

## v8::internal::RegExpMacro AssemblerARM

v8::internal::RegExpMacro

no\_root\_array\_scope\_

num\_saved\_registers\_

check preempt label

stack overflow label

kFramePointerOffset

kReturnAddressOffset

kFrameTypeOffset

klsolateOffset

and 10 more...

count()

+ Bind()

Code()

one()

value()

- twice non position

kDirectCallOffset

kInputStringOffset

kNumCalleeSavedRegisters

kPaddingAfterFrameType

kCalleeSavedRegistersOffset

kNumOutputRegistersOffset

+ AbortedCodeGeneration()

+ AdvanceCurrentPosition()

+ CheckStackGuardState()

CallCFunctionFromIrregexp

- AssertAboveStackLimitMinus

· PushCachedRegisters()

PopCachedRegisters()

CheckPreemption()

CheckStackLimit()

+ stack\_limit\_slack\_slot

+ AdvanceRegister()

+ Backtrack()

and 42 more...

+ CheckAtStart()

+ CheckCharacter()

+ RegExpMacroAssemblerARM64()

+ ~RegExpMacroAssemblerARM64()

num\_registers\_

entry\_label\_

success label

backtrack label

fallback label

start label

exit label

masm

mode

AssemblerARM64

- masm no\_root\_array\_scope\_

- mode num\_registers

num\_saved\_registers\_ entry label

- start\_label success label backtrack label

- exit label - check preempt label - stack\_overflow\_label\_

- fallback label - kFramePointerOffset kStoredRegistersOffset

- kReturnAddressOffset kRegisterOutputOffset kNumOutputRegistersOffset

- kDirectCallOffset klsolateOffset

 kFrameTypeOffset kInputEndOffset kInputStartOffset

and 9 more...

+ RegExpMacroAssemblerARM() + ~RegExpMacroAssemblerARM()

+ AbortedCodeGeneration() + stack limit slack slot

count() + AdvanceCurrentPosition()

+ Backtrack() + Bind() + CheckAtStart()

+ AdvanceRegister()

+ CheckCharacter() and 39 more... + CheckStackGuardState() CallCFunctionFromIrregexp

Code() CheckPreemption() CheckStackLimit()

Slack() CallCheckStackGuardState()

CallisCharacterInRangeArray() register location()

- BranchOrBacktrack() - SafeCall()

current character() end of input address()

- frame pointer() backtrack stackpointer()

Slack() - AssertAboveStackLimitMinus CallCheckStackGuardState() CallIsCharacterInRangeArray() register location() capture location() and 17 more... - char size() current\_input\_offset() current character() input end() and 9 more.. input\_start() current\_input\_offset() start offset() output array() frame\_pointer() backtrack stackpointer() code pointer() - code pointer() string start minus

v8::internal::RegExpMacro AssemblerIA32

· masm no\_root\_array\_scope\_ · mode

num registers num\_saved\_registers\_ start label

- success label backtrack label - exit label check\_preempt\_label

stack overflow label - fallback label - kFramePointerOffset

 kReturnAddressOffset - kFrameAlign · kInputStringOffset

kStartIndexOffset kInputStartOffset · kInputEndOffset

 kRegisterOutputOffset - kNumOutputRegistersOffset - kDirectCallOffset and 13 more...

+ RegExpMacroAssemblerIA32() + ~RegExpMacroAssemblerlA32()

+ stack limit slack slot count() + AdvanceCurrentPosition() + AdvanceRegister()

+ Backtrack() + Bind() + CheckAtStart() + CheckCharacter()

Code()

+ CheckCharacterAfterAnd() and 38 more.. + CheckStackGuardState() StaticVariable() CallCFunctionFromIrregexp

PushCallerSavedRegisters() PopCallerSavedRegisters() CheckPreemption() CheckStackLimit()

 AssertAboveStackLimitMinus Slack() CallCheckStackGuardState() - CallisCharacterInRangeArray() register\_location() and 14 more...

current character() backtrack stackpointer()

v8::internal::RegExpMacro AssemblerLOONG64 v8::internal::RegExpMacro

+ kMaxRegisterCount + kMaxRegister

masm no\_root\_array\_scope\_ mode

num registers

num\_saved\_registers\_ entry label start 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...

+ RegExpMacroAssemblerLOONG64() + ~RegExpMacroAssemblerLOONG64() + stack limit slack slot

count() + AdvanceCurrentPosition()

+ AdvanceRegister() + Backtrack() + Bind()

+ CheckAtStart() + CheckCharacter() + CheckCharacterAfterAnd() and 39 more..

+ CheckStackGuardState() · PushCallerSavedRegisters() PopCallerSavedRegisters() CallCFunctionFromIrregexp Code()

CheckPreemption() CheckStackLimit() AssertAboveStackLimitMinus Slack() CallCheckStackGuardState() CallIsCharacterInRangeArray()

· char size() and 11 more.. current input offset() current character() end\_of\_input\_address() frame pointer()

backtrack stackpointer()

register location()

code pointer()

kInputStartOffset kInputEndOffset kRegisterOutputOffset

> + RegExpMacroAssemblerX64() + ~RegExpMacroAssemblerX64() + stack\_limit\_slack\_slot

+ AdvanceCurrentPosition()

+ AdvanceRegister()

+ CheckAtStart() + CheckCharacter()

+ CheckStackGuardState() CallCFunctionFromIrregexp

PushCallerSavedRegisters() PopCallerSavedRegisters()

CheckPreemption() CheckStackLimit() AssertAboveStackLimitMinus

CallCheckStackGuardState() · CallIsCharacterInRangeArray()

current\_character()