```
v8::internal::RegExpMacro
              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()
+ LoadCurrentCharacterImpl()+ LoadCurrentCharacterUnchecked()
+ Match()
+ ExecuteForTesting()
+ GrowStack()
+ CheckStackGuardState()
+ word_character_map
 _address()
# GetOrAddRangeArray()
Execute()
                   Д
 v8::internal::RegExpMacro
           AssemblerMIPS
 - masm
 no_root_array_scope_

    mode

 num_registers
 num_saved_registers_
 entry_labestart_label
         label
  success_label
 - backtrack_label

    exit_label

 - check_preempt_label_
- stack_overflow_label_
- internal_failure_label_
- fallback_label_

    kFramePointerOffset

    kStoredRegistersOffset

    kReturnAddressOffset

  kStackFrameHeaderOffset

    kFrameTypeOffset

 - kIsolateOffset

    kDirectCallOffset

    kNumOutputRegistersOffset

    kRegisterOutputOffset

    kInputEndOffset

 and 9 more.
 + RegExpMacroAssemblerMIPS()
 + ~RegExpMacroAssemblerMIPS()
 + stack_limit_slack_slot
  count()
 + AdvanceCurrentPosition()
 + AdvanceRegister()
 + Backtrack()
 + Bind()
 + CheckAtStart()
 + CheckCharacter()
 + CheckCharacterAfterAnd()
 and 40 more.
 + CheckStackGuardState()
 PushCallerSavedRegisters()
 - PopCallerSavedRegisters()

    CallCFunctionFromIrregexp

 Code()
 - CheckPreemption()
   CheckStackLimit()

    AssertAboveStackLimitMinus

 Slack()
 CallCheckStackGuardState()

    CallIsCharacterInRangeArray()

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