```
%HW2-Prb2
%Navneet Singh(nsinghl@andrew.cmu.edu)
          %clear screen
clear all % clearing all stored variables
close all %close previous plots
%Defining A matrix
A = [3, 2, 2, 1; 2, 3, 1, 2; 2, 1, 2, 0; 1, 2, 0, 5];
[eigenvector, eigenvalues] = eig(A);
%Part A
%Printing eigenvalues and eigen vector.
fprintf('eigen values=%4.3f\n',diag(eigenvalues));
for i=1:size(eigenvector,2)
 fprintf('norm %d: %d\n',i,round(norm(eigenvector(:,i)),2))
end
%Matlab uses Euclidean norm to calculate eigen vectors
% Part B
%Symbolic eigen values and eigenvectors
[Eigenvectors, Eigenvalues] = eig(sym(A))
%Part C
%Defining x matrix
x=[1 \ 0 \ 0 \ 0]';
tolerance = 2;
%we will calculate tolerance as difference between norms of
 consecutive
%vectors
while(tolerance>10^-6)
eigvctr=A*x;
eigvctr = eigvctr/max(eigvctr);
tolerance = norm(eigvctr)-norm(x);
x=eigvctr;
i=i+1;
end
fprintf('Eigenvalues using power method')
eigvctr
eigen values=0.304
eigen values=1.072
eigen values=4.052
eigen values=7.572
```

```
norm 2: 1
norm 3: 1
norm 4: 1
Eigenvectors =
[835/12 - (25*(((393*((3^{(1/2)*56482^{(1/2)*1i})/3 +
 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
 11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
 + 11807/27)^(1/6)) + ((393*((3^(1/2)*56482^(1/2)*1i)/3
 + 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
 + 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
 + 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
 11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
 + 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
 + 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
 + 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
 + 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
 + 535)^(1/4)) - 13/4)^2)/3 - (2*(((393*((3^(1/2)*56482^(1/2)*1i)/3
 + 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
 11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)*56482^{(1/2)*1i}})/3
 + 11807/27)^(1/6)) + ((393*((3^(1/2)*56482^(1/2)*1i)/3
 + 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
 + 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
 + 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
 + 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
 + 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
 + 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
 + 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
 + 535)^(1/4)) - 13/4)^3)/3 - (83*((393*((3^(1/2)*56482^(1/2)*1i)/3
 + 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
 + 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
 + 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
 11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
 + 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
 + 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
 + 11807)^(1/2))/8)^(1/2))/(18*((3^(1/2)*56482^(1/2)*1i)/3
 + 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
 + 535)^(1/4)) - (83*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
 + 535)^{(1/2)}/(18*((3^{(1/2)*56482^{(1/2)*1i}})/3 + 11807/27)^{(1/6)}),
 835/12 - (25*(13/4 + ((393*((3^{(1/2)*56482^{(1/2)*1i})/3
 + 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
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norm 1: 1

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11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 +
11807/27)^{(2/3)} + 535)^{(1/4)} - ((393*((3^{(1/2)}*56482^{(1/2)}*1i)/3))
+ 11807/27)<sup>(1/3)</sup>/4 + 9*((3<sup>(1/2)</sup>*56482<sup>(1/2)</sup>*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(1/6)}^{(2)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/6)}^{(3/
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 +
11807/27)^{(2/3)} + 535)^{(1/4)} - ((393*((3^{(1/2)}*56482^{(1/2)}*1i)/3))
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)/(6*((3^{(1/2)*56482^{(1/2)*1i})/3} +
11807/27)^{(1/6)})^{3}/3 + (83*((393*((3^{(1/2)*56482^{(1/2)*1i})/3})^{3})^{3})^{3} + (83*((393*((3^{(1/2)*56482^{(1/2)*1i}})^{3})^{3})^{3})^{3})^{3})^{3}
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2))/(18*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/4)) - (83*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(18*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)), (83*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(18*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(1/6)) - (25*(((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)) - ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
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11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/4)) + 13/4)^2)/3 + (2*(((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)*56482^{(1/2)*1i})/3}
+ 11807/27)^(1/6)) - ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/4)) + 13/4)^3)/3 - (83*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2))/(18*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/4)) + 835/12, (83*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(18*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(1/6)) - (25*(((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}})/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)) + ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)<sup>(1/3)</sup>*((393*((3<sup>(1/2)</sup>*56482<sup>(1/2)</sup>*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^{(1/4)}) + 13/4)^{2})/3 + (2*(((393*((3^{(1/2)*56482^{(1/2)*1i}})/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
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11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)) + ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}})/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/4)) + 13/4)^3)/3 + (83*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2))/(18*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^{(1/4)} + 835/12
        (20*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(9*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)) + (25*(((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}})/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)) + ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/4)) - 13/4)^2)/6 + (((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)) + ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
```

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11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/4)) - 13/4)^3/3 + (20*((393*((3^{(1/2)*56482^{(1/2)*1i})/3}
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2))/(9*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^{(1/4)} - 107/3,
                                (20*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}})/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(1/6)} + (25*(13/4 + ((393*((3^{(1/2)*56482^{(1/2)*1i})/3}
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 +
11807/27)^{(2/3)} + 535)^{(1/4)} - ((393*((3^{(1/2)*56482^{(1/2)*1i}})/3)^{(1/4)})^{(1/4)} + (393*((3^{(1/2)*56482^{(1/2)*1i}})/3)^{(1/4)})^{(1/4)}
+ 11807/27)<sup>(1/3)</sup>/4 + 9*((3<sup>(1/2)</sup>*56482<sup>(1/2)</sup>*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(1/6))^2}/6 - (13/4 + ((393*((3^{(1/2)*56482^{(1/2)*1i}})/3))^3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 +
11807/27)^{(2/3)} + 535)^{(1/4)} - ((393*((3^{(1/2)}*56482^{(1/2)}*1i)/3))
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(2/3) + 535)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/6)}^{(3/3)} - (20*((393*((3^{(1/2)*56482^{(1/2)*1i}})/3))^{(3/3)}^{(3/3)}^{(3/3)}
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
```

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+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2))/(9*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
                               (25*(((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 535)^{(1/4)} - 107/3,
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}})/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)) - ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/4)) + 13/4)^2)/6 - (20*((393*((3^{(1/2)*56482^{(1/2)*1i}})/3
+ 11807/27)<sup>(1/3)</sup>/4 + 9*((3<sup>(1/2)</sup>*56482<sup>(1/2)</sup>*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(1/6)) - (((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}})/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)) - ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^{(1/4)} + 13/4)^{3/3} + (20*((393*((3^{(1/2)*56482^{(1/2)*1i})/3}
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)<sup>^</sup>(1/2))/8)<sup>^</sup>(1/2))/(9*((3<sup>^</sup>(1/2)*56482<sup>^</sup>(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^{(1/4)} - 107/3,
                               (25*(((393*((3^(1/2)*56482^(1/2)*1i)/3
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+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}})/3 +
11807/27)^(2/3) + 535)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)) + ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^{(1/4)} + 13/4)^{2}/6 - (20*((393*((3^{(1/2)*56482^{(1/2)*1i})/3}
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(1/6)) - (((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)) + ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}})/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/4)) + 13/4)^3/3 - (20*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2))/(9*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^{(1/4)} - 107/3
        (23*((393*((3^{(1/2)*56482^{(1/2)*1i})/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)*56482^{(1/2)*1i}})/3
+ 11807/27)^(1/6)) + (13*(((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}})/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)) + ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
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+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+535)^(1/4)) -13/4)^2)/2 +(((393*((3^{(1/2)*56482^{(1/2)*1i}})/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)) + ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}})/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/4)) - 13/4)^3/2 + (23*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2))/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^{(1/4)} - 223/4
                              (23*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(1/6)} + (13*(13/4 + ((393*((3^{(1/2)*56482^{(1/2)*1i})/3}
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/4)} - ((393*((3^{(1/2)}*56482^{(1/2)}*1i)/3))
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}})/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
```

```
11807/27)^{(1/6)}^{2}/2 - (13/4 + ((393*((3^{(1/2)*56482^{(1/2)*1i}})/3)^{2})^{2})^{2}
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 +
11807/27)^{(2/3)} + 535)^{(1/4)} - ((393*((3^{(1/2)}*56482^{(1/2)}*1i)/3))
+ 11807/27)<sup>(1/3)</sup>/4 + 9*((3<sup>(1/2)</sup>*56482<sup>(1/2)</sup>*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(1/6)}^{3/2} - (23*((393*((3^{(1/2)*56482^{(1/2)*1i}})/3)^{3/2})^{3/2}^{3/2}
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) - (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2))/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^{(1/4)} - 223/4
                               (13*(((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)) - ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/4)) + 13/4)^2)/2 - (23*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)*56482^{(1/2)*1i}})/3
+ 11807/27)^(1/6)) - (((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
+ 11807/27)^(1/6)) - ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
```

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+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/4)) + 13/4)^3/2 + (23*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2))/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^{(1/4)} - 223/4
                              (13*(((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}})/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)*56482^{(1/2)*1i})/3}
+ 11807/27)^(1/6)) + ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/4)) + 13/4)^2)/2 - (23*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/(6*((3^{(1/2)*56482^{(1/2)*1i}})/3
+ 11807/27)^(1/6)) - (((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(2/3) + 535)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)) + ((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/2))/2 - 535*((393*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2) + (363*2^(1/2)*6^(1/2)*(3^(1/2)*56482^(1/2)*9i
+ 11807)^(1/2))/8)^(1/2)/(6*((3^(1/2)*56482^(1/2)*1i)/3
+ 11807/27)^(1/6)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 + 11807/27)^{(2/3)}
+ 535)^(1/4)) + 13/4)^3/2 - (23*((393*((3^{(1/2)*56482^{(1/2)*1i})/3}
+ 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
```

```
+ 535)^{(1/2)}/2 - 535^{*}((393^{*}((3^{(1/2)*56482^{(1/2)*1i}})/3) \\ + 11807/27)^{((1/3))}/4 + 9^{*}((3^{(1/2)*56482^{(1/2)*1i}})/3 + \\ 11807/27)^{(2/3)} + 535)^{((1/2)} - 9^{*}((3^{(1/2)*56482^{(1/2)*1i}})/3 \\ + 11807/27)^{(2/3)^{*}((393^{*}((3^{(1/2)*56482^{(1/2)*1i}})/3) + \\ 11807/27)^{((1/3))}/4 + 9^{*}((3^{((1/2)*56482^{(1/2)*1i}})/3) + 11807/27)^{((2/3))} \\ + 535)^{((1/2))} + (363^{*}2^{((1/2)*6^{((1/2)*(3^{((1/2)*56482^{((1/2)*1i)}})/3)} \\ + 11807)^{((1/2))}/8)^{((1/2))}/(6^{*}((3^{((1/2)*56482^{((1/2)*1i)})/3)} + \\ 11807/27)^{((1/6))^{*}((393^{*}((3^{((1/2)*56482^{((1/2)*1i)})/3)} + \\ 11807/27)^{((1/3))}/4 + 9^{*}((3^{((1/2)*56482^{((1/2)*1i)})/3)} + 11807/27)^{((2/3))} \\ + 535)^{((1/4))} - 223/4]
```

1]

Eigenvalues =

```
[13/4 - (-535*((393*((3^{(1/2)*56482^{(1/2)*1i})/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
 11807/27)^{(2/3)} + 535)^{(1/2)} + (393*((3^{(1/2)}*56482^{(1/2)}*1i)/3)
 + 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 +
 11807/27)^{(2/3)} + 535)^{(1/2)}/2 - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
 + 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - (363*2^{(1/2)}*6^{(1/2)}*(11807)^{(1/2)}
+ 3<sup>(1/2)*56482<sup>(1/2)*9i</sup>)<sup>(1/2)</sup>/8)<sup>(1/2)</sup>/(6*(11807/27</sup>
 + (3^(1/2)*56482^(1/2)*1i)/3)^(1/6)*((393*(11807/27
 + (3<sup>(1/2)*56482<sup>(1/2)*1i</sup>)/3)<sup>(1/3)</sup>)/4 + 9*(11807/27</sup>
 + (3^{(1/2)*56482^{(1/2)*1i}/3)^{(2/3)} + 535)^{(1/4)} -
 ((393*((3^{(1/2)*56482^{(1/2)*1i})/3 + 11807/27)^{(1/3))/4 +
 9*((3^{(1/2)*56482^{(1/2)*1i}})/3 + 11807/27)^{(2/3)} + 535)^{(1/2)}
(6*(11807/27 + (3^{(1/2)*56482^{(1/2)*1i)/3})^{(1/6)}),
```

0,

0]

```
0, 13/4 + (-535*((393*((3^{(1/2)*56482^{(1/2)*1i})/3
 + 11807/27)^(1/3))/4 + 9*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^{(2/3)} + 535)^{(1/2)} + (393*((3^{(1/2)*56482^{(1/2)*1i}})/3
 + 11807/27)^(1/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
 11807/27)^{(2/3)} + 535)^{(1/2)}/2 - 9*((3^{(1/2)*56482^{(1/2)*1i}})/3
 + 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
 11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} - (363*2^{(1/2)}*6^{(1/2)}*(11807)^{(1/2)}
+ 3<sup>(1/2)*56482<sup>(1/2)*9i</sup>)<sup>(1/2)</sup>)/8)<sup>(1/2)</sup>/(6*(11807/27</sup>
 + (3<sup>(1/2)*56482<sup>(1/2)*1i</sup>)/3)<sup>(1/6)*((393*(11807/27</sup></sup>
 + (3<sup>(1/2)*56482<sup>(1/2)*1i</sup>)/3)<sup>(1/3)</sup>/4 + 9*(11807/27</sup>
+ (3^(1/2)*56482^(1/2)*1i)/3)^(2/3) + 535)^(1/4)) -
((393*((3^{(1/2)*56482^{(1/2)*1i})/3 + 11807/27)^{(1/3)})/4 +
9*((3^{(1/2)*56482^{(1/2)*1i}})/3 + 11807/27)^{(2/3)} + 535)^{(1/2)}/
(6*(11807/27 + (3^{(1/2)*56482^{(1/2)*1i})/3)^{(1/6)}),
```

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[ O ]
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```
0, ((393*((3^{(1/2)*56482^{(1/2)*1i})/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 + 11807/27)^{(2/3)}
+ 535)^(1/2)/(6*(11807/27 + (3^(1/2)*56482^(1/2)*1i)/3)^(1/6))
-(-535*((393*((3^{(1/2)*56482^{(1/2)*1i})/3 + 11807/27)^{(1/3)})/4
+ 9*((3^(1/2)*56482^(1/2)*1i)/3 + 11807/27)^(2/3)
+ 535)^{(1/2)} + (393*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(1/3)*}((393*((3^{(1/2)*56482^{(1/2)*1i})/3} +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3 +
11807/27)^{(2/3)} + 535)^{(1/2)}/2 - 9*((3^{(1/2)}*56482^{(1/2)}*1i)/3
+ 11807/27)^(2/3)*((393*((3^(1/2)*56482^(1/2)*1i)/3 +
11807/27)^{(1/3)}/4 + 9*((3^{(1/2)*56482^{(1/2)*1i}}/3 +
11807/27)^{(2/3)} + 535)^{(1/2)} + (363*2^{(1/2)}*6^{(1/2)}*(11807)^{(1/2)}
+ 3<sup>(1/2)*56482<sup>(1/2)*9i</sup>)<sup>(1/2)</sup>/8)<sup>(1/2)</sup>/(6*(11807/27</sup>
+ (3<sup>(1/2)*56482<sup>(1/2)*1i</sup>)/3)<sup>(1/6)*</sup>((393*(11807/27 +</sup>
(3^{(1/2)*56482^{(1/2)*1i}})/3)^{(1/3)}/4 + 9*(11807/27 +
(3^{(1/2)*56482^{(1/2)*1i}/3)^{(2/3)} + 535)^{(1/4)} + 13/4,
```

17

0]

0,

 $0, \ ((393*((3^{(1/2)*56482^{(1/2)*1i})/3} + 11807/27)^{(1/3)})/4 + 9*((3^{(1/2)*56482^{(1/2)*1i})/3} + 11807/27)^{(2/3)} + 535)^{(1/2)/(6*(11807/27 + (3^{(1/2)*56482^{(1/2)*1i})/3})^{(1/6))} + (-535*((393*((3^{(1/2)*56482^{(1/2)*1i})/3} + 11807/27)^{(1/3))/4} + 9*((3^{(1/2)*56482^{(1/2)*1i})/3} + 11807/27)^{(2/3)} + 535)^{(1/2)} + (393*((3^{(1/2)*56482^{(1/2)*1i})/3} + 11807/27)^{(1/3)}*((393*((3^{(1/2)*56482^{(1/2)*1i})/3} + 11807/27)^{(1/3)})/4 + 9*((3^{(1/2)*56482^{(1/2)*1i})/3} + 11807/27)^{(2/3)} + 535)^{(1/2)}/2 - 9*((3^{(1/2)*56482^{(1/2)*1i})/3} + 11807/27)^{(2/3)}*((393*((3^{(1/2)*56482^{(1/2)*1i})/3} + 11807/27)^{(2/3)}*((393*((3^{(1/2)*56482^{(1/2)*1i})/3} + 11807/27)^{(2/3)})$

```
\begin{array}{l} 11807/27)^{\circ}(1/3))/4 + 9^{\ast}((3^{\circ}(1/2)^{\ast}56482^{\circ}(1/2)^{\ast}1i)/3 + \\ 11807/27)^{\circ}(2/3) + 535)^{\circ}(1/2) + (363^{\ast}2^{\circ}(1/2)^{\ast}6^{\circ}(1/2)^{\ast}(11807) \\ + 3^{\circ}(1/2)^{\ast}56482^{\circ}(1/2)^{\ast}9i)^{\circ}(1/2))/8)^{\circ}(1/2)/(6^{\ast}(11807/27) \\ + (3^{\circ}(1/2)^{\ast}56482^{\circ}(1/2)^{\ast}1i)/3)^{\circ}(1/6)^{\ast}((393^{\ast}(11807/27)^{\ast}(1/2)^{\ast}56482^{\circ}(1/2)^{\ast}1i)/3)^{\circ}(1/3))/4 + 9^{\ast}(11807/27) \\ + (3^{\circ}(1/2)^{\ast}56482^{\circ}(1/2)^{\ast}1i)/3)^{\circ}(2/3) + 535)^{\circ}(1/4)) + 13/4] \end{array}
```

Eigenvalues using power method
eigvctr =

- 0.8783
- 0.9375
- 0.5075
- 1.0000

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