
Subject: Re: String::Cat optimization

Posted by [mirek](#) on Thu, 01 Dec 2011 07:04:44 GMT

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koldo wrote on Thu, 01 December 2011 00:18 More cases

There is a slight improvement in MSC but a big one in MinGW.

MSC10 Speed

- Standard

TIMING Cat 40 : 2.34 s - 233.71 ns (2.56 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

TIMING Cat 18 : 839.12 ms - 83.91 ns (1.06 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

- Experimental

TIMING Cat 40 : 2.24 s - 223.96 ns (2.44 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

TIMING Cat 18 : 788.63 ms - 78.86 ns (987.00 ms / 10000000), min: 0.00 ns, max: 1.00
ms, nesting: 1 - 10000000

MSC10 Optimal

- Standard

TIMING Cat 40 : 2.37 s - 237.30 ns (2.57 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

TIMING Cat 18 : 857.95 ms - 85.80 ns (1.05 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

- Experimental

TIMING Cat 40 : 2.27 s - 226.80 ns (2.48 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

TIMING Cat 18 : 893.96 ms - 89.40 ns (1.10 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

MSC9 Speed

- Standard

TIMING Cat 40 : 2.38 s - 238.20 ns (2.61 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

TIMING Cat 18 : 884.96 ms - 88.50 ns (1.12 s / 10000000), min: 0.00 ns, max: 5.00 ms,
nesting: 1 - 10000000

- Experimental

TIMING Cat 40 : 2.13 s - 212.92 ns (2.34 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

TIMING Cat 18 : 866.17 ms - 86.62 ns (1.07 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

MSC9 Optimal

- Standard

TIMING Cat 40 : 3.04 s - 304.05 ns (3.24 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

TIMING Cat 18 : 1.04 s - 103.95 ns (1.24 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000
- Experimental
TIMING Cat 40 : 2.48 s - 248.49 ns (2.67 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000
TIMING Cat 18 : 915.92 ms - 91.59 ns (1.10 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

MINGW 4.5.2 Speed

- Standard

TIMING Cat 40 : 5.59 s - 558.74 ns (5.85 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

TIMING Cat 18 : 1.89 s - 189.04 ns (2.15 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

- Experimental

TIMING Cat 40 : 2.91 s - 290.74 ns (3.18 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

TIMING Cat 18 : 853.43 ms - 85.34 ns (1.13 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

MINGW 4.5.2 Optimal

- Standard

TIMING Cat 40 : 5.54 s - 554.21 ns (5.84 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

TIMING Cat 18 : 1.81 s - 180.81 ns (2.11 s / 10000000), min: 0.00 ns, max: 2.00 ms,
nesting: 1 - 10000000

- Experimental

TIMING Cat 40 : 2.84 s - 284.44 ns (3.14 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

TIMING Cat 18 : 824.40 ms - 82.44 ns (1.12 s / 10000000), min: 0.00 ns, max: 1.00 ms,
nesting: 1 - 10000000

Well, I guess this sort of vindicates the optimization...

Mirek
