

File:Search-for-sacred-cuts-an-extension-of-the-silver-ratio-v2c PERL-code-saved-as-a-text-file.pdf

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```
#!/usr/bin/perl
# this is the path to your installation of PERL on your computer
# Semi-Exhaustive List of Sacred Cuts of the Quadrature of Equilateral Polygons, by Vinyasi.
# This file was originally formed on: 13 Dec. 2003, but was originally discovered using a 1k
# IBM PC with monochrome display between 1994 and 1997.
# It was modified on: 7 Dec. 2023.
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# Retrieved from its previous location of:
# http://vinyasi.bayashashtra.org/book/sip/sacred_cuts.sip
# Located at: "Archived"
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# HINT ...
# COMMENT OUT THE DEBUG LINES IF YOU DON'T WANT EXPLANATORY TEXT WRITTEN TO A FILE
$ivannasearch = 3; # 13 is the maximum length of digits among primes that I may search for
# Hint: 3 digits means that primes less than 1000 will be my upper limit
# Hint: I have never been able to find any prime greater than the integer of 5 to satisfy
# these search criteria.
# This is not five digits, but the number "5", as in how many fingers do I have on one hand?
#Skill_debug = 7; # at what prime is it appropriate to kill a runaway test?
# Hint: 7 is good.

#####
## DO NOT CHANGE ANYTHING BENEATH THIS LINE UNLESS YOU KNOW WHAT YOU ARE DOING ##
#####
$truelimit = 15; # this is how many digits of accuracy which are available to my computer.
# this is the total which includes both sides of the decimal point.
$marginforError = 0; # how many extra digits to allow for accuracy

# bailout if ...
if($marginforError < 0) {
    die "UNDERFLOW" .
        "\n$marginforError MUST BE GREATER THAN OR EQUAL TO ZERO\n" .
        "\nTRY SOMETHING LARGER.\n";
}

$skylimit = 1; # 1; # this limit is less than one-half of how many digits I must have access to
# on my computer for accuracy to succeed
$skylimit = int(($truelimit - $marginforError - $ivannasearch) / 2);
$skylimit = ($skylimit - ($skylimit * 2) - $marginforError);

# bailout if ...
if($skylimit < $ivannasearch < 1) {
    die "UNDERFLOW" .
        "\nTOO MANY DIGITS.\n" .
        "\nTHE LIMIT IS $skylimit DIGITS.\n" .
        "\nBUT YOU WANT TO SEARCH FOR $ivannasearch DIGITS.\n" .
        "\nTHAT WON'T WORK!\nTRY SOMETHING SMALLER.\n";
}

$seafelimit = $truelimit - $marginforError - $ivannasearch; # accuracy of search to this many
# digits

# bailout if ...
if($seafelimit < 0) {
    die "UNDERFLOW" .
        "\n$seafelimit MUST BE GREATER THAN OR EQUAL TO ZERO\n" .
        "\nTRY SOMETHING LARGER.\n";
}

$shift = int(10 ** ($seafelimit / 2)); # round-down to the nearest integer
$limit = 10 ** $ivannasearch; # maximum numeric value to search for primes which meet the
```

Go to page **Go!**



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File information | **Structured data**

Captions **Edit**

English Searching for more sacred cuts (an extension of the silver ratio) v2c in PERL code.

Summary [edit]

Description	English: Using PERL installed on a 64-bit Windows operating system, a non-exhaustive search was performed using this code. It was discovered that there are three different sets of Sacred cuts which are extensions of the Silver ratio made famous by the Pell series of numbers.	<p>Data-output-search-range-2-to-100-sacred-cuts-an-extension-of-the-silver-ratio</p>
Date	7 January 2023	
Source	Own work	
Author	Vinyasi	

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File history

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	Date/Time	Thumbnail	Dimensions	User	Comment
	13:49, 7 January 2023		1,275 × 1,650, 4 pages (43 KB)	Vinyasi (talk contribs)	Uploaded own work with UploadWizard

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- File:Sacred-cut-drawn-with-straight-edge-and-compass.svg

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