

Ruby - Bug #20097

Regexp#match? with empty capture group repeat is inconsistent

12/27/2023 10:56 AM - tompng (tomoya ishida)

Status:	Open	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 3.3.0 (2023-12-25 revision 5124f9ac75) +MN [arm64-darwin22]	Backport: 3.0: UNKNOWN, 3.1: UNKNOWN, 3.2: UNKNOWN, 3.3: UNKNOWN
Description It sometimes matches and sometimes does not, depend on repeat quantifier number. <pre># empty capture group repeat p /(a(){1,4}){2}/.match?('aa') #=> true p /(a(){1,5}){2}/.match?('aa') #=> false # repeat of capture group that match to empty string p /(a()){1,2}){2}/.match?('aa') #=> true p /(a()){1,3}){2}/.match?('aa') #=> false p /(a(x?y? z){1,2}){2}/.match?('aa') #=> false non-capturing group seems ok. p /(a(?:){1,4}){2}/.match?('aa') #=> true p /(a(?:){1,5}){2}/.match?('aa') #=> true p /(a(?:){1,2}){2}/.match?('aa') #=> true p /(a(?:){1,3}){2}/.match?('aa') #=> true p /(a(?:x?y? z){1,2}){2}/.match?('aa') #=> true</pre> Same behavior in ruby 3.0, 3.1, 3.2		

History

#1 - 12/28/2023 02:55 PM - dentarg (Patrik Ragnarsson)

Same as <https://bugs.ruby-lang.org/issues/20083?>

#2 - 12/28/2023 07:43 PM - tompng (tomoya ishida)

Not same. <https://bugs.ruby-lang.org/issues/20083> is related to regexp optimization from ruby 3.2. This issue is not because it's same result in older ruby version 3.0 and 3.1