《奥数教程第2版·高中第一分册》》 P22 14题.

解: $x_1 \in [-1, 1]$, $x_2 \in [1, 2]$.

:.有如下的9种可能性:

我们来分别讨论这9种情况: (设fx)=x2-ax+6, xER)

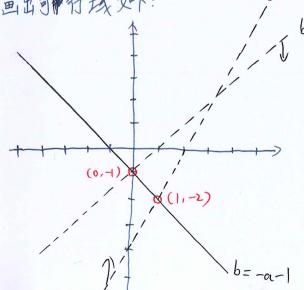
①.
$$: X_1 = + 1$$
 $X_2 = 1$ $: (X+1)(X-1) = 0$, $X^2-1=0$

$$\begin{cases}
1+\alpha+b=0 \\
1-\alpha+b<0
\end{cases}$$

$$\begin{cases}
b=-\frac{1}{2}z+\frac{1}{2}a \\
b>2a-4
\end{cases}$$

$$\begin{cases}
b=-\frac{1}{2}z+\frac{1}{2}a \\
b=\frac{1}{2}a-\frac{1}{2}z
\end{cases}$$

画出到的技好:

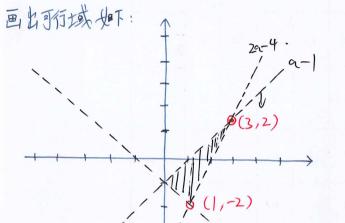


: te (2,5)

$$\int_{X_{1}}^{C} f(-1) > 0$$

$$(x_{1} \in (-1, 1)) \mathbb{R} \times_{2} \in (1, 2) \iff \int_{(1)}^{C} f(1) < 0$$

$$f(2) > 0$$



$$\begin{cases} f(-1) > 0 \\ f(1) < 0 \\ f(2) = 0 \end{cases}$$

