Existing profiler report	Accurate profiler report
/media/sophie/Data/GSOC/Part2-Precision/VM_Test/pharo-vm/lib/pharo/ 5.0-201706131152/pharo 2017-06-19 22:21:34 eden size: 3,801,936 stack pages: 50 code size: 1,048,576	/media/sophie/Data/GSOC/Part2-Precision/VM_Test/pharo-vm/lib/pharo/ 5.0-201706131152/pharo 2017-06-19 22:16:11 eden size: 3,801,936 stack pages: 50 code size: 1,048,576

Existing profiler report:

7.126 seconds; sampling frequency 1450 hz
10305 samples in the VM (10332 samples in the entire program) 99.74% of total

10007 samples in generated vm code 97.11% of entire vm (96.85% of total)
298 samples in vanilla vm code 2.89% of entire vm (2.88% of total)

% of generated vm code (% of total) (samples) (cumulative)
46.55% (45.08%) Integer>>benchFib (4658) (46.55%)
20.40% (19.75%) Integer>>benchmark (2041) (66.94%)
17.21% (16.67%) Object>>at:put: (1722) (84.15%)
10.10% (9.79%) SmallInteger>>+ (1011) (94.25%)
5.68% (5.50%) Object>>at: (568) (99.93%)
0.03% (0.03%) Sequenceab...m:to:put:(3) (99.96%)
0.02% (0.02%) Array>>repla...startingAt:(2) (99.98%)
0.02% (0.02%) ...others... (2) (100.0%)

% of vanilla vm code (% of total) (samples) (cumulative)
47.65% (1.37%) primitiveStringReplace (142) (47.65%)
27.18% (0.78%) instantiateClassindexableSize (81) (74.83%)
8.72% (0.25%) scavengeReferentsOf (26) (83.56%)
5.70% (0.16%) copyAndForward (17) (89.26%)
3.36% (0.10%) doScavenge (10) (92.62%)
2.01% (0.06%) addressAfter (6) (94.63%)
1.68% (0.05%) heartbeat_handler (5) (96.31%)
1.34% (0.04%) bytesInObject (4) (97.65%)
0.67% (0.02%) shouldRemapObj (2) (98.32%)
1.68% (0.05%) ...others... (5) (100.0%)

Memory
old +157,616 bytes
free +0 bytes

GCs
full 0 totalling 0ms (0.0% elapsed time)
scavenges 182 totalling 57ms (0.8% elapsed time), avg 0.313ms
tenures 0
root table 0 overflows

Compiled Code Compactions
0 totalling 0ms (0.0% elapsed time)

Events
Process switches 38 (5 per second)
ioProcessEvents calls 350 (49 per second)
Interrupt checks 3745 (526 per second)
Event checks 3743 (525 per second)
Stack overflows 209 (29 per second)
Stack page divorces 0 (0 per second)

Accurate profiler report:

6.948 seconds; sampling frequency 1495 hz
10368 samples in the VM (10389 samples in the entire program) 99.80% of total

10067 samples in generated vm code 97.10% of entire vm (96.90% of total)
301 samples in vanilla vm code 2.90% of entire vm (2.90% of total)

% of generated vm code (% of total) (samples) (cumulative)
47.03% (45.58%) Integer>>benchFib (4735) (47.03%)
57.95% 1->23 (2744) (57.95%)
5.89% 24->30 (279) (63.84%)
2.89% 30->31 (137) (66.74%)
8.24% 31->34 (390) (74.97%)
3.38% 34->35 (160) (78.35%)
6.59% 35->36 (312) (84.94%)
3.06% 36->38 (145) (88.00%)
12.00% 38->6667 (568) (100.0%)
20.62% (19.98%) Integer>>benchmark (2076) (67.66%)
0.05% 44->50 (1) (0.05%)
11.32% 52->60 (235) (11.37%)
3.90% 61->65 (81) (15.27%)
4.05% 65->66 (84) (19.32%)
6.17% 66->70 (128) (25.48%)
2.94% 70->74 (61) (28.42%)
35.36% 74->78 (734) (63.78%)
8.24% 79->84 (171) (72.01%)
8.62% 84->88 (179) (80.64%)
8.67% 88->90 (180) (89.31%)
2.12% 90->94 (44) (91.43%)
5.15% 94->98 (107) (96.58%)
3.37% 98->100 (70) (99.95%)
0.05% 100->104 (1) (100.0%)
15.36% (14.88%) Object>>at:put: (1546) (83.01%)
100.0% 1->65 (1546) (100.0%)
10.78% (10.44%) SmallInteger>>+ (1085) (93.79%)
100.0% 1->22 (1085) (100.0%)
6.07% (5.88%) Object>>at: (611) (99.86%)
100.0% 1->57 (611) (100.0%)
0.04% (0.04%) Sequenceab...m:to:put:(4) (99.90%)
0.03% (0.03%) Array class>>new: (3) (99.93%)
0.02% (0.02%) Array>>repla...startingAt:(2) (99.95%)
0.02% (0.02%) SmallInteger>>- (2) (99.97%)
0.03% (0.03%) ...others... (3) (100.0%)

% of vanilla vm code (% of total) (samples) (cumulative)
45.18% (1.31%) primitiveStringReplace (136) (45.18%)
30.56% (0.89%) instantiateClassindexableSize (92) (75.75%)
9.30% (0.27%) scavengeReferentsOf (28) (85.05%)
3.99% (0.12%) copyAndForward (12) (89.04%)
1.99% (0.06%) addressAfter (6) (91.03%)
1.99% (0.06%) doScavenge (6) (93.02%)
1.99% (0.06%) heartbeat_handler (6) (95.02%)
1.99% (0.06%) moveFramesInth...toPage.isra.74(6) (97.01%)
0.66% (0.02%) handleStackOverflow (2) (97.67%)
2.33% (0.07%) ...others... (7) (100.0%)

Memory
old +2,425,712 bytes
free +0 bytes

GCs
full 0 totalling 0ms (0.0% elapsed time)
scavenges 182 totalling 53ms (0.763% elapsed time), avg 0.291ms
tenures 0
root table 0 overflows

Compiled Code Compactions
0 totalling 0ms (0.0% elapsed time)

Events
Process switches 38 (5 per second)
ioProcessEvents calls 340 (49 per second)
Interrupt checks 3656 (526 per second)
Event checks 3660 (527 per second)
Stack overflows 15183 (2185 per second)
Stack page divorces 0 (0 per second)