```
var::matrix< D >
- data
 _row
  col
+ matrix()
+ matrix()
+ matrix()
+ row()
+ col()
+ size()
+ begin()
+ end()
+ begin()
+ end()
+ get_row()
+ get col()
+ resize()
+ push_row()
+ push_col()
+ insert_row()
+ insert_col()
+ pop_row()
+ pop_col()
+ erase_row()
+ erase col(
+ row_swap()
+ replace_row()
+ replace_col()
+ col_swap()
+ sort_rows()
+ sort_cols()
+ sort_row()
+ sort_col()
+ row_op()
+ col_op()
      op()
+ mat_op()
+ turn_to()
+ sum()
+ tr()
+ det()
  T()
+ cofactor()
+ M()
+ adj()
+ inv()
+ rref()
+ is_square()
+ is_empty()
+ is identity()
+ operator[]()
+ operator+()
+ operator+()
+ operator-()
+ operator-()
+ operator-()
# check_col()
# check_row()
# TT()
# check
          size()
# DET()
# square()
```