```
zt42d[l_] := Product[(49 + 4 Im[ZetaZero[r]]^2)/(1 + 4 Im[ZetaZero[r]]^2), {r, 1, l}]

N[2 π^2/15]
N[zt42d[400]]
```

1.31595

1.29512

```
ztmmde[l_] := Product[(9 + 4 Im[ZetaZero[r]]^2)^(3/2)/(1 + 4 Im[ZetaZero[r]]^2)^(3/2), {r, 1, l}]

N[Pi^(3 / 2) / (3^(3 / 2))]
N[ztmmde[240]]
```

1.07163

1.06572

```
ztmmd[l_] := Product[(9 + 4 Im[ZetaZero[r]]^2)^2/(1 + 4 Im[ZetaZero[r]]^2)^2, {r, 1, l}]

N[π^2/9]
N[ztmmd[500]]
```

1.09662

1.0916

```
ztmm[l_] := Product[(9 + 4 Im[ZetaZero[r]]^2)/(1 + 4 Im[ZetaZero[r]]^2), {r, 1, l}]

N[π/3]
N[ztmm[300]]
```

1.0472

1.04385

```
N[4 π^3 / 63]

zt36b[l_] := Product[(121 + 4 Im[ZetaZero[r]]^2) / (1 + 4 Im[ZetaZero[r]]^2), {r, 1, l}]

N[zt36b[600]]
```

1.96865

1.90945

```
N[8 π^4 / 225]

zt38b[l_] := Product[(225 + 4 Im[ZetaZero[r]]^2) / (1 + 4 Im[ZetaZero[r]]^2), {r, 1, l}]

N[zt38b[900]]
```

3.46343

3.3166

```
zt42d[l_] := Product[((1 + 4 Im[ZetaZero[r]]^2) (121 + 4 Im[ZetaZero[r]]^2)) / (9 + 4 Im[ZetaZero[r]]^2)^2, {r, 1, l}]

N[4 π / 7]

N[zt42d[1500]]
```

1.7952

1.77005

```
ztmm[l_] := Product[(9 + 4 Im[ZetaZero[r]]^2)/(1 + 4 Im[ZetaZero[r]]^2), {r, 1, l}]
N[π/3]
N[ztmm[1500]]
```

```
1.0472
1.04606
```

```
zt42d[l_] := Product[(49 + 4 Im[ZetaZero[r]]^2)/(9 + 4 Im[ZetaZero[r]]^2), {r, 1, l}]
N[2 π/5]
N[zt42d[1500]]
```

```
1.25664
1.24984
```

```
zt42d[l_] := Product[(121 + 4 Im[ZetaZero[r]]^2)/(49 + 4 Im[ZetaZero[r]]^2), {r, 1, l}]
N[10 π/21]
N[zt42d[1700]]
```

```
1.496
1.48268
```

```
zt42d[l_] := Product[(225 + 4 Im[ZetaZero[r]]^2)/(121 + 4 Im[ZetaZero[r]]^2), {r, 1, l}]
N[14 π/25]
N[zt42d[1200]]
```

```
1.75929
1.73052
```

```
zt42d[l_] := Product[(361 + 4 Im[ZetaZero[r]]^2)/(225 + 4 Im[ZetaZero[r]]^2), {r, 1, l}]
N[50 π/77]
N[zt42d[1200]]
```

2.04

1.99648

```
zt42d[l_] := Product[(529 + 4 Im[ZetaZero[r]]^2)/(361 + 4 Im[ZetaZero[r]]^2), {r, 1, l}]
N[15 202 π/20 475]
N[zt42d[1200]]
```

2.33253

2.27122

```
zt42d[l_] := Product[((49 + 4 Im[ZetaZero[r]]^2) (121 + 4 Im[ZetaZero[r]]^2))/((9 + 4 Im[ZetaZero[r]]^2) (225 + 4 Im[ZetaZero[r]]^2)), {r, 1, l}]
N[5/7]
N[zt42d[1500]]
```

0.714286

0.720512

```
zt42d[l_] := Product[(9 + 4 Im[ZetaZero[r]]^2)^2 / ((1 + 4 Im[ZetaZero[r]]^2) (49 + 4 Im[ZetaZero[r]]^2)), {r, 1, l}]
N[5/6]
N[zt42d[1500]]
```

```
0.833333
0.836958
```

```
zt42d[l_] := Product[(49 + 4 Im[ZetaZero[r]]^2)^2 / ((9 + 4 Im[ZetaZero[r]]^2) (121 + 4 Im[ZetaZero[r]]^2)), {r, 1, l}]
N[21/25]
N[zt42d[1200]]
```

```
0.84
0.844273
```

```
zt42d[l_] := Product[(5 + 4 Im[ZetaZero[r]]^2) / (1 + 4 Im[ZetaZero[r]]^2), {r, 1, l}]
N[zt42d[4200]]
```

```
1.02308
```

```
zt42d[l_] := Product[(81 + 4 Im[ZetaZero[r]]^2) / (25 + 4 Im[ZetaZero[r]]^2), {r, 1, l}]
N[zt42d[12 200]]
```

```
1.37069
1.3607787363698598`
1.3679633396336282`
1.3706922112180784`
```