```
\frac{Z2Z}{R(x)M_n(R)}
                                                                                      \overline{i} = \{7k + i\} | k \in Zi 
                                                                                     Z_m = \{\bar{i}|i=1,\cdots,m-1\}
               (1) \int_{\bar{i}+\bar{j}}^{\bar{i}} = i + j \bar{i} \cdot \bar{j} = i - j
(2) \begin{cases} a \in \\ ringR, \exists b \in \\ R, ab = \\ \exists a = \\ \end{cases}
                                                                             \begin{array}{l} \label{eq:continuous_problem} \varrho a = \\ a \neq \\ 0, \exists c \neq \\ 0, ac = \\ 0, ac = \\ 0 \\ Z_8 \\ Z_7 \\ R, Z \\ Z_m Gl_n(F) F \\ GL(V) \\ a, b \in \\ GL(V) \\ a, b \in \\ Gab \stackrel{\leftrightarrow}{}_{ab} \in \\ b^{-1}a \in \\ H \\ a := \{x \in G | x \in G | x
                                                                                     \overline{a} := \{ x \in G | xa \} := \{ x \in G | a^{-1}x \in H \} = \{ x \in G | x = ah, h \in H \} = \{ ah | h \in H \} =: aH \}
                                                                                 aH = bH \Leftrightarrow b^{-1}a \in H
b^{-1}a \in H
G/H
G:
H = r, G = r

\begin{array}{ll}
r,G &= eH \bigcup a_1 H \bigcup \cdots \bigcup a_{r-1} H \\
|G| &= |H| |G : \\
|H| |G : H| |G :
```