C++ Core Guidelines Checks

- cppcoreguidelines-pro-bounds-array-to-pointer-decay
  cppcoreguidelines-pro-bounds-constant-array-index
- cppcoreguidelines-pro-bounds-pointer-arithmetic
- cppcoreguidelines-pro-type-const-cast
  cppcoreguidelines-pro-type-cstyle-cast
- cppcoreguidelines-pro-type-member-init
- cppcoreguidelines-pro-type-reinterpret-cast
- cppcoreguidelines-pro-type-static-cast-downcast
- cppcoreguidelines-pro-type-union-access
- cppcoreguidelines-pro-type-vararg

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cppcoreguidelines-pro-bounds-constant-array-index