```
\begin{array}{c} \operatorname{cmmdc}(54329,12347) = ? \\ x_{54329} = (1,0) \\ x_{12347} = (0,1) \\ \\ 54329 = 12347 \cdot 4 + 4941 \\ 12347 = 4941 \cdot 2 + 2465 \\ 4941 = 2465 \cdot 2 + 11 \\ 2465 = 11 \cdot 224 + 1 \\ \\ \end{array} \begin{array}{c} \Rightarrow x_{4941} = x_{54329} - 4 \cdot x_{12347} = (1,-4) \\ \Rightarrow x_{2465} = x_{12347} - 2 \cdot x_{4941} = (-2,9) \\ \Rightarrow x_{11} = x_{4941} - 2 \cdot x_{2465} = (5,-22) \\ \Rightarrow x_{1} = x_{2465} - 224 \cdot x_{11} = (-1122,4937) \\ \\ 1 = 54329 \cdot (-1122) + 12347 \cdot \underline{4937} \\ \end{array}
```