

## Yura Duda / TestNewton

Function: newton('4\*x - sin(2\*y) + x^2+y^2 + cos(z) + 5',[4,5,3],[x','y','z'])

@home:~\$ F'

[2 \* x - 4,2 \* y - 2 \* cos(2 \* y),0 - sin(z)]

@home:~\$ Hesse

[2 || 0 || 0 |

0 || 4 \* sin(2 \* y) + 2 || 0 |

0 || 0 || 0 - cos(z) |

@home:~\$ Iteration

\$ = Hesse(0)

[2 || 0 || 0 |

0 || -0.1760844435574791 || 0 |

0 || 0 || 0.9899924966004454 |

\$ = Inverse Hesse(0)

[0.5 || 0 || 0 |

0 || -5.679093392901406 || 0 |

0 || 0 || 1.0101086659079939 |

\$ = x0

[4,5,3]

\$ = Hesse(1)

[2 || 0 || 0 |

0 || -1.821422107073856 || 0 |

0 || 0 || 0.9999995450474601 |

\$ = Inverse Hesse(1)

[0.5 || 0 || 0 |

0 || -0.5490215563522044 || 0 |

0 || 0 || 1.0000004549527468 |

\$ = x1

[2,71.32126508291358,3.142546543074278]

\$ = Hesse(2)

[2 || 0 || 0 |

0 || -1.9787728832386153 || 0 |

0 || 0 || 1 |

\$ = Inverse Hesse(2)

[0.5 || 0 || 0 |

0 || -0.5053637072099559 || 0 |

0 || 0 || 1 |

\$ = x2

[2,149.95951533900762,3.141592653300477]

\$ = Hesse(3)

[2 || 0 || 0 |

0 || 2.310111303259778 || 0 |

0 || 0 || 1 |

\$ = Inverse Hesse(3)

[0.5 || 0 || 0 |

0 || 0.432879575364576 || 0 |

0 || 0 || 1 |

\$ = x3

[2,301.63169759509816,3.141592653589793]

\$ = Hesse(4)

[2 || 0 || 0 |

0 || 5.424012799345703 || 0 |

0 || 0 || 1 |

\$ = Inverse Hesse(4)

[0.5 || 0 || 0 |

0 || 0.18436534665269036 || 0 |

0 || 0 || 1 |

\$ = x4

[2,41.354448631167145,3.141592653589793]

\$ = Hesse(5)

[2 || 0 || 0 |

0 || 4.908819478999927 || 0 |

0 || 0 || 1 |

\$ = Inverse Hesse(5)

[0.5 || 0 || 0 |

0 || 0.20371496737210018 || 0 |

0 || 0 || 1 |

\$ = x5

[2,26.296417015577433,3.141592653589793]

\$ = Hesse(6)

[2 || 0 || 0 |

0 || -0.898041986575516 || 0 |

0 || 0 || 1 |

\$ = Inverse Hesse(6)

[0.5 || 0 || 0 |

0 || -1.113533682109094 || 0 |

0 || 0 || 1 |

\$ = x6

[2,15.30280129493301,3.141592653589793]

\$ = Hesse(7)

[2 || 0 || 0 |

0 || 5.970118620533837 || 0 |

0 || 0 || 1 |

\$ = Inverse Hesse(7)

[0.5 || 0 || 0 |

0 || 0.16750085945705745 || 0 |

0 || 0 || 1 |

\$ = x7

[2,47.84813379956809,3.141592653589793]

\$ = Hesse(8)

[2 || 0 || 0 |

0 || 5.10259733668265 || 0 |

0 || 0 || 1 |

\$ = Inverse Hesse(8)

[0.5 || 0 || 0 |

0 || 0.1959786230457545 || 0 |

0 || 0 || 1 |

\$ = x8

[2,31.85979815282604,3.141592653589793]

\$ = Hesse(9)

[2 || 0 || 0 |

0 || 5.998091684031406 || 0 |

0 || 0 || 1 |

\$ = Inverse Hesse(9)

[0.5 || 0 || 0 |

0 || 0.16671969230851857 || 0 |

0 || 0 || 1 |

\$ = x9

[2,19.619508746949684,3.141592653589793]

\$ = Hesse(10)

[2 || 0 || 0 |

0 || 5.455755548169658 || 0 |

```
| 0 | 0 | 1 |
$ = Inverse Hesse(10)
| 0.5 | 0 | 0 |
| 0 | 0.18329266976330863 | 0 |
| 0 | 0 | 1 |
$ = x10
[2,13.087890353815038,3.141592653589793]
$ = Hesse(11)
| 2 | 0 | 0 |
| 0 | -1.784928232708578 | 0 |
| 0 | 0 | 1 |
$ = Inverse Hesse(11)
| 0.5 | 0 | 0 |
| 0 | -0.5602466147798717 | 0 |
| 0 | 0 | 1 |
$ = x11
[2,8.474672778636434,3.141592653589793]
$ = Hesse(12)
| 2 | 0 | 0 |
| 0 | -1.4357797642420644 | 0 |
| 0 | 0 | 1 |
$ = Inverse Hesse(12)
| 0.5 | 0 | 0 |
| 0 | -0.6964856483597895 | 0 |
| 0 | 0 | 1 |
$ = x12
[2,18.332953066709955,3.141592653589793]
$ = Hesse(13)
| 2 | 0 | 0 |
| 0 | -1.9872295273773548 | 0 |
| 0 | 0 | 1 |
$ = Inverse Hesse(13)
| 0.5 | 0 | 0 |
| 0 | -0.5032131347805352 | 0 |
| 0 | 0 | 1 |
$ = x13
[2,43.15693451260296,3.141592653589793]
$ = Hesse(14)
| 2 | 0 | 0 |
| 0 | -0.10958226440203633 | 0 |
| 0 | 0 | 1 |
$ = Inverse Hesse(14)
| 0.5 | 0 | 0 |
| 0 | -9.125564300544033 | 0 |
| 0 | 0 | 1 |
$ = x14
[2,86.67156408756617,3.141592653589793]
$ = Hesse(15)
| 2 | 0 | 0 |
| 0 | 3.092233677922964 | 0 |
| 0 | 0 | 1 |
$ = Inverse Hesse(15)
| 0.5 | 0 | 0 |
| 0 | 0.32339082493652105 | 0 |
| 0 | 0 | 1 |
$ = x15
[2,1684.0319477452597,3.141592653589793]
$ = Hesse(16)
| 2 | 0 | 0 |
| 0 | 1.0384649903471292 | 0 |
| 0 | 0 | 1 |
$ = Inverse Hesse(16)
| 0.5 | 0 | 0 |
| 0 | 0.9629597620481443 | 0 |
| 0 | 0 | 1 |
$ = x16
[2,595.4531884434837,3.141592653589793]
$ = Hesse(17)
| 2 | 0 | 0 |
| 0 | -0.19793705279277418 | 0 |
| 0 | 0 | 1 |
$ = Inverse Hesse(17)
| 0.5 | 0 | 0 |
| 0 | -5.052111193384939 | 0 |
| 0 | 0 | 1 |
$ = x17
[2,-553.2111804499291,3.141592653589793]
$ = Hesse(18)
| 2 | 0 | 0 |
| 0 | 0.5634056729550927 | 0 |
| 0 | 0 | 1 |
$ = Inverse Hesse(18)
| 0.5 | 0 | 0 |
| 0 | 1.774920005251184 | 0 |
| 0 | 0 | 1 |
$ = x18
[2,-6151.422093452587,3.141592653589793]
$ = Hesse(19)
| 2 | 0 | 0 |
| 0 | -1.8719463317436134 | 0 |
| 0 | 0 | 1 |
$ = Inverse Hesse(19)
| 0.5 | 0 | 0 |
| 0 | -0.5342033492320027 | 0 |
| 0 | 0 | 1 |
$ = x19
[2,15688.455171461836,3.141592653589793]
$ = Hesse(20)
| 2 | 0 | 0 |
| 0 | 4.43393413111591 | 0 |
| 0 | 0 | 1 |
$ = Inverse Hesse(20)
| 0.5 | 0 | 0 |
| 0 | 0.22553334587952598 | 0 |
| 0 | 0 | 1 |
$ = x20
[2,32449.837593046985,3.141592653589793]
$ = Hesse(21)
| 2 | 0 | 0 |
| 0 | 4.416332326371041 | 0 |
| 0 | 0 | 1 |
$ = Inverse Hesse(21)
| 0.5 | 0 | 0 |
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| 0 || 0.2264322351895364 || 0 |
| 0 || 0 || 1 |
$ = x21
[2,17813.154653248726,3.141592653589793]
$ = Hesse(22)
| 2 || 0 || 0 |
| 0 || 3.7074120039785834 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(22)
| 0.5 || 0 || 0 |
| 0 || 0.26972993530982176 || 0 |
| 0 || 0 || 1 |
$ = x22
[2,9746.570702787682,3.141592653589793]
$ = Hesse(23)
| 2 || 0 || 0 |
| 0 || -1.0520575374175558 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(23)
| 0.5 || 0 || 0 |
| 0 || -0.9505183551601756 || 0 |
| 0 || 0 || 1 |
$ = x23
[2,4488.199087573698,3.141592653589793]
$ = Hesse(24)
| 2 || 0 || 0 |
| 0 || 0.13560620130872603 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(24)
| 0.5 || 0 || 0 |
| 0 || 7.374294024528889 || 0 |
| 0 || 0 || 1 |
$ = x24
[2,13021.659111246394,3.141592653589793]
$ = Hesse(25)
| 2 || 0 || 0 |
| 0 || 5.650703091805261 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(25)
| 0.5 || 0 || 0 |
| 0 || 0.17696912822232969 || 0 |
| 0 || 0 || 1 |
$ = x25
[2,-179016.37827528716,3.141592653589793]
$ = Hesse(26)
| 2 || 0 || 0 |
| 0 || -0.782375205323318 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(26)
| 0.5 || 0 || 0 |
| 0 || -1.2781591149565485 || 0 |
| 0 || 0 || 1 |
$ = x26
[2,-115655.77812253608,3.141592653589793]
$ = Hesse(27)
| 2 || 0 || 0 |
| 0 || 0.5864357386429293 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(27)
| 0.5 || 0 || 0 |
| 0 || 1.7052166744034045 || 0 |
| 0 || 0 || 1 |
$ = x27
[2,-411306.9155827348,3.141592653589793]
$ = Hesse(28)
| 2 || 0 || 0 |
| 0 || 5.625489863908832 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(28)
| 0.5 || 0 || 0 |
| 0 || 0.17776229700735022 || 0 |
| 0 || 0 || 1 |
$ = x28
[2,991431.0962929598,3.141592653589793]
$ = Hesse(29)
| 2 || 0 || 0 |
| 0 || 1.889914961506056 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(29)
| 0.5 || 0 || 0 |
| 0 || 0.5291243364744354 || 0 |
| 0 || 0 || 1 |
$ = x29
[2,638952.8080879926,3.141592653589793]
$ = Hesse(30)
| 2 || 0 || 0 |
| 0 || 3.6887569938289406 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(30)
| 0.5 || 0 || 0 |
| 0 || 0.27109403023103373 || 0 |
| 0 || 0 || 1 |
$ = x30
[2,-37217.0953002522,3.141592653589793]
$ = Hesse(31)
| 2 || 0 || 0 |
| 0 || 5.341134830417986 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(31)
| 0.5 || 0 || 0 |
| 0 || 0.1872261292309938 || 0 |
| 0 || 0 || 1 |
$ = x31
[2,-17038.922081036664,3.141592653589793]
$ = Hesse(32)
| 2 || 0 || 0 |
| 0 || 5.596091722507912 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(32)
| 0.5 || 0 || 0 |
| 0 || 0.17869614180516788 || 0 |
| 0 || 0 || 1 |
$ = x32
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[2,-10658.86510706737,3.141592653589793]
$ = Hesse(33)
| 2 || 0 || 0 |
| 0 || -1.8331587661161493 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(33)
| 0.5 || 0 || 0 |
| 0 || -0.5455064877542853 || 0 |
| 0 || 0 || 1 |
$ = x33
[2,-6849.312463121978,3.141592653589793]
$ = Hesse(34)
| 2 || 0 || 0 |
| 0 || 3.615423981392776 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(34)
| 0.5 || 0 || 0 |
| 0 || 0.27659273300908077 || 0 |
| 0 || 0 || 1 |
$ = x34
[2,-14322.313043733804,3.141592653589793]
$ = Hesse(35)
| 2 || 0 || 0 |
| 0 || 5.4195780338548625 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(35)
| 0.5 || 0 || 0 |
| 0 || 0.18451621025718776 || 0 |
| 0 || 0 || 1 |
$ = x35
[2,-6398.911561628083,3.141592653589793]
$ = Hesse(36)
| 2 || 0 || 0 |
| 0 || -0.6836825229324508 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(36)
| 0.5 || 0 || 0 |
| 0 || -1.462667197796428 || 0 |
| 0 || 0 || 1 |
$ = x36
[2,-4037.314284673522,3.141592653589793]
$ = Hesse(37)
| 2 || 0 || 0 |
| 0 || -1.8386751849726766 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(37)
| 0.5 || 0 || 0 |
| 0 || -0.5438698516045184 || 0 |
| 0 || 0 || 1 |
$ = x37
[2,-15849.977848228344,3.141592653589793]
$ = Hesse(38)
| 2 || 0 || 0 |
| 0 || -1.5218866335639132 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(38)
| 0.5 || 0 || 0 |
| 0 || -0.6570791660468341 || 0 |
| 0 || 0 || 1 |
$ = x38
[2,-33090.93384832921,3.141592653589793]
$ = Hesse(39)
| 2 || 0 || 0 |
| 0 || 4.822175529710853 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(39)
| 0.5 || 0 || 0 |
| 0 || 0.20737527985837587 || 0 |
| 0 || 0 || 1 |
$ = x39
[2,-76578.28332274113,3.141592653589793]
$ = Hesse(40)
| 2 || 0 || 0 |
| 0 || 4.052589655698237 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(40)
| 0.5 || 0 || 0 |
| 0 || 0.24675579936743086 || 0 |
| 0 || 0 || 1 |
$ = x40
[2,-44817.691372203095,3.141592653589793]
$ = Hesse(41)
| 2 || 0 || 0 |
| 0 || -0.6402336550506957 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(41)
| 0.5 || 0 || 0 |
| 0 || -1.5619297612850684 || 0 |
| 0 || 0 || 1 |
$ = x41
[2,-22699.217270254383,3.141592653589793]
$ = Hesse(42)
| 2 || 0 || 0 |
| 0 || 5.957790676260617 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(42)
| 0.5 || 0 || 0 |
| 0 || 0.1678474545916148 || 0 |
| 0 || 0 || 1 |
$ = x42
[2,-93606.03660695342,3.141592653589793]
$ = Hesse(43)
| 2 || 0 || 0 |
| 0 || 1.2139445934042496 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(43)
| 0.5 || 0 || 0 |
| 0 || 0.8237608251919575 || 0 |
| 0 || 0 || 1 |
$ = x43
[2,-62183.01528824499,3.141592653589793]
$ = Hesse(44)
| 2 || 0 || 0 |
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| 0 | | 5.673066439091029 | | 0 |
| 0 | | 0 | | 1 |
$ = Inverse Hesse(44)
| 0.5 | | 0 | | 0 |
| 0 | | 0.17627151219477447 | | 0 |
| 0 | | 0 | | 1 |
$ = x44
[2,40263.233288586984,3.141592653589793]
$ = Hesse(45)
| 2 | | 0 | | 0 |
| 0 | | 1.32333143018999 | | 0 |
| 0 | | 0 | | 1 |
$ = Inverse Hesse(45)
| 0.5 | | 0 | | 0 |
| 0 | | 0.7556685930571682 | | 0 |
| 0 | | 0 | | 1 |
$ = x45
[2,26068.850847202608,3.141592653589793]
$ = Hesse(46)
| 2 | | 0 | | 0 |
| 0 | | 4.100627590775822 | | 0 |
| 0 | | 0 | | 1 |
$ = Inverse Hesse(46)
| 0.5 | | 0 | | 0 |
| 0 | | 0.24386511036736305 | | 0 |
| 0 | | 0 | | 1 |
$ = x46
[2,-13328.483282589725,3.141592653589793]
$ = Hesse(47)
| 2 | | 0 | | 0 |
| 0 | | 1.5419478396196897 | | 0 |
| 0 | | 0 | | 1 |
$ = Inverse Hesse(47)
| 0.5 | | 0 | | 0 |
| 0 | | 0.6485303680873166 | | 0 |
| 0 | | 0 | | 1 |
$ = x47
[2,-6828.194250176748,3.141592653589793]
$ = Hesse(48)
| 2 | | 0 | | 0 |
| 0 | | 5.998693982022514 | | 0 |
| 0 | | 0 | | 1 |
$ = Inverse Hesse(48)
| 0.5 | | 0 | | 0 |
| 0 | | 0.16670295284221864 | | 0 |
| 0 | | 0 | | 1 |
$ = x48
[2,2027.0998823608643,3.141592653589793]
$ = Hesse(49)
| 2 | | 0 | | 0 |
| 0 | | 4.735254719851051 | | 0 |
| 0 | | 0 | | 1 |
$ = Inverse Hesse(49)
| 0.5 | | 0 | | 0 |
| 0 | | 0.21118188126349732 | | 0 |
| 0 | | 0 | | 1 |
$ = x49
[2,1351.2613293420873,3.141592653589793]
$ = Hesse(50)
| 2 | | 0 | | 0 |
| 0 | | 0.7423698242449492 | | 0 |
| 0 | | 0 | | 1 |
$ = Inverse Hesse(50)
| 0.5 | | 0 | | 0 |
| 0 | | 1.3470375106060941 | | 0 |
| 0 | | 0 | | 1 |
$ = x50
[2,780.8456906589877,3.141592653589793]
$ = Hesse(51)
| 2 | | 0 | | 0 |
| 0 | | 4.775720491262324 | | 0 |
| 0 | | 0 | | 1 |
$ = Inverse Hesse(51)
| 0.5 | | 0 | | 0 |
| 0 | | 0.20939248890918213 | | 0 |
| 0 | | 0 | | 1 |
$ = x51
[2,-1325.368633324023,3.141592653589793]
$ = Hesse(52)
| 2 | | 0 | | 0 |
| 0 | | -0.46771126124266527 | | 0 |
| 0 | | 0 | | 1 |
$ = Inverse Hesse(52)
| 0.5 | | 0 | | 0 |
| 0 | | -2.1380712479385107 | | 0 |
| 0 | | 0 | | 1 |
$ = x52
[2,-770.022616697026,3.141592653589793]
$ = Hesse(53)
| 2 | | 0 | | 0 |
| 0 | | -1.9067630134101088 | | 0 |
| 0 | | 0 | | 1 |
$ = Inverse Hesse(53)
| 0.5 | | 0 | | 0 |
| 0 | | -0.5244490232750906 | | 0 |
| 0 | | 0 | | 1 |
$ = x53
[2,-4066.1144592956775,3.141592653589793]
$ = Hesse(54)
| 2 | | 0 | | 0 |
| 0 | | 5.902703993635274 | | 0 |
| 0 | | 0 | | 1 |
$ = Inverse Hesse(54)
| 0.5 | | 0 | | 0 |
| 0 | | 0.16941388236277355 | | 0 |
| 0 | | 0 | | 1 |
$ = x54
[2,-8330.828825391322,3.141592653589793]
$ = Hesse(55)
| 2 | | 0 | | 0 |
| 0 | | -1.9864812701602004 | | 0 |
| 0 | | 0 | | 1 |
$ = Inverse Hesse(55)

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|0.5||0||0|
|0||-0.5034026824322158||0|
|0||0||1|
$ = x55
[2,-5508.038439171172,3.141592653589793]
$ = Hesse(56)
|2||0||0|
|0||0.32984893664202897||0|
|0||0||1|
$ = Inverse Hesse(56)
|0.5||0||0|
|0||3.0316908406021557||0|
|0||0||1|
$ = x56
[2,-11053.478384713517,3.141592653589793]
$ = Hesse(57)
|2||0||0|
|0||4.194221703109953||0|
|0||0||1|
$ = Inverse Hesse(57)
|0.5||0||0|
|0||0.23842325722994442||0|
|0||0||1|
$ = x57
[2,55962.470416955235,3.141592653589793]
$ = Hesse(58)
|2||0||0|
|0||2.4853699266365465||0|
|0||0||1|
$ = Inverse Hesse(58)
|0.5||0||0|
|0||0.40235459087303793||0|
|0||0||1|
$ = x58
[2,29276.562759926546,3.141592653589793]
$ = Hesse(59)
|2||0||0|
|0||5.5429138056073635||0|
|0||0||1|
$ = Inverse Hesse(59)
|0.5||0||0|
|0||0.18041052685834166||0|
|0||0||1|
$ = x59
[2,5718.242659992764,3.141592653589793]
$ = Hesse(60)
|2||0||0|
|0||2.75732065307178||0|
|0||0||1|
$ = Inverse Hesse(60)
|0.5||0||0|
|0||0.3626709134775292||0|
|0||0||1|
$ = x60
[2,3655.1478124883706,3.141592653589793]
$ = Hesse(61)
|2||0||0|
|0||5.508246288865752||0|
|0||0||1|
$ = Inverse Hesse(61)
|0.5||0||0|
|0||0.18154598533863273||0|
|0||0||1|
$ = x61
[2,1003.2039974671638,3.141592653589793]
$ = Hesse(62)
|2||0||0|
|0||5.527247952146026||0|
|0||0||1|
$ = Inverse Hesse(62)
|0.5||0||0|
|0||0.18092186358524714||0|
|0||0||1|
$ = x62
[2,638.7742596500107,3.141592653589793]
$ = Hesse(63)
|2||0||0|
|0||-1.8105720882562801||0|
|0||0||1|
$ = Inverse Hesse(63)
|0.5||0||0|
|0||-0.5523116182372373||0|
|0||0||1|
$ = x63
[2,407.4671548101536,3.141592653589793]
$ = Hesse(64)
|2||0||0|
|0||3.8892309298628467||0|
|0||0||1|
$ = Inverse Hesse(64)
|0.5||0||0|
|0||0.2571202425450383||0|
|0||0||1|
$ = x64
[2,857.9007479823733,3.141592653589793]
$ = Hesse(65)
|2||0||0|
|0||-1.8435681728726143||0|
|0||0||1|
$ = Inverse Hesse(65)
|0.5||0||0|
|0||-0.5424263744159882||0|
|0||0||1|
$ = x65
[2,417.18672008543,3.141592653589793]
$ = Hesse(66)
|2||0||0|
|0||-1.989234218210557||0|
|0||0||1|
$ = Inverse Hesse(66)
|0.5||0||0|
|0||-0.5027060116126314||0|
|0||0||1|

```

```
$ = x66
[2,869.4724592073374,3.141592653589793]
$ = Hesse(67)
| 2 || 0 || 0 |
| 0 || 1.9430835868136322 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(67)
| 0.5 || 0 || 0 |
| 0 || 0.5146458993253353 || 0 |
| 0 || 0 || 1 |
$ = x67
[2,1743.5768079505876,3.141592653589793]
$ = Hesse(68)
| 2 || 0 || 0 |
| 0 || 3.7194429187296683 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(68)
| 0.5 || 0 || 0 |
| 0 || 0.26885746652123327 || 0 |
| 0 || 0 || 1 |
$ = x68
[2,-50.04331319609901,3.141592653589793]
$ = Hesse(69)
| 2 || 0 || 0 |
| 0 || -1.8701065911700234 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(69)
| 0.5 || 0 || 0 |
| 0 || -0.5347288784081311 || 0 |
| 0 || 0 || 1 |
$ = x69
[2,-22.64877615637919,3.141592653589793]
$ = Hesse(70)
| 2 || 0 || 0 |
| 0 || 1.8630547498966707 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(70)
| 0.5 || 0 || 0 |
| 0 || 0.5367528786019102 || 0 |
| 0 || 0 || 1 |
$ = x70
[2,-47.14101130597834,3.141592653589793]
$ = Hesse(71)
| 2 || 0 || 0 |
| 0 || 3.366906962619459 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(71)
| 0.5 || 0 || 0 |
| 0 || 0.2970085039777869 || 0 |
| 0 || 0 || 1 |
$ = x71
[2,4.538012162618337,3.141592653589793]
$ = Hesse(72)
| 2 || 0 || 0 |
| 0 || 4.169947903490973 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(72)
| 0.5 || 0 || 0 |
| 0 || 0.23981114947810875 || 0 |
| 0 || 0 || 1 |
$ = x72
[2,1.284098952545968,3.141592653589793]
$ = Hesse(73)
| 2 || 0 || 0 |
| 0 || 4.024223968538724 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(73)
| 0.5 || 0 || 0 |
| 0 || 0.24849511553481451 || 0 |
| 0 || 0 || 1 |
$ = x73
[2,0.2653029320012772,3.141592653589793]
$ = Hesse(74)
| 2 || 0 || 0 |
| 0 || 5.607704496357546 || 0 |
| 0 || 0 || 1 |
$ = Inverse Hesse(74)
| 0.5 || 0 || 0 |
| 0 || 0.17832608702001765 || 0 |
| 0 || 0 || 1 |
$ = x74
[2,0.5621043527928467,3.141592653589793]
@home:~$ Result
[2,0.5156632424113176,3.141592653589793]
-----
```