You are given \( n \) points on the plane. You have the guarantee that there exists at least one line that contains at least 20% of the \( n \) given points. Find any such line.

**Input**

Input consists of several cases, with only integer numbers, each one with \( n \), followed by \( n \) different pairs \((x, y)\). There is at least one line with at least \( \lceil n/5 \rceil \) of the given points. Assume \( 2 \leq n \leq 10^5 \), and that no given coordinate is larger than \( 10^6 \) in absolute value.

**Output**

For every case, print information about the line you found: The number \( m \) of all the given points that belong to your line, followed by all those \( m \) points in any order. The number \( m \) must be at least 2 and also at least \( \lceil n/5 \rceil \). If there is more than one possible line, choose any one. Follow strictly the format of the sample output.

**Sample input**

\[
\begin{align*}
4 & \ 0 \ 0 \ 0 \ -1 \ -1 \ 0 \ -1 \ -1 \\
3 & \ 999991 \ 999992 \ 999992 \ 999993 \ 999993 \ 999994 \\
11 & \ 7 \ 0 \ 7 \ 2 \ -7 \ 2 \ 6 \ 4 \ -6 \ 4 \ -5 \ -5 \ 3 \ 6 \ -3 \ 6 \ 0 \ 7 \ 3 \ 3
\end{align*}
\]

**Sample output**

\[
\begin{align*}
2 & \ -1 \ -1 \ 0 \\
3 & \ 999991 \ 999992 \ 999992 \ 999993 \ 999993 \ 999994 \\
3 & \ 7 \ 2 \ -5 \ 5 \ 3 \ 3
\end{align*}
\]

**Problem information**

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Generation: 2016-09-21 23:01:26