11 -1 7 6 .  |
| ( ) ( ) = Ω(n <sup>3</sup> ) mota () (n <sup>8</sup> )   | C70 (40  |
|  | $\frac{1}{2} \left( $  |
| for l  | (7.) a) A -> 0 (logn) [6.0 (logs) = 0(3/00)  |
| 1610   | 6. B > 0 (ASTOMU) 12 0 (B) = 0(22 m²)  |
| end cor  | (r) = 0(2), (i) 0(62) = 0((y)  |
| end for  | A focupat dugan 0,301  |
| DOMAN  | , ( y ,  |
|  | The second secon |

