$$x = \frac{x_1}{123} + \frac{x_2}{56}$$

$$y = \frac{747}{111}$$

$$y = \frac{747}{111}$$

$$y = \frac{y_1 \cdot 10^m + y_2}{y_1}$$

$$y = \frac{y_1 \cdot 10^m + y_2}{y_2}$$

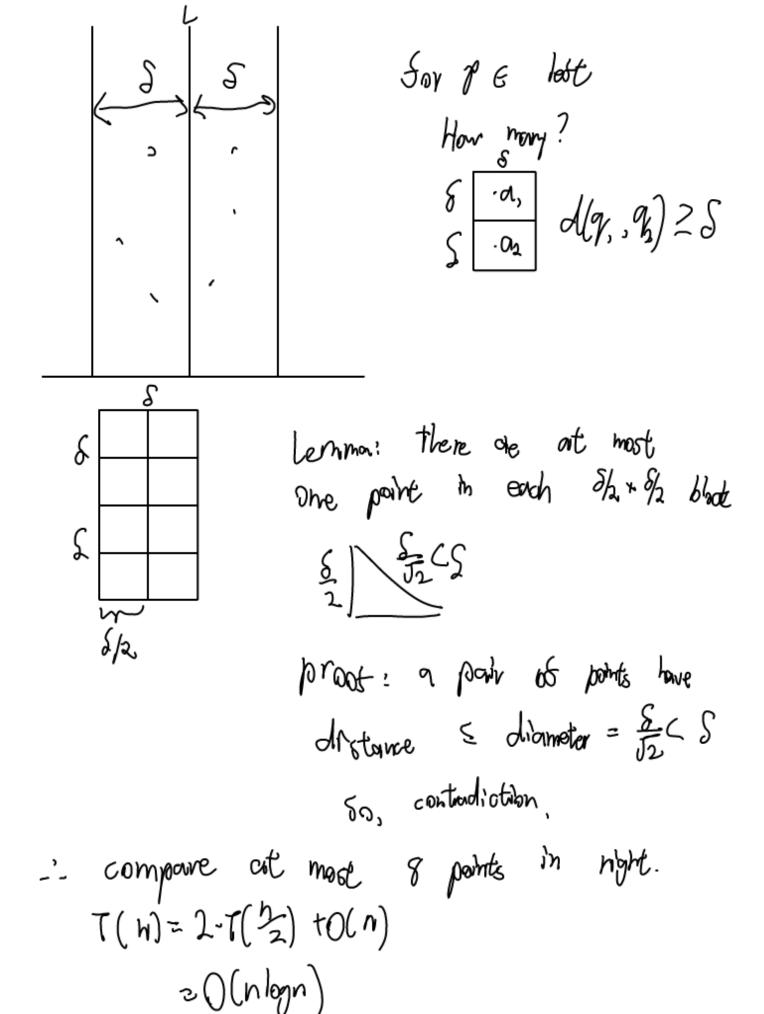
$$y = \frac{y_1 \cdot 10^m + y_2}{y_2} \cdot \frac{y_2}{y_2} \cdot$$

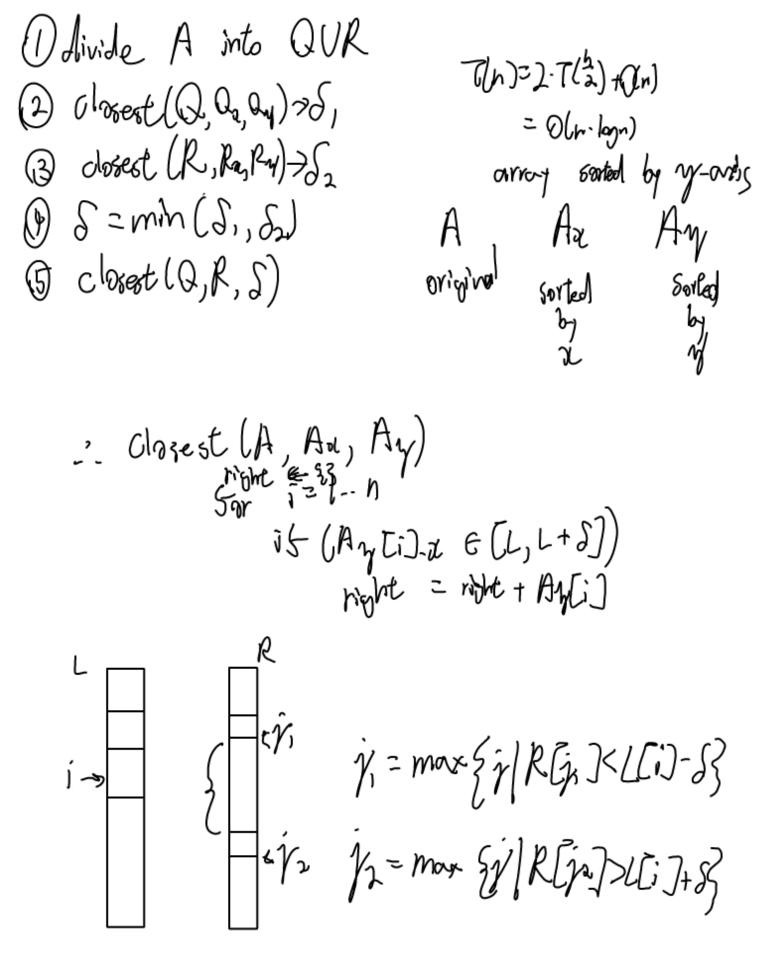
$$A = \begin{pmatrix} a_{11} & -a_{11} \\ a_{11} & -a_{11} \\ a_{11} & -a_{11} \end{pmatrix}$$

$$A = \begin{pmatrix} A_{11} & A_{12} \\ A_{21} & A_{22} \end{pmatrix} B = \begin{pmatrix} B_{11} & B_{2} \\ B_{21} & B_{2} \end{pmatrix}$$

$$C = \begin{pmatrix} C_{11} & C_{12} \\ C_{21} & C_{22} \end{pmatrix}$$

C11 = A11B11 + A12B21 T(n)=47(3) + O(n2) C_{22} Strassen Algorithm Refer to course notes Closest Pair (A) Sor 1=1...n compute d(i, i) P= (P.a, P.y) closest (A) = min { closest (Q) closest (R) ; closest (Q,R,S) het &= minls, for each PGQ for each of ER d(p, y)





/1←0, /2←1

Sor i=1-- | leót |

While (RC), +1] < LCiJ-S)

/1+1;

While (RC), = LCiJ+δ)

/2+1;

compone LCiJ vs R[j;+1-j;-1]