12 3 45 6

Sort -> middle clement

Clack of a number is Prime Zam

"y n=1 setum true"

=2 stuntone $\frac{2}{y(m'/2)} = 0$ vetern false: atien foul $2 \rightarrow \int m$ 16 (4) a+6= a>b on 2,3,4 8×2 5, 6, 7, 8, 9 - - 12 7, 8 axb = m"u (A > 5m) then (a < 5m)

In Steps n steps

Tomo Complexet

Atomic Basic Statements x+1 n-1 = Addition/Subtaction N=5 -> Assignment se= se+2 -> Time Complexity? For ("und "C=0; "<5;" L++)

S.O.P(5);

3

2 Seation

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Total line = 3+4+4+4+4+3 = 22 units Notations 1) Big -Oh Notation (0)

Wouldase n > 2

for Cut "=0; i < n; i) + + { So.p(m);

3+4[m-1] TJ // time & Size of input D(2) Time Input Size D (omiga rotation)

slower Bound Si 22 of Cix g(m) < f(m) < C2 x g(over Bound

Selection - Sort (Th-place);) 9 / 20 10 for(2=0; 2/n-1;2++) E Find Min Index 5 i > m

5+4+3+2+1 T(-)) m+m-l+m-2 $\Rightarrow n(m+1) \rightarrow o(m^2)$ le with objects of String Class Ti Ciphen Schools

created using 2 ways Method Asta 1) String Vilesal

String SI= "Uprensimons String S2 = "Cepherschools" Object 2) Construction (Not go to Paol) Normal Heap Strong S3 = new String ("Cipeerschade"): String Sy = new String ("Cipherselrade"). Drew objects created-tleap S1

11 Ciphenshoo 1/8 Cipherschools "Ciphershools" Checks the seperance of the True if the part