$$N = 4 \rightarrow (100p)$$
 $N = 16 \rightarrow 2100pS$
 $N = 256 \rightarrow 3100pS$
 $N = 109(109(N))$
 $N = 65536 \rightarrow 5100pS$

$$\theta(t) = \theta(\log(\log(n)) \cdot \theta(1)$$

```
Σθ(1) + K [N x \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\)
         D (N) + KTn . B(13)
      = \theta(N) + \sum_{lm} \theta((klm_3))
         P(N) + 123 = P(K3)
          B(M) + 1223 B(1224)
          D(M) + D (TM7) -> (A)
C-for (int 1=1, 14h, 1++) {
      tor (Mt K=1, K < N. K++) {
         17 (A[K] == 1) { CONSITION NAPPENS IN TIMES
           for (INT M=1; M < N; M= N+M) {
              CNO
            { } ? ? ?
      \sum_{i=1}^{l}\sum_{j=1}^{k_{z}}\left(\beta(l)+\sum_{i\neq j}\sum_{j\neq j}^{m_{z}}\beta(l)\right)
             0(N2) + N. 109(h)
           (7 (D (N5)
```

d. size:
$$10 \cdot (\frac{3}{2})^{K} < N$$
 $K < 109 3/2 (N/0)$
 $T(N) = \sum_{1=0}^{\infty} \theta(1) + \sum_{2=0}^{\infty} \sum_{3=0}^{\infty} \theta(1)$
 $= \theta(N) + \sum_{2=0}^{\infty} \frac{100}{3} (\frac{3}{2})^{2} (\frac{100}{3})^{2} (\frac{100}{3})^{$