TutoHial-2

What it the time complexity of below code and how? Noid funcintal

m 'o(n)

D wnite Phogram which have complexity. — n(logn), n³. μ, log(logn).

ALLA

n (10gn) - purck boxt

int Parition (int aur C3, int low, int high).

> swap (& ann (1º+1], sanh [high]);
Hebun (1º+1);

Noid quickbont (Port aut], Fort low, Fort high)

Kint PP= Partition (aun, low, high);
PrickJoht (aur, bw, PP-1);

Quick dont (att, Pit 1, hys):



```
n3 -> · Pai 3 variable egn
function find xyZ(n)

    Const Solution = (3)

   for ( fat n = 0; n < n; x ++ )

for (int y = 0; y < n; y++)
</pre>

  form (int 2=0; .Z<n; Z++)
</pre>
              (if (3*n+9*y+8*=79).

Solution. Push (Kn, y, z))

        Metumn Solutions;
    # include ciostneams
       Using namestace Std:

unsingned the logan (unsigned intn).

    Heturn (n>1)? 1 + logan (n/2):0:

             int main()
                1 unsigned into n=32;
                        Coutec login(n);

getchar();

selven o.
```