Yura Duda / Newton

Function: newton('-4*x - cos(x) + sin(x) + 2*y+x^2+y^2 + 5',[4,5],['x','y'])
@home:~$ F'
[cos(x) - 4 + sin(x) + 2 * x,2 * (y + 1)]
@home:~$ Hesse
| cos(x) - sin(x) + 2 | | 0 |
| 0 | | 2 |
@home:~$ Iteration
$ = Hesse(0)
| 2.103158874444316 | | 0 |
| 0 | | 2 |
$ = Inverse Hesse(0)
| 0.4754752539863228 | | 0 |
| 0 | | 0.5 |
$ = x0
[4,5]
$ = Hesse(1)
| 0.7044294616636482 | | 0 |
| 0 | | 2 |
$ = Inverse Hesse(1)
| 1.419588552753464 | | 0 |
| 0 | | 0.5 |
$ = x1
[2.768731209375394,-1]
$ = Hesse(2)
| 1.1948515507240205 | | 0 |
| 0 | | 2 |
$ = Inverse Hesse(2)
| 0.8369240508530535 | | 0 |
| 0 | | 0.5 |
$ = x2
[1.3910838587184944,-1]
@home:~$ Result
[1.4372740939275108,-1]
