HW4

PB17111614 王嵘晟

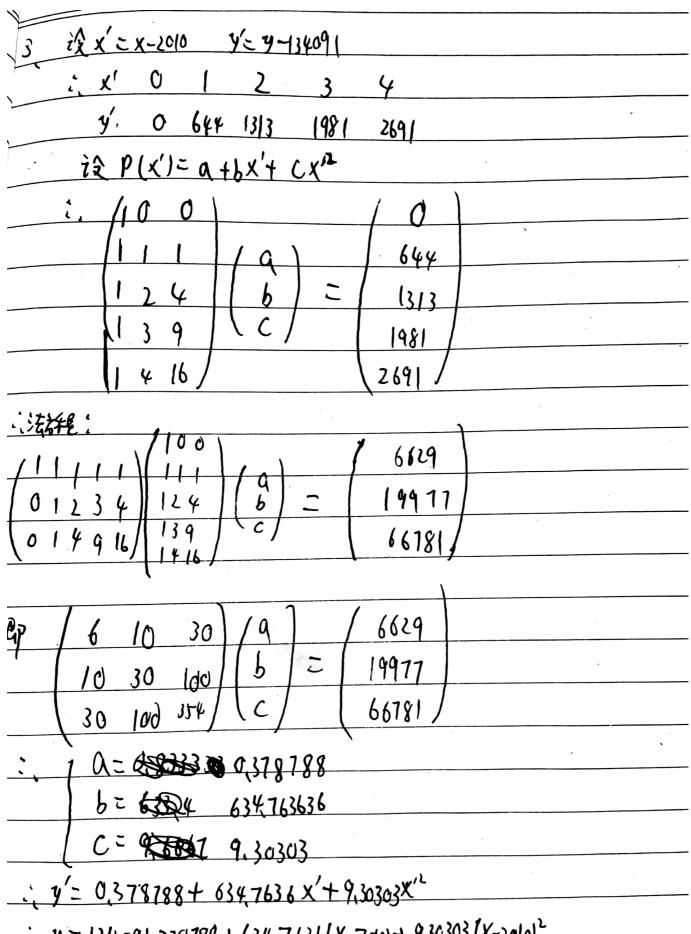
1.

```
1 & yageth
  : 49= 4a+bX
  :128 Y=69, A=60
  i. Y=AtbX
这个(X)二八十6人,对此就经地推到给!
  Q(A, b) = = (P(x)-Yi) = = (A+bxi-Yi)
249 / A= 0,672295
       1.028275
 = 0,612295+1,028275X
 · : 4=1,958727e1,02875X
```

2.

2. 对于3年818 / X, -2 X, = 4
X1+6X/=14
3X, + X2 = 7.5
·X1+ X2 = 45
等成次EP\$: / 1 -2 / 4
6 /x1 14
3 1 X ₂ 7,5
45
注话能力:
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
$ \frac{\begin{pmatrix} 1 & 1 & 3 & 1 \\ -2 & 6 & 1 & 1 \end{pmatrix} \begin{pmatrix} 1 & 6 \\ 3 & 1 \end{pmatrix} \begin{pmatrix} x_1 \\ x_2 \end{pmatrix} = \begin{pmatrix} 43 \\ 88 \end{pmatrix} }{ \begin{pmatrix} 88 \\ \end{pmatrix} } $
128 (x1) = (45) (x1=2.695455
$\frac{128}{842} \left(\frac{x_1}{x_2} \right) = \frac{45}{88} \frac{x_1 = 2.695455}{x_2 = 1.581818}$

3.



 $|y| = |34091, 378788 + 634, 7636(X-290) + 9,30303(X-2010)^{2}$ $= |34091, 4 + 634, 8(X-2010) + 9,3(X-2010)^{2} \quad y(2015) = |37497, 8$