









```
1 import math
2 def p(x, terms=5):
3     result=0.5
4     for n in range(1, terms+1):
5         term=(-1)**(n+1)*(x**(2*n))/(math.factorial(2*n))
6         result+=term/(2**(n-1)*math.sqrt(math.pi))
7     return result
8 def q(mu, sigma, x):
9     z=(x-mu)/sigma
10    return p(z)
11 mu=15
12 sigma=1
13 x=70
14 m=q(mu, sigma, x)
15 print(f"tabe:{m:.4f}")
```

PS C:\Users\Bashir-Rayaneh> & C:/Users/Bashir-Rayaneh/AppData/Local/Programs/Python/Python313/python.exe c:/Users/Bashir-Rayaneh/Desktop/aa_aa/aa_aa.py
tabe:86.6958
PS C:\Users\Bashir-Rayaneh> & C:/Users/Bashir-Rayaneh/AppData/Local/Programs/Python/Python313/python.exe c:/Users/Bashir-Rayaneh/Desktop/aa_aa/aa_aa.py
tabe:1909752.0437
PS C:\Users\Bashir-Rayaneh> & C:/Users/Bashir-Rayaneh/AppData/Local/Programs/Python/Python313/python.exe c:/Users/Bashir-Rayaneh/Desktop/aa_aa/aa_aa.py
tabe:2320181798.0945
PS C:\Users\Bashir-Rayaneh> |

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7     return result
8 def q(mu, sigma, x):
9     z=(x-mu)/sigma
10    return p(z)
11 mu=15
12 sigma=2
13 x=70
14 m=q(mu, sigma, x)
15 print(f"tabe:{m:.4f}")
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tabe:1909752.0437
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tabe:86.6958
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6         result+=term/(2**(n-1)*math.sqrt(math.pi))
7     return result
8 def q(mu, sigma, x):
9     z=(x-mu)/sigma
10    return p(z)
11 mu=30
12 sigma=5
13 x=70
14 m=q(mu, sigma, x)
15 print(f"tabe:{m:.4f}")
```

PS C:\Users\Bashir-Rayaneh> & C:/Users/Bashir-Rayaneh/AppData/Local/Programs/Python/Python313/python.exe c:/Users/Bashir-Rayaneh/Desktop/aa_aa/aa_aa.py
tabe:703227.2813
PS C:\Users\Bashir-Rayaneh> & C:/Users/Bashir-Rayaneh/AppData/Local/Programs/Python/Python313/python.exe c:/Users/Bashir-Rayaneh/Desktop/aa_aa/aa_aa.py
tabe:91202305.0086
PS C:\Users\Bashir-Rayaneh> & C:/Users/Bashir-Rayaneh/AppData/Local/Programs/Python/Python313/python.exe c:/Users/Bashir-Rayaneh/Desktop/aa_aa/aa_aa.py
tabe:65497.6369
PS C:\Users\Bashir-Rayaneh> & C:/Users/Bashir-Rayaneh/AppData/Local/Programs/Python/Python313/python.exe c:/Users/Bashir-Rayaneh/Desktop/aa_aa/aa_aa.py
tabe:2.8524
PS C:\Users\Bashir-Rayaneh>

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Search

aa_aa.py 4

C: > Users > Bashir-Rayaneh > Desktop > aa_aa > aa_aa.py > ...

```
1 import math
2 def p(x,terms=5):
3     result=0.5
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Run Python File

PROBLEMS 11 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Bashir-Rayaneh> & C:\Users\Bashir-Rayaneh\AppData\Local\Programs\Python\Python313\python.exe c:\Users\Bashir-Rayaneh\Desktop\aa_aa\aa_aa.py
tabe:703227.2813
PS C:\Users\Bashir-Rayaneh> & C:\Users\Bashir-Rayaneh\AppData\Local\Programs\Python\Python313\python.exe c:\Users\Bashir-Rayaneh\Desktop\aa_aa\aa_aa.py
tabe:91202305.0086
PS C:\Users\Bashir-Rayaneh> & C:\Users\Bashir-Rayaneh\AppData\Local\Programs\Python\Python313\python.exe c:\Users\Bashir-Rayaneh\Desktop\aa_aa\aa_aa.py
tabe:65497.6369
PS C:\Users\Bashir-Rayaneh>

Ln 12, Col 8 Spaces: 4 UTF-8 CRLF {} Python 3.13.0 64-bit 7:19 AM 11/29/2024

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Search

aa_aa.py 4

C: > Users > Bashir-Rayaneh > Desktop > aa_aa > aa_aa.py > ...

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PROBLEMS 11 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Bashir-Rayaneh> & C:\Users\Bashir-Rayaneh\AppData\Local\Programs\Python\Python313\python.exe c:\Users\Bashir-Rayaneh\Desktop\aa_aa\aa_aa.py
tabe:703227.2813
PS C:\Users\Bashir-Rayaneh> & C:\Users\Bashir-Rayaneh\AppData\Local\Programs\Python\Python313\python.exe c:\Users\Bashir-Rayaneh\Desktop\aa_aa\aa_aa.py
tabe:91202305.0086
PS C:\Users\Bashir-Rayaneh>

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aa_aa.py 4

C: > Users > Bashir-Rayaneh > Desktop > aa_aa > aa_aa.py > ...

```
1 import math
2 def p(x,terms=5):
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5         term=(-1)**(n+1)*(x**(2*n))/(math.factorial(2*n))
6         result+=term/(2**(n-1)*math.sqrt(math.pi))
7     return result
8 def q(mu,sigma,x):
9     z=(x-mu)/sigma
10    return p(z)
11 mu=45
12 sigma=1
13 x=70
14 m=q(mu,sigma,x)
15 print(f"tabe:{m:.4f}")
```

PROBLEMS 11 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Bashir-Rayaneh> & C:\Users\Bashir-Rayaneh\AppData\Local\Programs\Python\Python313\python.exe c:/Users/Bashir-Rayaneh/Desktop/aa_aa/aa_aa.py
tabe:703227.2813
PS C:\Users\Bashir-Rayaneh>

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Ln 12, Col 8 Spaces: 4 UTF-8 CRLF {} Python 3.13.0 64-bit 7:18 AM 11/29/2024

FileEditSelectionViewGoRunTerminalHelp

aa_aa.py 4

C: > Users > Bashir-Rayaneh > Desktop > aa_aa > aa_aa.py > ...

```
1 import math
2 def p(x,terms=5):
3     result=0.5
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8 def q(mu,sigma,x):
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10    return p(z)
11 mu=45
12 sigma=2
13 x=70
14 m=q(mu,sigma,x)
15 print(f"tabe:{m:.4f}")
```

PROBLEMS 11 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Bashir-Rayaneh> & C:\Users\Bashir-Rayaneh\AppData\Local\Programs\Python\Python313\python.exe c:/Users/Bashir-Rayaneh/Desktop/aa_aa/aa_aa.py
tabe:2.6787
PS C:\Users\Bashir-Rayaneh> & C:\Users\Bashir-Rayaneh\AppData\Local\Programs\Python\Python313\python.exe c:/Users/Bashir-Rayaneh/Desktop/aa_aa/aa_aa.py
tabe:367.3537
PS C:\Users\Bashir-Rayaneh>

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Ln 12, Col 8 Spaces: 4 UTF-8 CRLF {} Python 3.13.0 64-bit 7:17 AM 11/29/2024

