```
var::matrix< D >
  - data
    _row
     col
  + matrix()
  + matrix()
  + matrix()
  + row()
   + col()
  + size()
  + begin()
   + end()
  + begin()
  + end()
  + get_element()
+ 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()
  ...ar_op()
+ join_row()
+ join_ccl^
  + join_col()
+ turn_to()
  + sum()
  + tr()
   + det()
+ T()
   + cofactor()
   + M()
    adj()
  + inv()
   + rref()
   + ref()
   + plu()
  + is_square()
+ is_empty()
   + is_identity()
  + operator[]()
   + operator+()
  + operator+()
  + operator-()
  + operator-()
    operator-()
  # check_col()
  # check_row()
  # TT()
  # check_size()
  # MM()
# DET()
  # square()
              +1
              +P
              +U
var::matrix< D >::LU
```