import math

def cdf(x, mean, std):

return 1/2\*(1+math.erf((x-mean) / std / 2\*\*(1/2)))

mean = 20

std = 2

# Less than 19.5 hours

print(round(cdf(19.5, mean, std), 3))

# Between 20 and 22 hours?

print(round(cdf(22, mean, std) - cdf(20, mean, std), 3))