```
Assembler
+ kMaxRegisterCount
+ kMaxRegister
+ kMaxCaptures+ kMaxCPOffset
+ kMinCPOffset
+ kTableSizeBits
+ kTableSize
+ kTableMask
+ kUseCharactersValue
slow_safe_compilerbacktrack_limit_

    can_fallback

global_mode_
- isolate
- zone
+ RegExpMacroAssembler()
   -RegExpMacroAssembler()
+ GetCode()
+ AbortedCodeGeneration()
+ stack_limit_slack_slot
_count()
+ CanReadUnaligned()
+ AdvanceCurrentPosition()
+ AdvanceRegister()
+ Backtrack()
+ Bind()
and 55 more..
+ CaseInsensitiveCompareNon
Unicode()
+ CaseInsensitiveCompareUnicode()
+ IsCharacterInRangeArray()
# has backtrack limit()
# backtrack_limit()
# can_fallback()
                  Δ
v8::internal::NativeRegExp
          MacroAssembler
# word_character_map

    range array cache

+ NativeRegExpMacroAssembler()
+ ~NativeRegExpMacroAssembler()
+ CanReadUnaligned()
+ LoadCurrent(
                CharacterImpl()
+ LoadCurrentCharacterUnchecked()
+ Match()
+ ExecuteForTesting()
+ GrowStack()
+ CheckStackGuardState()
+ word_character_map
 _address()
# GetOrAddRangeArray()
Execute()
                   Д
v8::internal::RegExpMacro
          AssemblerRISC\
 masm
no_root_array_scope_

    mode

 num_registers
num_saved_registers_
entry_labestart_labe
        label
  success_label

    backtrack_label

    exit_label

check_preempt_label_stack_overflow_label_internal_failure_label_fallback_label_
- kFramePointerOffset
- kStoredRegistersOffset

    kNumCalleeRegsToRetain

  kReturnAddressOffset
- kStackFrameHeaderOffset
- kFrameTypeOffset- kIsolateOffset

    kDirectCallOffset

    kNumOutputRegistersOffset

    kRegister
Output
Offset
and 11 more...

+ RegExpMacroAssemblerRISCV()
+ ~RegExpMacroAssemblerRISCV()
+ stack_limit_slack_slot
 count()
+ AdvanceCurrentPosition()
+ AdvanceRegister()
+ Backtrack()
+ Bind()
+ CheckAtStart()
+ CheckCharacter()
+ CheckCharacterAfterAnd()
and 39 more.
+ CheckStackGuardState()
 CallCFunctionFromIrregexp
Code()
 - PushCallerSavedRegisters()
PopCallerSavedRegisters()
CheckPreemption()
   CheckStackLimit()
 AssertAboveStackLimitMinus
Slack()

    CallCheckStackGuardState()

    CallIsCharacterInRangeArray()

register_location()
char_size()and 11 more.
       size()
 - current_input_offset()
current_character()end_of_input_address()
frame_pointer()
backtrack_stackpointer()code_pointer()
```

v8::internal::RegExpMacro