NAME

sacabench construct − manual page for sacabench construct 1.0

SYNOPSIS

sacabench *construct* [*OPTIONS*] *algorithm input*

DESCRIPTION

Construct a SA.

Positionals:

algorithm TEXT REQUIRED
: Which algorithm to run.

input TEXT REQUIRED
: Path to input file, or − for STDIN.

OPTIONS

−h,−−help
: Print this help message and exit

−−config TEXT
: Read an config file for CLI args

−c,−−check
: Check the constructed SA.

−q,−−fastcheck
: Check the constructed SA with a faster, parallel algorithm.

−b,−−benchmark TEXT
: Record benchmark and output as JSON. Takes path to output file, or − for STDOUT

−J,−−json TEXT
: Output SA as JSON array. Takes path to output file, or − for STDOUT.

−B,−−binary TEXT
: Output SA as binary array of unsigned integers, with a 1 Byte header describing the number of bits used for each integer. Takes path to output file, or − for STDOUT.

−F,−−fixed UINT Needs: **−−binary**
: Elide the header, and output a fixed number of bits per SA entry

−p,−−prefix TEXT
: Calculate SA of prefix of size TEXT.

−f,−−force
: Overwrite existing files instead of raising an error.

−m,−−minimum_sa_bits UINT=32
: The lower bound of bits to use per SA entry during construction

−r,−−repetitions UINT=1
: The value indicates the number of times the SACA(s) will run. A larger number will possibly yield more accurate results

−z,−−rplot Needs: **−−benchmark**
: Plots measurements with R.

−−latexplot Needs: **−−benchmark**
: Plots measurements with LaTex and SqlPlotTools.

−s,−−sysinfo Needs: **−−benchmark**
: Add system information to benchmark output.

SEE ALSO

sacabench(1)