Forked process generates spurious signal errors

The attached test program demonstrates the problem. About 25% percent of the time the forked-off program terminates with a signal error.

For best results the first parameter of the doRun() call should be set to a value slightly higher than the number of CPU cores in the system.

time ruby19 ruby-signal-bug.rb
Ok: 1513  Errors: 487

real 1m21.352s
user 1m3.712s
sys  0m20.913s

The terminated processes are killed during the IO operation and leave test*.txt files of varying size in the current directory.
The program works fine with ruby 1.8.7 PL27.

This issue was solved with changeset r25771.

Chris, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

Files
ruby-signal-bug.rb  779 Bytes  11/15/2009  orem (Chris Schlaeger)
BatchProcessor.rb   11.9 KB    11/15/2009  orem (Chris Schlaeger)