import math

def funk(x):

return x \*\* 4 + 2 \* x \*\* 3 + 2 \* x \*\* 2 + 6 \* x - 3

def funkPoh(x):

return 12 \* x \*\* 2 + 12 \* x + 4

# f'=24x^3 + 24x^2 - 48x

# f''=72x^2 + 48x - 48

def metHord(a, b):

if funk(a) \* funkPoh(a) > 0:

x0 = a

xi = b

else:

x0 = b

xi = a

while abs((xi - (((xi - x0) / (funk(xi) - funk(x0))) \* funk(xi))) - xi) <= 0.001:

xi1 = xi - (((xi - x0) / (funk(xi) - funk(x0))) \* funk(xi))

if abs(xi1 - xi) <= 0.001:

xi = xi1

return print('Metod Hord = ', funk(xi))

metHord(-2, 6)