2-4.

2-b.

 $T(uv) = kT(u_i \cdot v) = [\frac{1}{m}] \cdot O(m^{\log 3}) = O(nm^{\log 3 - 1}) = O(nm^{\log 3 2})$ 

 $T(m \times m) = m^2$ 

多项式方(2-n,)(2-n)···(2-nd) = [(2-n)···(2-nd)][(2-ng+1)···(2-nd)], 沒T(n)书n个(2-nc) 在65时

 $u \cdot V = \left(u_0 + u_1 \cdot 2^m + \dots + u_k 2^{km}\right) V , \quad k = \left\lceil \frac{n}{m} \right\rceil .$ 

int mid = (HY/2 i if (a[mid] == b) { i = j = mid; return; }

Binary Search Scope (a, b, l, r, i, j);

if(a[mid] < b) l = mid+1;

 $=\sum_{i=0}^{k}U_{i}e^{2^{ikm}}.y$ 

P.Fa T(m = m 1/2) = O(m 1093)

 $(T(2^k \times 2^k) = O(7^k) (Strasson \# k)$ 

 $I, T(n \times n) = T(m \times m) \times T(2^k \times 2^k) = D(7^k m^3)$ 

ble r=mid-1;

if(l>=r)i=r, j=l;

void Binary Search Scope (int al], int b, int l, int r, int80i, int80j) f

Il a is away. b is aim, L.r is bound of search area.

li(i=0,; x)为以m应将

U"如果"后即结果