

## QUESTION 1

```
commandwindow

clear

clc

syms y(t)
philip = diff(y,t,2) + 5*diff(y,t) + 6*y == cos(t)
dphil = diff(y,t)
philcondition = [y(0)==5, dphil(0)==3]
phil = dsolve(philip, philcondition)
pretty (phil)
pn = [0:0.1:50]
philn = subs(phil, pn)
figure (1)
plot(pn, philn)
axis tight
grid minor
xlabel ("pn")
ylabel ("philn")
```

philip(t) =

$6y(t) + 5\frac{dy(t)}{dt} + \frac{d^2y(t)}{dt^2} = \cos(t)$

dphil(t) =

$\frac{dy(t)}{dt}$

philcondition =

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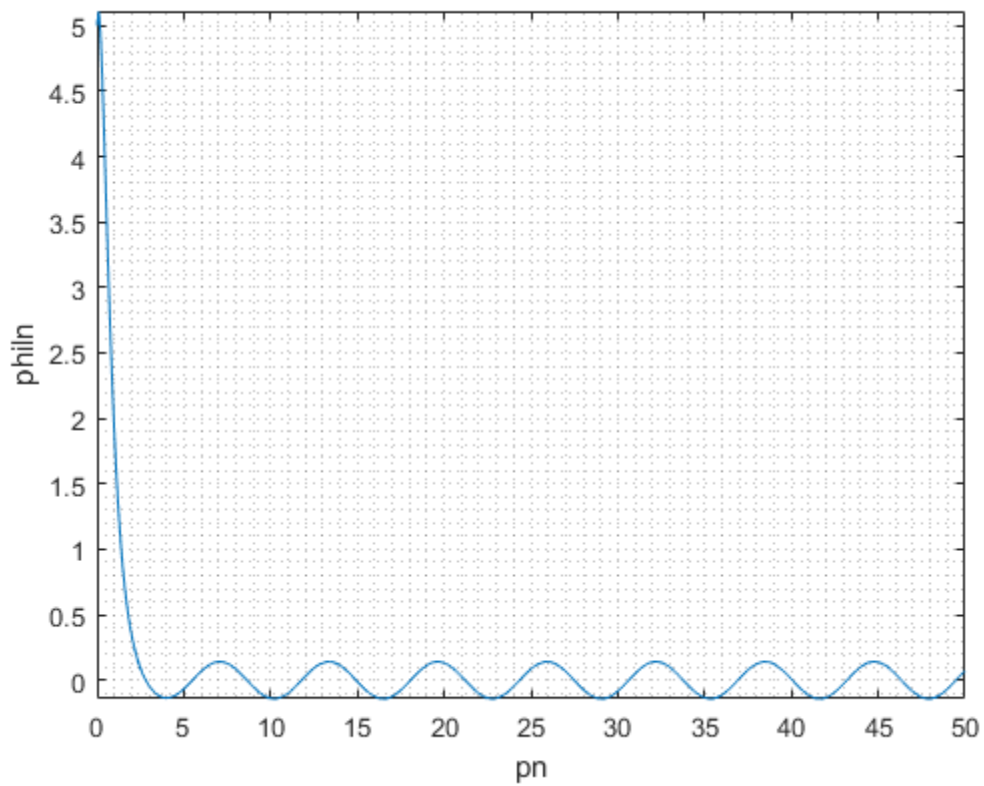
```
[ y(0) == 5, subs(diff(y(t), t), t, 0) == 3]
```

```
phil =
```

```
(88*exp(-2*t))/5 - (127*exp(-3*t))/10 + (2^(1/2)*cos(t - pi/4))/10
```

$$\frac{\exp(-2t) 88}{5} - \frac{\exp(-3t) 127}{10} + \frac{\sqrt{2} \cos\left(t - \frac{\pi}{4}\right)}{10}$$

QUESTION 1



$p_n =$

Columns 1 through 7

0      0.1000      0.2000      0.3000      0.4000      0.5000      0.6000

Columns 8 through 14

0.7000      0.8000      0.9000      1.0000      1.1000      1.2000      1.3000

Columns 15 through 21

## QUESTION 1

1.4000      1.5000      1.6000      1.7000      1.8000      1.9000      2.0000

Columns 22 through 28

2.1000      2.2000      2.3000      2.4000      2.5000      2.6000      2.7000

Columns 29 through 35

2.8000      2.9000      3.0000      3.1000      3.2000      3.3000      3.4000

Columns 36 through 42

3.5000      3.6000      3.7000      3.8000      3.9000      4.0000      4.1000

Columns 43 through 49

4.2000      4.3000      4.4000      4.5000      4.6000      4.7000      4.8000

Columns 50 through 56

4.9000      5.0000      5.1000      5.2000      5.3000      5.4000      5.5000

Columns 57 through 63

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5.6000      5.7000      5.8000      5.9000      6.0000      6.1000      6.2000

Columns 64 through 70

6.3000      6.4000      6.5000      6.6000      6.7000      6.8000      6.9000

Columns 71 through 77

7.0000      7.1000      7.2000      7.3000      7.4000      7.5000      7.6000

Columns 78 through 84

7.7000      7.8000      7.9000      8.0000      8.1000      8.2000      8.3000

Columns 85 through 91

8.4000      8.5000      8.6000      8.7000      8.8000      8.9000      9.0000

Columns 92 through 98

9.1000      9.2000      9.3000      9.4000      9.5000      9.6000      9.7000

Columns 99 through 105

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9.8000 9.9000 10.0000 10.1000 10.2000 10.3000 10.4000

Columns 106 through 112

10.5000 10.6000 10.7000 10.8000 10.9000 11.0000 11.1000

Columns 113 through 119

11.2000 11.3000 11.4000 11.5000 11.6000 11.7000 11.8000

Columns 120 through 126

11.9000 12.0000 12.1000 12.2000 12.3000 12.4000 12.5000

Columns 127 through 133

12.6000 12.7000 12.8000 12.9000 13.0000 13.1000 13.2000

Columns 134 through 140

13.3000 13.4000 13.5000 13.6000 13.7000 13.8000 13.9000

Columns 141 through 147

## QUESTION 1

14.0000    14.1000    14.2000    14.3000    14.4000    14.5000    14.6000

Columns 148 through 154

14.7000    14.8000    14.9000    15.0000    15.1000    15.2000    15.3000

Columns 155 through 161

15.4000    15.5000    15.6000    15.7000    15.8000    15.9000    16.0000

Columns 162 through 168

16.1000    16.2000    16.3000    16.4000    16.5000    16.6000    16.7000

Columns 169 through 175

16.8000    16.9000    17.0000    17.1000    17.2000    17.3000    17.4000

Columns 176 through 182

17.5000    17.6000    17.7000    17.8000    17.9000    18.0000    18.1000

Columns 183 through 189

## QUESTION 1

18.2000    18.3000    18.4000    18.5000    18.6000    18.7000    18.8000

Columns 190 through 196

18.9000    19.0000    19.1000    19.2000    19.3000    19.4000    19.5000

Columns 197 through 203

19.6000    19.7000    19.8000    19.9000    20.0000    20.1000    20.2000

Columns 204 through 210

20.3000    20.4000    20.5000    20.6000    20.7000    20.8000    20.9000

Columns 211 through 217

21.0000    21.1000    21.2000    21.3000    21.4000    21.5000    21.6000

Columns 218 through 224

21.7000    21.8000    21.9000    22.0000    22.1000    22.2000    22.3000

Columns 225 through 231



## QUESTION 1

22.4000    22.5000    22.6000    22.7000    22.8000    22.9000    23.0000

Columns 232 through 238

23.1000    23.2000    23.3000    23.4000    23.5000    23.6000    23.7000

Columns 239 through 245

23.8000    23.9000    24.0000    24.1000    24.2000    24.3000    24.4000

Columns 246 through 252

24.5000    24.6000    24.7000    24.8000    24.9000    25.0000    25.1000

Columns 253 through 259

25.2000    25.3000    25.4000    25.5000    25.6000    25.7000    25.8000

Columns 260 through 266

25.9000    26.0000    26.1000    26.2000    26.3000    26.4000    26.5000

Columns 267 through 273

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26.6000    26.7000    26.8000    26.9000    27.0000    27.1000    27.2000

Columns 274 through 280

27.3000    27.4000    27.5000    27.6000    27.7000    27.8000    27.9000

Columns 281 through 287

28.0000    28.1000    28.2000    28.3000    28.4000    28.5000    28.6000

Columns 288 through 294

28.7000    28.8000    28.9000    29.0000    29.1000    29.2000    29.3000

Columns 295 through 301

29.4000    29.5000    29.6000    29.7000    29.8000    29.9000    30.0000

Columns 302 through 308

30.1000    30.2000    30.3000    30.4000    30.5000    30.6000    30.7000

Columns 309 through 315

## QUESTION 1

30.8000    30.9000    31.0000    31.1000    31.2000    31.3000    31.4000

Columns 316 through 322

31.5000    31.6000    31.7000    31.8000    31.9000    32.0000    32.1000

Columns 323 through 329

32.2000    32.3000    32.4000    32.5000    32.6000    32.7000    32.8000

Columns 330 through 336

32.9000    33.0000    33.1000    33.2000    33.3000    33.4000    33.5000

Columns 337 through 343

33.6000    33.7000    33.8000    33.9000    34.0000    34.1000    34.2000

Columns 344 through 350

34.3000    34.4000    34.5000    34.6000    34.7000    34.8000    34.9000

Columns 351 through 357

## QUESTION 1

35.0000    35.1000    35.2000    35.3000    35.4000    35.5000    35.6000

Columns 358 through 364

35.7000    35.8000    35.9000    36.0000    36.1000    36.2000    36.3000

Columns 365 through 371

36.4000    36.5000    36.6000    36.7000    36.8000    36.9000    37.0000

Columns 372 through 378

37.1000    37.2000    37.3000    37.4000    37.5000    37.6000    37.7000

Columns 379 through 385

37.8000    37.9000    38.0000    38.1000    38.2000    38.3000    38.4000

Columns 386 through 392

38.5000    38.6000    38.7000    38.8000    38.9000    39.0000    39.1000

Columns 393 through 399

## QUESTION 1

39.2000    39.3000    39.4000    39.5000    39.6000    39.7000    39.8000

Columns 400 through 406

39.9000    40.0000    40.1000    40.2000    40.3000    40.4000    40.5000

Columns 407 through 413

40.6000    40.7000    40.8000    40.9000    41.0000    41.1000    41.2000

Columns 414 through 420

41.3000    41.4000    41.5000    41.6000    41.7000    41.8000    41.9000

Columns 421 through 427

42.0000    42.1000    42.2000    42.3000    42.4000    42.5000    42.6000

Columns 428 through 434

42.7000    42.8000    42.9000    43.0000    43.1000    43.2000    43.3000

Columns 435 through 441

## QUESTION 1

43.4000    43.5000    43.6000    43.7000    43.8000    43.9000    44.0000

Columns 442 through 448

44.1000    44.2000    44.3000    44.4000    44.5000    44.6000    44.7000

Columns 449 through 455

44.8000    44.9000    45.0000    45.1000    45.2000    45.3000    45.4000

Columns 456 through 462

45.5000    45.6000    45.7000    45.8000    45.9000    46.0000    46.1000

Columns 463 through 469

46.2000    46.3000    46.4000    46.5000    46.6000    46.7000    46.8000

Columns 470 through 476

46.9000    47.0000    47.1000    47.2000    47.3000    47.4000    47.5000

Columns 477 through 483

## QUESTION 1

47.6000 47.7000 47.8000 47.9000 48.0000 48.1000 48.2000

Columns 484 through 490

48.3000 48.4000 48.5000 48.6000 48.7000 48.8000 48.9000

Columns 491 through 497

49.0000 49.1000 49.2000 49.3000 49.4000 49.5000 49.6000

Columns 498 through 501

49.7000 49.8000 49.9000 50.0000

philn =

```
[ 5, (88*exp(-1/5))/5 - (127*exp(-3/10))/10 + (2^(1/2)*cos(pi/4 - 1/10))/10, (88*exp(-2/5))/5 - (127*exp(-3/5))/10 + (2^(1/2)*cos(pi/4 - 1/5))/10, (88*exp(-3/5))/5 - (127*exp(-9/10))/10 + (2^(1/2)*cos(pi/4 - 3/10))/10, (88*exp(-4/5))/5 - (127*exp(-6/5))/10 + (2^(1/2)*cos(pi/4 - 2/5))/10, (88*exp(-1))/5 - (127*exp(-3/2))/10 + (2^(1/2)*cos(pi/4 - 1/2))/10, (88*exp(-6/5))/5 - (127*exp(-9/5))/10 + (2^(1/2)*cos(pi/4 - 3/5))/10, (88*exp(-7/5))/5 - (127*exp(-21/10))/10 + (2^(1/2)*cos(pi/4 - 7/10))/10, (88*exp(-8/5))/5 - (127*exp(-12/5))/10 + (2^(1/2)*cos(pi/4 - 4/5))/10, (88*exp(-9/5))/5 - (127*exp(-27/10))/10 + (2^(1/2)*cos(pi/4 - 9/10))/10, (88*exp(-2))/5 - (127*exp(-3))/10 + (2^(1/2)*cos(pi/4 - 1))/10, (88*exp(-11/5))/5 - (127*exp(-33/10))/10 + (2^(1/2)*cos(pi/4 - 11/10))/10, (88*exp(-12/5))/5 - (127*exp(-18/5))/10 + (2^(1/2)*cos(pi/4 - 6/5))/10, (88*exp(-13/5))/5 - (127*exp(-39/10))/10 + (2^(1/2)*cos(pi/4 - 13/10))/10, (88*exp(-14/5))/5 - (127*exp(-21/5))/10 + (2^(1/2)*cos(pi/4 - 7/5))/10, (88*exp(-3))/5 - (127*exp(-9/2))/10 + (2^(1/2)*cos(pi/4 - 3/2))/10, (88*exp(-16/5))/5 - (127*exp(-24/5))/10 +
```

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$(2^{(1/2)} \cos(\pi/4 - 8/5))/10, (88 \exp(-17/5))/5 - (127 \exp(-51/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 17/10))/10, (88 \exp(-18/5))/5 - (127 \exp(-27/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 9/5))/10, (88 \exp(-19/5))/5 - (127 \exp(-57/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 19/10))/10, (88 \exp(-4))/5 - (127 \exp(-6))/10 + (2^{(1/2)} \cos(\pi/4$   
 $- 2))/10, (88 \exp(-21/5))/5 - (127 \exp(-63/10))/10 + (2^{(1/2)} \cos(\pi/4 - 21/10))/10,$   
 $(88 \exp(-22/5))/5 - (127 \exp(-33/5))/10 + (2^{(1/2)} \cos(\pi/4 - 11/5))/10, (88 \exp(-$   
 $23/5))/5 - (127 \exp(-69/10))/10 + (2^{(1/2)} \cos(\pi/4 - 23/10))/10, (88 \exp(-24/5))/5 -$   
 $(127 \exp(-36/5))/10 + (2^{(1/2)} \cos(\pi/4 - 12/5))/10, (88 \exp(-5))/5 - (127 \exp(-$   
 $15/2))/10 + (2^{(1/2)} \cos(\pi/4 - 5/2))/10, (88 \exp(-26/5))/5 - (127 \exp(-39/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 13/5))/10, (88 \exp(-27/5))/5 - (127 \exp(-81/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 27/10))/10, (88 \exp(-28/5))/5 - (127 \exp(-42/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 14/5))/10, (88 \exp(-29/5))/5 - (127 \exp(-87/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 29/10))/10, (88 \exp(-6))/5 - (127 \exp(-9))/10 + (2^{(1/2)} \cos(\pi/4$   
 $- 3))/10, (88 \exp(-31/5))/5 - (127 \exp(-93/10))/10 + (2^{(1/2)} \cos(\pi/4 - 31/10))/10,$   
 $(88 \exp(-32/5))/5 - (127 \exp(-48/5))/10 + (2^{(1/2)} \cos(\pi/4 - 16/5))/10, (88 \exp(-$   
 $33/5))/5 - (127 \exp(-99/10))/10 + (2^{(1/2)} \cos(\pi/4 - 33/10))/10, (88 \exp(-34/5))/5 -$   
 $(127 \exp(-51/5))/10 + (2^{(1/2)} \cos(\pi/4 - 17/5))/10, (88 \exp(-7))/5 - (127 \exp(-$   
 $21/2))/10 + (2^{(1/2)} \cos(\pi/4 - 7/2))/10, (88 \exp(-36/5))/5 - (127 \exp(-54/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 18/5))/10, (88 \exp(-37/5))/5 - (127 \exp(-111/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 37/10))/10, (88 \exp(-38/5))/5 - (127 \exp(-57/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 19/5))/10, (88 \exp(-39/5))/5 - (127 \exp(-117/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 39/10))/10, (88 \exp(-8))/5 - (127 \exp(-12))/10 + (2^{(1/2)} \cos(\pi/4$   
 $- 4))/10, (88 \exp(-41/5))/5 - (127 \exp(-123/10))/10 + (2^{(1/2)} \cos(\pi/4 - 41/10))/10,$   
 $(88 \exp(-42/5))/5 - (127 \exp(-63/5))/10 + (2^{(1/2)} \cos(\pi/4 - 21/5))/10, (88 \exp(-$   
 $43/5))/5 - (127 \exp(-129/10))/10 + (2^{(1/2)} \cos(\pi/4 - 43/10))/10, (88 \exp(-44/5))/5 -$   
 $(127 \exp(-66/5))/10 + (2^{(1/2)} \cos(\pi/4 - 22/5))/10, (88 \exp(-9))/5 - (127 \exp(-$   
 $27/2))/10 + (2^{(1/2)} \cos(\pi/4 - 9/2))/10, (88 \exp(-46/5))/5 - (127 \exp(-69/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 23/5))/10, (88 \exp(-47/5))/5 - (127 \exp(-141/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 47/10))/10, (88 \exp(-48/5))/5 - (127 \exp(-72/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 24/5))/10, (88 \exp(-49/5))/5 - (127 \exp(-147/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 49/10))/10, (88 \exp(-10))/5 - (127 \exp(-15))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 5))/10, (88 \exp(-51/5))/5 - (127 \exp(-153/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 51/10))/10, (88 \exp(-52/5))/5 - (127 \exp(-78/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 26/5))/10, (88 \exp(-53/5))/5 - (127 \exp(-159/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 53/10))/10, (88 \exp(-54/5))/5 - (127 \exp(-81/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 27/5))/10, (88 \exp(-11))/5 - (127 \exp(-33/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 11/2))/10, (88 \exp(-56/5))/5 - (127 \exp(-84/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 28/5))/10, (88 \exp(-57/5))/5 - (127 \exp(-171/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 57/10))/10, (88 \exp(-58/5))/5 - (127 \exp(-87/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 29/5))/10, (88 \exp(-59/5))/5 - (127 \exp(-177/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 59/10))/10, (88 \exp(-12))/5 - (127 \exp(-18))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 6))/10, (88 \exp(-61/5))/5 - (127 \exp(-183/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 61/10))/10, (88 \exp(-62/5))/5 - (127 \exp(-93/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 31/5))/10, (88 \exp(-63/5))/5 - (127 \exp(-189/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 63/10))/10, (88 \exp(-64/5))/5 - (127 \exp(-96/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 32/5))/10, (88 \exp(-13))/5 - (127 \exp(-39/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 13/2))/10, (88 \exp(-66/5))/5 - (127 \exp(-99/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 33/5))/10, (88 \exp(-67/5))/5 - (127 \exp(-201/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 67/10))/10, (88 \exp(-68/5))/5 - (127 \exp(-102/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 34/5))/10, (88 \exp(-69/5))/5 - (127 \exp(-207/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 69/10))/10, (88 \exp(-14))/5 - (127 \exp(-21))/10 +$



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$(2^{(1/2)} \cos(\pi/4 - 7))/10, (88 \exp(-71/5))/5 - (127 \exp(-213/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 71/10))/10, (88 \exp(-72/5))/5 - (127 \exp(-108/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 36/5))/10, (88 \exp(-73/5))/5 - (127 \exp(-219/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 73/10))/10, (88 \exp(-74/5))/5 - (127 \exp(-111/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 37/5))/10, (88 \exp(-15))/5 - (127 \exp(-45/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 15/2))/10, (88 \exp(-76/5))/5 - (127 \exp(-114/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 38/5))/10, (88 \exp(-77/5))/5 - (127 \exp(-231/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 77/10))/10, (88 \exp(-78/5))/5 - (127 \exp(-117/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 39/5))/10, (88 \exp(-79/5))/5 - (127 \exp(-237/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 79/10))/10, (88 \exp(-16))/5 - (127 \exp(-24))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 8))/10, (88 \exp(-81/5))/5 - (127 \exp(-243/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 81/10))/10, (88 \exp(-82/5))/5 - (127 \exp(-123/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 41/5))/10, (88 \exp(-83/5))/5 - (127 \exp(-249/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 83/10))/10, (88 \exp(-84/5))/5 - (127 \exp(-126/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 42/5))/10, (88 \exp(-17))/5 - (127 \exp(-51/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 17/2))/10, (88 \exp(-86/5))/5 - (127 \exp(-129/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 43/5))/10, (88 \exp(-87/5))/5 - (127 \exp(-261/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 87/10))/10, (88 \exp(-88/5))/5 - (127 \exp(-132/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 44/5))/10, (88 \exp(-89/5))/5 - (127 \exp(-267/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 89/10))/10, (88 \exp(-18))/5 - (127 \exp(-27))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 9))/10, (88 \exp(-91/5))/5 - (127 \exp(-273/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 91/10))/10, (88 \exp(-92/5))/5 - (127 \exp(-138/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 46/5))/10, (88 \exp(-93/5))/5 - (127 \exp(-279/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 93/10))/10, (88 \exp(-94/5))/5 - (127 \exp(-141/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 47/5))/10, (88 \exp(-19))/5 - (127 \exp(-57/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 19/2))/10, (88 \exp(-96/5))/5 - (127 \exp(-144/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 48/5))/10, (88 \exp(-97/5))/5 - (127 \exp(-291/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 97/10))/10, (88 \exp(-98/5))/5 - (127 \exp(-147/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 49/5))/10, (88 \exp(-99/5))/5 - (127 \exp(-297/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 99/10))/10, (88 \exp(-20))/5 - (127 \exp(-30))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 10))/10, (88 \exp(-101/5))/5 - (127 \exp(-303/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 101/10))/10, (88 \exp(-102/5))/5 - (127 \exp(-153/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 51/5))/10, (88 \exp(-103/5))/5 - (127 \exp(-309/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 103/10))/10, (88 \exp(-104/5))/5 - (127 \exp(-156/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 52/5))/10, (88 \exp(-21))/5 - (127 \exp(-63/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 21/2))/10, (88 \exp(-106/5))/5 - (127 \exp(-159/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 53/5))/10, (88 \exp(-107/5))/5 - (127 \exp(-321/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 107/10))/10, (88 \exp(-108/5))/5 - (127 \exp(-162/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 54/5))/10, (88 \exp(-109/5))/5 - (127 \exp(-327/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 109/10))/10, (88 \exp(-22))/5 - (127 \exp(-33))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 11))/10, (88 \exp(-111/5))/5 - (127 \exp(-333/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 111/10))/10, (88 \exp(-112/5))/5 - (127 \exp(-168/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 56/5))/10, (88 \exp(-113/5))/5 - (127 \exp(-339/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 113/10))/10, (88 \exp(-114/5))/5 - (127 \exp(-171/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 57/5))/10, (88 \exp(-23))/5 - (127 \exp(-69/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 23/2))/10, (88 \exp(-116/5))/5 - (127 \exp(-174/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 58/5))/10, (88 \exp(-117/5))/5 - (127 \exp(-351/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 117/10))/10, (88 \exp(-118/5))/5 - (127 \exp(-177/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 59/5))/10, (88 \exp(-119/5))/5 - (127 \exp(-357/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 119/10))/10, (88 \exp(-24))/5 - (127 \exp(-36))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 12))/10, (88 \exp(-121/5))/5 - (127 \exp(-363/10))/10 +$

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$(2^{(1/2)} \cos(\pi/4 - 121/10))/10, (88 \exp(-122/5))/5 - (127 \exp(-183/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 61/5))/10, (88 \exp(-123/5))/5 - (127 \exp(-369/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 123/10))/10, (88 \exp(-124/5))/5 - (127 \exp(-186/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 62/5))/10, (88 \exp(-25))/5 - (127 \exp(-75/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 25/2))/10, (88 \exp(-126/5))/5 - (127 \exp(-189/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 63/5))/10, (88 \exp(-127/5))/5 - (127 \exp(-381/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 127/10))/10, (88 \exp(-128/5))/5 - (127 \exp(-192/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 64/5))/10, (88 \exp(-129/5))/5 - (127 \exp(-387/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 129/10))/10, (88 \exp(-26))/5 - (127 \exp(-39))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 13))/10, (88 \exp(-131/5))/5 - (127 \exp(-393/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 131/10))/10, (88 \exp(-132/5))/5 - (127 \exp(-198/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 66/5))/10, (88 \exp(-133/5))/5 - (127 \exp(-399/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 133/10))/10, (88 \exp(-134/5))/5 - (127 \exp(-201/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 67/5))/10, (88 \exp(-27))/5 - (127 \exp(-81/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 27/2))/10, (88 \exp(-136/5))/5 - (127 \exp(-204/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 68/5))/10, (88 \exp(-137/5))/5 - (127 \exp(-411/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 137/10))/10, (88 \exp(-138/5))/5 - (127 \exp(-207/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 69/5))/10, (88 \exp(-139/5))/5 - (127 \exp(-417/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 139/10))/10, (88 \exp(-28))/5 - (127 \exp(-42))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 14))/10, (88 \exp(-141/5))/5 - (127 \exp(-423/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 141/10))/10, (88 \exp(-142/5))/5 - (127 \exp(-213/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 71/5))/10, (88 \exp(-143/5))/5 - (127 \exp(-429/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 143/10))/10, (88 \exp(-144/5))/5 - (127 \exp(-216/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 72/5))/10, (88 \exp(-29))/5 - (127 \exp(-87/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 29/2))/10, (88 \exp(-146/5))/5 - (127 \exp(-219/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 73/5))/10, (88 \exp(-147/5))/5 - (127 \exp(-441/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 147/10))/10, (88 \exp(-148/5))/5 - (127 \exp(-222/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 74/5))/10, (88 \exp(-149/5))/5 - (127 \exp(-447/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 149/10))/10, (88 \exp(-30))/5 - (127 \exp(-45))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 15))/10, (88 \exp(-151/5))/5 - (127 \exp(-453/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 151/10))/10, (88 \exp(-152/5))/5 - (127 \exp(-228/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 76/5))/10, (88 \exp(-153/5))/5 - (127 \exp(-459/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 153/10))/10, (88 \exp(-154/5))/5 - (127 \exp(-231/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 77/5))/10, (88 \exp(-31))/5 - (127 \exp(-93/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 31/2))/10, (88 \exp(-156/5))/5 - (127 \exp(-234/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 78/5))/10, (88 \exp(-157/5))/5 - (127 \exp(-471/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 157/10))/10, (88 \exp(-158/5))/5 - (127 \exp(-237/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 79/5))/10, (88 \exp(-159/5))/5 - (127 \exp(-477/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 159/10))/10, (88 \exp(-32))/5 - (127 \exp(-48))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 16))/10, (88 \exp(-161/5))/5 - (127 \exp(-483/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 161/10))/10, (88 \exp(-162/5))/5 - (127 \exp(-243/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 81/5))/10, (88 \exp(-163/5))/5 - (127 \exp(-489/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 163/10))/10, (88 \exp(-164/5))/5 - (127 \exp(-246/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 82/5))/10, (88 \exp(-33))/5 - (127 \exp(-99/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 33/2))/10, (88 \exp(-166/5))/5 - (127 \exp(-249/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 83/5))/10, (88 \exp(-167/5))/5 - (127 \exp(-501/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 167/10))/10, (88 \exp(-168/5))/5 - (127 \exp(-252/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 84/5))/10, (88 \exp(-169/5))/5 - (127 \exp(-507/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 169/10))/10, (88 \exp(-34))/5 - (127 \exp(-51))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 17))/10, (88 \exp(-171/5))/5 - (127 \exp(-513/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 171/10))/10, (88 \exp(-172/5))/5 - (127 \exp(-258/5))/10 +$

## QUESTION 1

$$\begin{aligned} & (2^{1/2} \cos(\pi/4 - 86/5))/10, (88 \exp(-173/5))/5 - (127 \exp(-519/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 173/10))/10, (88 \exp(-174/5))/5 - (127 \exp(-261/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 87/5))/10, (88 \exp(-35))/5 - (127 \exp(-105/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 35/2))/10, (88 \exp(-176/5))/5 - (127 \exp(-264/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 88/5))/10, (88 \exp(-177/5))/5 - (127 \exp(-531/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 177/10))/10, (88 \exp(-178/5))/5 - (127 \exp(-267/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 89/5))/10, (88 \exp(-179/5))/5 - (127 \exp(-537/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 179/10))/10, (88 \exp(-36))/5 - (127 \exp(-54))/10 + \\ & (2^{1/2} \cos(\pi/4 - 18))/10, (88 \exp(-181/5))/5 - (127 \exp(-543/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 181/10))/10, (88 \exp(-182/5))/5 - (127 \exp(-273/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 91/5))/10, (88 \exp(-183/5))/5 - (127 \exp(-549/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 183/10))/10, (88 \exp(-184/5))/5 - (127 \exp(-276/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 92/5))/10, (88 \exp(-37))/5 - (127 \exp(-111/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 37/2))/10, (88 \exp(-186/5))/5 - (127 \exp(-279/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 93/5))/10, (88 \exp(-187/5))/5 - (127 \exp(-561/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 187/10))/10, (88 \exp(-188/5))/5 - (127 \exp(-282/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 94/5))/10, (88 \exp(-189/5))/5 - (127 \exp(-567/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 189/10))/10, (88 \exp(-38))/5 - (127 \exp(-57))/10 + \\ & (2^{1/2} \cos(\pi/4 - 19))/10, (88 \exp(-191/5))/5 - (127 \exp(-573/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 191/10))/10, (88 \exp(-192/5))/5 - (127 \exp(-288/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 96/5))/10, (88 \exp(-193/5))/5 - (127 \exp(-579/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 193/10))/10, (88 \exp(-194/5))/5 - (127 \exp(-291/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 97/5))/10, (88 \exp(-39))/5 - (127 \exp(-117/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 39/2))/10, (88 \exp(-196/5))/5 - (127 \exp(-294/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 98/5))/10, (88 \exp(-197/5))/5 - (127 \exp(-591/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 197/10))/10, (88 \exp(-198/5))/5 - (127 \exp(-297/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 99/5))/10, (88 \exp(-199/5))/5 - (127 \exp(-597/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 199/10))/10, (88 \exp(-40))/5 - (127 \exp(-60))/10 + \\ & (2^{1/2} \cos(\pi/4 - 20))/10, (88 \exp(-201/5))/5 - (127 \exp(-603/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 201/10))/10, (88 \exp(-202/5))/5 - (127 \exp(-303/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 101/5))/10, (88 \exp(-203/5))/5 - (127 \exp(-609/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 203/10))/10, (88 \exp(-204/5))/5 - (127 \exp(-306/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 102/5))/10, (88 \exp(-41))/5 - (127 \exp(-123/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 41/2))/10, (88 \exp(-206/5))/5 - (127 \exp(-309/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 103/5))/10, (88 \exp(-207/5))/5 - (127 \exp(-621/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 207/10))/10, (88 \exp(-208/5))/5 - (127 \exp(-312/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 104/5))/10, (88 \exp(-209/5))/5 - (127 \exp(-627/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 209/10))/10, (88 \exp(-42))/5 - (127 \exp(-63))/10 + \\ & (2^{1/2} \cos(\pi/4 - 21))/10, (88 \exp(-211/5))/5 - (127 \exp(-633/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 211/10))/10, (88 \exp(-212/5))/5 - (127 \exp(-318/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 106/5))/10, (88 \exp(-213/5))/5 - (127 \exp(-639/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 213/10))/10, (88 \exp(-214/5))/5 - (127 \exp(-321/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 107/5))/10, (88 \exp(-43))/5 - (127 \exp(-129/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 43/2))/10, (88 \exp(-216/5))/5 - (127 \exp(-324/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 108/5))/10, (88 \exp(-217/5))/5 - (127 \exp(-651/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 217/10))/10, (88 \exp(-218/5))/5 - (127 \exp(-327/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 109/5))/10, (88 \exp(-219/5))/5 - (127 \exp(-657/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 219/10))/10, (88 \exp(-44))/5 - (127 \exp(-66))/10 + \\ & (2^{1/2} \cos(\pi/4 - 22))/10, (88 \exp(-221/5))/5 - (127 \exp(-663/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 221/10))/10, (88 \exp(-222/5))/5 - (127 \exp(-333/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 111/5))/10, (88 \exp(-223/5))/5 - (127 \exp(-669/10))/10 + \end{aligned}$$

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$$\begin{aligned} & (2^{1/2} \cos(\pi/4 - 223/10))/10, (88 \exp(-224/5))/5 - (127 \exp(-336/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 112/5))/10, (88 \exp(-45))/5 - (127 \exp(-135/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 45/2))/10, (88 \exp(-226/5))/5 - (127 \exp(-339/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 113/5))/10, (88 \exp(-227/5))/5 - (127 \exp(-681/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 227/10))/10, (88 \exp(-228/5))/5 - (127 \exp(-342/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 114/5))/10, (88 \exp(-229/5))/5 - (127 \exp(-687/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 229/10))/10, (88 \exp(-46))/5 - (127 \exp(-69))/10 + \\ & (2^{1/2} \cos(\pi/4 - 23))/10, (88 \exp(-231/5))/5 - (127 \exp(-693/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 231/10))/10, (88 \exp(-232/5))/5 - (127 \exp(-348/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 116/5))/10, (88 \exp(-233/5))/5 - (127 \exp(-699/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 233/10))/10, (88 \exp(-234/5))/5 - (127 \exp(-351/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 117/5))/10, (88 \exp(-47))/5 - (127 \exp(-141/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 47/2))/10, (88 \exp(-236/5))/5 - (127 \exp(-354/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 118/5))/10, (88 \exp(-237/5))/5 - (127 \exp(-711/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 237/10))/10, (88 \exp(-238/5))/5 - (127 \exp(-357/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 119/5))/10, (88 \exp(-239/5))/5 - (127 \exp(-717/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 239/10))/10, (88 \exp(-48))/5 - (127 \exp(-72))/10 + \\ & (2^{1/2} \cos(\pi/4 - 24))/10, (88 \exp(-241/5))/5 - (127 \exp(-723/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 241/10))/10, (88 \exp(-242/5))/5 - (127 \exp(-363/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 121/5))/10, (88 \exp(-243/5))/5 - (127 \exp(-729/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 243/10))/10, (88 \exp(-244/5))/5 - (127 \exp(-366/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 122/5))/10, (88 \exp(-49))/5 - (127 \exp(-147/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 49/2))/10, (88 \exp(-246/5))/5 - (127 \exp(-369/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 123/5))/10, (88 \exp(-247/5))/5 - (127 \exp(-741/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 247/10))/10, (88 \exp(-248/5))/5 - (127 \exp(-372/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 124/5))/10, (88 \exp(-249/5))/5 - (127 \exp(-747/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 249/10))/10, (88 \exp(-50))/5 - (127 \exp(-75))/10 + \\ & (2^{1/2} \cos(\pi/4 - 25))/10, (88 \exp(-251/5))/5 - (127 \exp(-753/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 251/10))/10, (88 \exp(-252/5))/5 - (127 \exp(-378/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 126/5))/10, (88 \exp(-253/5))/5 - (127 \exp(-759/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 253/10))/10, (88 \exp(-254/5))/5 - (127 \exp(-381/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 127/5))/10, (88 \exp(-51))/5 - (127 \exp(-153/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 51/2))/10, (88 \exp(-256/5))/5 - (127 \exp(-384/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 128/5))/10, (88 \exp(-257/5))/5 - (127 \exp(-771/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 257/10))/10, (88 \exp(-258/5))/5 - (127 \exp(-387/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 129/5))/10, (88 \exp(-259/5))/5 - (127 \exp(-777/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 259/10))/10, (88 \exp(-52))/5 - (127 \exp(-78))/10 + \\ & (2^{1/2} \cos(\pi/4 - 26))/10, (88 \exp(-261/5))/5 - (127 \exp(-783/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 261/10))/10, (88 \exp(-262/5))/5 - (127 \exp(-393/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 131/5))/10, (88 \exp(-263/5))/5 - (127 \exp(-789/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 263/10))/10, (88 \exp(-264/5))/5 - (127 \exp(-396/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 132/5))/10, (88 \exp(-53))/5 - (127 \exp(-159/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 53/2))/10, (88 \exp(-266/5))/5 - (127 \exp(-399/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 133/5))/10, (88 \exp(-267/5))/5 - (127 \exp(-801/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 267/10))/10, (88 \exp(-268/5))/5 - (127 \exp(-402/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 134/5))/10, (88 \exp(-269/5))/5 - (127 \exp(-807/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 269/10))/10, (88 \exp(-54))/5 - (127 \exp(-81))/10 + \\ & (2^{1/2} \cos(\pi/4 - 27))/10, (88 \exp(-271/5))/5 - (127 \exp(-813/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 271/10))/10, (88 \exp(-272/5))/5 - (127 \exp(-408/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 136/5))/10, (88 \exp(-273/5))/5 - (127 \exp(-819/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 273/10))/10, (88 \exp(-274/5))/5 - (127 \exp(-411/5))/10 + \end{aligned}$$

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$(2^{(1/2)} \cos(\pi/4 - 137/5))/10, (88 \exp(-55))/5 - (127 \exp(-165/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 55/2))/10, (88 \exp(-276/5))/5 - (127 \exp(-414/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 138/5))/10, (88 \exp(-277/5))/5 - (127 \exp(-831/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 277/10))/10, (88 \exp(-278/5))/5 - (127 \exp(-417/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 139/5))/10, (88 \exp(-279/5))/5 - (127 \exp(-837/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 279/10))/10, (88 \exp(-56))/5 - (127 \exp(-84))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 28))/10, (88 \exp(-281/5))/5 - (127 \exp(-843/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 281/10))/10, (88 \exp(-282/5))/5 - (127 \exp(-423/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 141/5))/10, (88 \exp(-283/5))/5 - (127 \exp(-849/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 283/10))/10, (88 \exp(-284/5))/5 - (127 \exp(-426/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 142/5))/10, (88 \exp(-57))/5 - (127 \exp(-171/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 57/2))/10, (88 \exp(-286/5))/5 - (127 \exp(-429/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 143/5))/10, (88 \exp(-287/5))/5 - (127 \exp(-861/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 287/10))/10, (88 \exp(-288/5))/5 - (127 \exp(-432/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 144/5))/10, (88 \exp(-289/5))/5 - (127 \exp(-867/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 289/10))/10, (88 \exp(-58))/5 - (127 \exp(-87))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 29))/10, (88 \exp(-291/5))/5 - (127 \exp(-873/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 291/10))/10, (88 \exp(-292/5))/5 - (127 \exp(-438/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 146/5))/10, (88 \exp(-293/5))/5 - (127 \exp(-879/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 293/10))/10, (88 \exp(-294/5))/5 - (127 \exp(-441/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 147/5))/10, (88 \exp(-59))/5 - (127 \exp(-177/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 59/2))/10, (88 \exp(-296/5))/5 - (127 \exp(-444/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 148/5))/10, (88 \exp(-297/5))/5 - (127 \exp(-891/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 297/10))/10, (88 \exp(-298/5))/5 - (127 \exp(-447/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 149/5))/10, (88 \exp(-299/5))/5 - (127 \exp(-897/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 299/10))/10, (88 \exp(-60))/5 - (127 \exp(-90))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 30))/10, (88 \exp(-301/5))/5 - (127 \exp(-903/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 301/10))/10, (88 \exp(-302/5))/5 - (127 \exp(-453/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 151/5))/10, (88 \exp(-303/5))/5 - (127 \exp(-909/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 303/10))/10, (88 \exp(-304/5))/5 - (127 \exp(-456/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 152/5))/10, (88 \exp(-61))/5 - (127 \exp(-183/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 61/2))/10, (88 \exp(-306/5))/5 - (127 \exp(-459/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 153/5))/10, (88 \exp(-307/5))/5 - (127 \exp(-921/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 307/10))/10, (88 \exp(-308/5))/5 - (127 \exp(-462/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 154/5))/10, (88 \exp(-309/5))/5 - (127 \exp(-927/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 309/10))/10, (88 \exp(-62))/5 - (127 \exp(-93))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 31))/10, (88 \exp(-311/5))/5 - (127 \exp(-933/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 311/10))/10, (88 \exp(-312/5))/5 - (127 \exp(-468/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 156/5))/10, (88 \exp(-313/5))/5 - (127 \exp(-939/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 313/10))/10, (88 \exp(-314/5))/5 - (127 \exp(-471/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 157/5))/10, (88 \exp(-63))/5 - (127 \exp(-189/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 63/2))/10, (88 \exp(-316/5))/5 - (127 \exp(-474/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 158/5))/10, (88 \exp(-317/5))/5 - (127 \exp(-951/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 317/10))/10, (88 \exp(-318/5))/5 - (127 \exp(-477/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 159/5))/10, (88 \exp(-319/5))/5 - (127 \exp(-957/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 319/10))/10, (88 \exp(-64))/5 - (127 \exp(-96))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 32))/10, (88 \exp(-321/5))/5 - (127 \exp(-963/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 321/10))/10, (88 \exp(-322/5))/5 - (127 \exp(-483/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 161/5))/10, (88 \exp(-323/5))/5 - (127 \exp(-969/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 323/10))/10, (88 \exp(-324/5))/5 - (127 \exp(-486/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 162/5))/10, (88 \exp(-65))/5 - (127 \exp(-195/2))/10 +$

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$$\begin{aligned} & (2^{1/2} \cos(\pi/4 - 65/2))/10, (88 \exp(-326/5))/5 - (127 \exp(-489/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 163/5))/10, (88 \exp(-327/5))/5 - (127 \exp(-981/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 327/10))/10, (88 \exp(-328/5))/5 - (127 \exp(-492/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 164/5))/10, (88 \exp(-329/5))/5 - (127 \exp(-987/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 329/10))/10, (88 \exp(-66))/5 - (127 \exp(-99))/10 + \\ & (2^{1/2} \cos(\pi/4 - 33))/10, (88 \exp(-331/5))/5 - (127 \exp(-993/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 331/10))/10, (88 \exp(-332/5))/5 - (127 \exp(-498/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 166/5))/10, (88 \exp(-333/5))/5 - (127 \exp(-999/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 333/10))/10, (88 \exp(-334/5))/5 - (127 \exp(-501/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 167/5))/10, (88 \exp(-67))/5 - (127 \exp(-201/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 67/2))/10, (88 \exp(-336/5))/5 - (127 \exp(-504/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 168/5))/10, (88 \exp(-337/5))/5 - (127 \exp(-1011/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 337/10))/10, (88 \exp(-338/5))/5 - (127 \exp(-507/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 169/5))/10, (88 \exp(-339/5))/5 - (127 \exp(-1017/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 339/10))/10, (88 \exp(-68))/5 - (127 \exp(-102))/10 + \\ & (2^{1/2} \cos(\pi/4 - 34))/10, (88 \exp(-341/5))/5 - (127 \exp(-1023/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 341/10))/10, (88 \exp(-342/5))/5 - (127 \exp(-513/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 171/5))/10, (88 \exp(-343/5))/5 - (127 \exp(-1029/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 343/10))/10, (88 \exp(-344/5))/5 - (127 \exp(-516/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 172/5))/10, (88 \exp(-69))/5 - (127 \exp(-207/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 69/2))/10, (88 \exp(-346/5))/5 - (127 \exp(-519/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 173/5))/10, (88 \exp(-347/5))/5 - (127 \exp(-1041/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 347/10))/10, (88 \exp(-348/5))/5 - (127 \exp(-522/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 174/5))/10, (88 \exp(-349/5))/5 - (127 \exp(-1047/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 349/10))/10, (88 \exp(-70))/5 - (127 \exp(-105))/10 + \\ & (2^{1/2} \cos(\pi/4 - 35))/10, (88 \exp(-351/5))/5 - (127 \exp(-1053/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 351/10))/10, (88 \exp(-352/5))/5 - (127 \exp(-528/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 176/5))/10, (88 \exp(-353/5))/5 - (127 \exp(-1059/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 353/10))/10, (88 \exp(-354/5))/5 - (127 \exp(-531/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 177/5))/10, (88 \exp(-71))/5 - (127 \exp(-213/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 71/2))/10, (88 \exp(-356/5))/5 - (127 \exp(-534/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 178/5))/10, (88 \exp(-357/5))/5 - (127 \exp(-1071/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 357/10))/10, (88 \exp(-358/5))/5 - (127 \exp(-537/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 179/5))/10, (88 \exp(-359/5))/5 - (127 \exp(-1077/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 359/10))/10, (88 \exp(-72))/5 - (127 \exp(-108))/10 + \\ & (2^{1/2} \cos(\pi/4 - 36))/10, (88 \exp(-361/5))/5 - (127 \exp(-1083/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 361/10))/10, (88 \exp(-362/5))/5 - (127 \exp(-543/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 181/5))/10, (88 \exp(-363/5))/5 - (127 \exp(-1089/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 363/10))/10, (88 \exp(-364/5))/5 - (127 \exp(-546/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 182/5))/10, (88 \exp(-73))/5 - (127 \exp(-219/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 73/2))/10, (88 \exp(-366/5))/5 - (127 \exp(-549/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 183/5))/10, (88 \exp(-367/5))/5 - (127 \exp(-1101/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 367/10))/10, (88 \exp(-368/5))/5 - (127 \exp(-552/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 184/5))/10, (88 \exp(-369/5))/5 - (127 \exp(-1107/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 369/10))/10, (88 \exp(-74))/5 - (127 \exp(-111))/10 + \\ & (2^{1/2} \cos(\pi/4 - 37))/10, (88 \exp(-371/5))/5 - (127 \exp(-1113/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 371/10))/10, (88 \exp(-372/5))/5 - (127 \exp(-558/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 186/5))/10, (88 \exp(-373/5))/5 - (127 \exp(-1119/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 373/10))/10, (88 \exp(-374/5))/5 - (127 \exp(-561/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 187/5))/10, (88 \exp(-75))/5 - (127 \exp(-225/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 75/2))/10, (88 \exp(-376/5))/5 - (127 \exp(-564/5))/10 + \end{aligned}$$

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$(2^{(1/2)} \cos(\pi/4 - 188/5))/10, (88 \exp(-377/5))/5 - (127 \exp(-1131/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 377/10))/10, (88 \exp(-378/5))/5 - (127 \exp(-567/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 189/5))/10, (88 \exp(-379/5))/5 - (127 \exp(-1137/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 379/10))/10, (88 \exp(-76))/5 - (127 \exp(-114))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 38))/10, (88 \exp(-381/5))/5 - (127 \exp(-1143/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 381/10))/10, (88 \exp(-382/5))/5 - (127 \exp(-573/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 191/5))/10, (88 \exp(-383/5))/5 - (127 \exp(-1149/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 383/10))/10, (88 \exp(-384/5))/5 - (127 \exp(-576/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 192/5))/10, (88 \exp(-77))/5 - (127 \exp(-231/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 77/2))/10, (88 \exp(-386/5))/5 - (127 \exp(-579/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 193/5))/10, (88 \exp(-387/5))/5 - (127 \exp(-1161/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 387/10))/10, (88 \exp(-388/5))/5 - (127 \exp(-582/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 194/5))/10, (88 \exp(-389/5))/5 - (127 \exp(-1167/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 389/10))/10, (88 \exp(-78))/5 - (127 \exp(-117))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 39))/10, (88 \exp(-391/5))/5 - (127 \exp(-1173/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 391/10))/10, (88 \exp(-392/5))/5 - (127 \exp(-588/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 196/5))/10, (88 \exp(-393/5))/5 - (127 \exp(-1179/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 393/10))/10, (88 \exp(-394/5))/5 - (127 \exp(-591/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 197/5))/10, (88 \exp(-79))/5 - (127 \exp(-237/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 79/2))/10, (88 \exp(-396/5))/5 - (127 \exp(-594/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 198/5))/10, (88 \exp(-397/5))/5 - (127 \exp(-1191/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 397/10))/10, (88 \exp(-398/5))/5 - (127 \exp(-597/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 199/5))/10, (88 \exp(-399/5))/5 - (127 \exp(-1197/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 399/10))/10, (88 \exp(-80))/5 - (127 \exp(-120))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 40))/10, (88 \exp(-401/5))/5 - (127 \exp(-1203/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 401/10))/10, (88 \exp(-402/5))/5 - (127 \exp(-603/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 201/5))/10, (88 \exp(-403/5))/5 - (127 \exp(-1209/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 403/10))/10, (88 \exp(-404/5))/5 - (127 \exp(-606/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 202/5))/10, (88 \exp(-81))/5 - (127 \exp(-243/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 81/2))/10, (88 \exp(-406/5))/5 - (127 \exp(-609/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 203/5))/10, (88 \exp(-407/5))/5 - (127 \exp(-1221/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 407/10))/10, (88 \exp(-408/5))/5 - (127 \exp(-612/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 204/5))/10, (88 \exp(-409/5))/5 - (127 \exp(-1227/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 409/10))/10, (88 \exp(-82))/5 - (127 \exp(-123))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 41))/10, (88 \exp(-411/5))/5 - (127 \exp(-1233/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 411/10))/10, (88 \exp(-412/5))/5 - (127 \exp(-618/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 206/5))/10, (88 \exp(-413/5))/5 - (127 \exp(-1239/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 413/10))/10, (88 \exp(-414/5))/5 - (127 \exp(-621/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 207/5))/10, (88 \exp(-83))/5 - (127 \exp(-249/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 83/2))/10, (88 \exp(-416/5))/5 - (127 \exp(-624/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 208/5))/10, (88 \exp(-417/5))/5 - (127 \exp(-1251/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 417/10))/10, (88 \exp(-418/5))/5 - (127 \exp(-627/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 209/5))/10, (88 \exp(-419/5))/5 - (127 \exp(-1257/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 419/10))/10, (88 \exp(-84))/5 - (127 \exp(-126))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 42))/10, (88 \exp(-421/5))/5 - (127 \exp(-1263/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 421/10))/10, (88 \exp(-422/5))/5 - (127 \exp(-633/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 211/5))/10, (88 \exp(-423/5))/5 - (127 \exp(-1269/10))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 423/10))/10, (88 \exp(-424/5))/5 - (127 \exp(-636/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 212/5))/10, (88 \exp(-85))/5 - (127 \exp(-255/2))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 85/2))/10, (88 \exp(-426/5))/5 - (127 \exp(-639/5))/10 +$   
 $(2^{(1/2)} \cos(\pi/4 - 213/5))/10, (88 \exp(-427/5))/5 - (127 \exp(-1281/10))/10 +$

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$$\begin{aligned} & (2^{1/2} \cos(\pi/4 - 427/10))/10, (88 \exp(-428/5))/5 - (127 \exp(-642/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 214/5))/10, (88 \exp(-429/5))/5 - (127 \exp(-1287/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 429/10))/10, (88 \exp(-86))/5 - (127 \exp(-129))/10 + \\ & (2^{1/2} \cos(\pi/4 - 43))/10, (88 \exp(-431/5))/5 - (127 \exp(-1293/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 431/10))/10, (88 \exp(-432/5))/5 - (127 \exp(-648/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 216/5))/10, (88 \exp(-433/5))/5 - (127 \exp(-1299/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 433/10))/10, (88 \exp(-434/5))/5 - (127 \exp(-651/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 217/5))/10, (88 \exp(-87))/5 - (127 \exp(-261/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 87/2))/10, (88 \exp(-436/5))/5 - (127 \exp(-654/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 218/5))/10, (88 \exp(-437/5))/5 - (127 \exp(-1311/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 437/10))/10, (88 \exp(-438/5))/5 - (127 \exp(-657/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 219/5))/10, (88 \exp(-439/5))/5 - (127 \exp(-1317/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 439/10))/10, (88 \exp(-88))/5 - (127 \exp(-132))/10 + \\ & (2^{1/2} \cos(\pi/4 - 44))/10, (88 \exp(-441/5))/5 - (127 \exp(-1323/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 441/10))/10, (88 \exp(-442/5))/5 - (127 \exp(-663/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 221/5))/10, (88 \exp(-443/5))/5 - (127 \exp(-1329/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 443/10))/10, (88 \exp(-444/5))/5 - (127 \exp(-666/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 222/5))/10, (88 \exp(-89))/5 - (127 \exp(-267/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 89/2))/10, (88 \exp(-446/5))/5 - (127 \exp(-669/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 223/5))/10, (88 \exp(-447/5))/5 - (127 \exp(-1341/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 447/10))/10, (88 \exp(-448/5))/5 - (127 \exp(-672/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 224/5))/10, (88 \exp(-449/5))/5 - (127 \exp(-1347/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 449/10))/10, (88 \exp(-90))/5 - (127 \exp(-135))/10 + \\ & (2^{1/2} \cos(\pi/4 - 45))/10, (88 \exp(-451/5))/5 - (127 \exp(-1353/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 451/10))/10, (88 \exp(-452/5))/5 - (127 \exp(-678/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 226/5))/10, (88 \exp(-453/5))/5 - (127 \exp(-1359/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 453/10))/10, (88 \exp(-454/5))/5 - (127 \exp(-681/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 227/5))/10, (88 \exp(-91))/5 - (127 \exp(-273/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 91/2))/10, (88 \exp(-456/5))/5 - (127 \exp(-684/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 228/5))/10, (88 \exp(-457/5))/5 - (127 \exp(-1371/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 457/10))/10, (88 \exp(-458/5))/5 - (127 \exp(-687/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 229/5))/10, (88 \exp(-459/5))/5 - (127 \exp(-1377/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 459/10))/10, (88 \exp(-92))/5 - (127 \exp(-138))/10 + \\ & (2^{1/2} \cos(\pi/4 - 46))/10, (88 \exp(-461/5))/5 - (127 \exp(-1383/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 461/10))/10, (88 \exp(-462/5))/5 - (127 \exp(-693/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 231/5))/10, (88 \exp(-463/5))/5 - (127 \exp(-1389/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 463/10))/10, (88 \exp(-464/5))/5 - (127 \exp(-696/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 232/5))/10, (88 \exp(-93))/5 - (127 \exp(-279/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 93/2))/10, (88 \exp(-466/5))/5 - (127 \exp(-699/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 233/5))/10, (88 \exp(-467/5))/5 - (127 \exp(-1401/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 467/10))/10, (88 \exp(-468/5))/5 - (127 \exp(-702/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 234/5))/10, (88 \exp(-469/5))/5 - (127 \exp(-1407/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 469/10))/10, (88 \exp(-94))/5 - (127 \exp(-141))/10 + \\ & (2^{1/2} \cos(\pi/4 - 47))/10, (88 \exp(-471/5))/5 - (127 \exp(-1413/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 471/10))/10, (88 \exp(-472/5))/5 - (127 \exp(-708/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 236/5))/10, (88 \exp(-473/5))/5 - (127 \exp(-1419/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 473/10))/10, (88 \exp(-474/5))/5 - (127 \exp(-711/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 237/5))/10, (88 \exp(-95))/5 - (127 \exp(-285/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 95/2))/10, (88 \exp(-476/5))/5 - (127 \exp(-714/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 238/5))/10, (88 \exp(-477/5))/5 - (127 \exp(-1431/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 477/10))/10, (88 \exp(-478/5))/5 - (127 \exp(-717/5))/10 + \end{aligned}$$



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$$\begin{aligned} & (2^{1/2} \cos(\pi/4 - 239/5))/10, (88 \exp(-479/5))/5 - (127 \exp(-1437/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 479/10))/10, (88 \exp(-96))/5 - (127 \exp(-144))/10 + \\ & (2^{1/2} \cos(\pi/4 - 48))/10, (88 \exp(-481/5))/5 - (127 \exp(-1443/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 481/10))/10, (88 \exp(-482/5))/5 - (127 \exp(-723/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 241/5))/10, (88 \exp(-483/5))/5 - (127 \exp(-1449/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 483/10))/10, (88 \exp(-484/5))/5 - (127 \exp(-726/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 242/5))/10, (88 \exp(-97))/5 - (127 \exp(-291/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 97/2))/10, (88 \exp(-486/5))/5 - (127 \exp(-729/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 243/5))/10, (88 \exp(-487/5))/5 - (127 \exp(-1461/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 487/10))/10, (88 \exp(-488/5))/5 - (127 \exp(-732/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 244/5))/10, (88 \exp(-489/5))/5 - (127 \exp(-1467/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 489/10))/10, (88 \exp(-98))/5 - (127 \exp(-147))/10 + \\ & (2^{1/2} \cos(\pi/4 - 49))/10, (88 \exp(-491/5))/5 - (127 \exp(-1473/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 491/10))/10, (88 \exp(-492/5))/5 - (127 \exp(-738/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 246/5))/10, (88 \exp(-493/5))/5 - (127 \exp(-1479/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 493/10))/10, (88 \exp(-494/5))/5 - (127 \exp(-741/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 247/5))/10, (88 \exp(-99))/5 - (127 \exp(-297/2))/10 + \\ & (2^{1/2} \cos(\pi/4 - 99/2))/10, (88 \exp(-496/5))/5 - (127 \exp(-744/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 248/5))/10, (88 \exp(-497/5))/5 - (127 \exp(-1491/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 497/10))/10, (88 \exp(-498/5))/5 - (127 \exp(-747/5))/10 + \\ & (2^{1/2} \cos(\pi/4 - 249/5))/10, (88 \exp(-499/5))/5 - (127 \exp(-1497/10))/10 + \\ & (2^{1/2} \cos(\pi/4 - 499/10))/10, (88 \exp(-100))/5 - (127 \exp(-150))/10 + \\ & (2^{1/2} \cos(\pi/4 - 50))/10] \end{aligned}$$