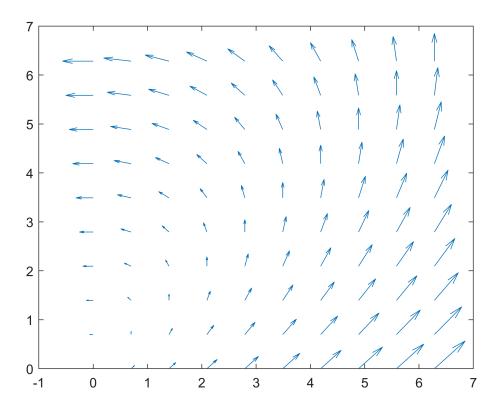
```
% name-amlan nayak
% reg no.-19bcd7143
% date- 20/9/19
clc
clear all
syms x y t
F = [x-y x];
r = [\cos(t) \sin(t)]
r = (\cos(t) \sin(t))
1 = 0
1 = 0
u = 2*pi
u = 6.2832
dr1 = diff(r,t)
dr1 = (-\sin(t) \cos(t))
f1 = subs(F,[x,y],[r(1),r(2)])
f1 = (\cos(t) - \sin(t) \cos(t))
nf = f1.*dr1
\mathsf{nf} = (-\sin(t) (\cos(t) - \sin(t)) \cos(t)^2)
nf1 = sum(nf)
\mathsf{nf1} = \cos(t)^2 - \sin(t) (\cos(t) - \sin(t))
i = int(nf1,t,l,u)
i = 2\pi
P = inline(vectorize(F(1)), 'x', 'y')
P =
    Inline function:
    P(x,y) = x - y
Q = inline(vectorize(F(2)), 'x', 'y')
Q =
    Inline function:
    Q(x,y) = x
x = linspace(0,2*pi,10);y=x
```

```
y = 1 \times 10
               0.6981
                          1.3963
                                     2.0944
                                                2.7925
                                                           3.4907
                                                                      4.1888
                                                                                 4.8869 ...
[X,Y] = meshgrid(x,y)
X = 10 \times 10
               0.6981
                          1.3963
                                                                      4.1888
                                                                                 4.8869 ...
                                     2.0944
                                                2.7925
                                                           3.4907
               0.6981
                          1.3963
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                                                           3.4907
                                                                      4.1888
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               0.6981
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                                                                      4.1888
                                                                                 4.8869
          0
               0.6981
                          1.3963
                                     2.0944
                                                2.7925
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               0.6981
                          1.3963
                                     2.0944
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                                                                      4.1888
                                                                                 4.8869
                                                2.7925
          0
               0.6981
                          1.3963
                                     2.0944
                                                2.7925
                                                           3.4907
                                                                      4.1888
                                                                                 4.8869
               0.6981
                                                2.7925
                                                                      4.1888
         0
                          1.3963
                                     2.0944
                                                           3.4907
                                                                                 4.8869
         0
               0.6981
                          1.3963
                                     2.0944
                                                2.7925
                                                           3.4907
                                                                      4.1888
                                                                                 4.8869
               0.6981
                          1.3963
                                     2.0944
                                                2.7925
                                                           3.4907
                                                                      4.1888
                                                                                 4.8869
Y = 10 \times 10
                                                                                      0 . . .
         0
                    0
                               0
                                          0
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    0.6981
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                                                                      6.2832
                                                                                 6.2832
U = P(X,Y)
U = 10 \times 10
               0.6981
                                                                                 4.8869 ...
         0
                          1.3963
                                     2.0944
                                                2.7925
                                                           3.4907
                                                                      4.1888
   -0.6981
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                                                                      3.4907
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   -3.4907
              -2.7925
                         -2.0944
                                    -1.3963
                                               -0.6981
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                                                                                 1.3963
                                                                                 0.6981
   -4.1888
              -3.4907
                         -2.7925
                                    -2.0944
                                               -1.3963
                                                          -0.6981
                                                                           0
   -4.8869
              -4.1888
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                                                                     -2.0944
                                                                                -1.3963
V = Q(X,Y)
V = 10 \times 10
               0.6981
                          1.3963
                                     2.0944
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                                                2.7925
                                                           3.4907
                                                                      4.1888
                                                                                 4.8869
```

quiver(x,y,U,V)



```
% name-amlan nayak
% reg no.-19BCD7143
% date-20/9/19
clc
clear all
syms x y z t
F = [x z y];
r = [\cos(t) \sin(t) t]
r = (\cos(t) \sin(t) t)
1 = 0
1 = 0
u = pi/2
u = 1.5708
dr1 = diff(r,t)
dr1 = (-\sin(t) \cos(t) 1)
f1 = subs(F,[x,y,z],[r(1),r(2),r(3)])
f1 = (\cos(t) \ t \ \sin(t))
nf = f1.*dr1
nf = (-\cos(t)\sin(t) t\cos(t) \sin(t))
nf1 = sum(nf)
nf1 = \sin(t) - \cos(t)\sin(t) + t\cos(t)
i = int(nf1,t,l,u)
i =
P = inline(vectorize(F(1)), 'x', 'y', 'z')
P =
    Inline function:
    P(x,y,z) = x
Q = inline(vectorize(F(2)), 'x', 'y', 'z')
Q =
    Inline function:
    Q(x,y,z) = z
```

```
R =
     Inline function:
     R(x,y,z) = y
x = linspace(0,2*pi,10);y=x;z=x
z = 1 \times 10
                                    2.0944
                                              2.7925
                                                         3.4907
                                                                    4.1888
                                                                              4.8869 ...
         0
               0.6981
                         1.3963
[X,Y,Z] = meshgrid(x,y,z)
X(:,:,1) =
              0.6981
                         1.3963
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X(:,:,2) =
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X(:,:,3) =
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X(:,:,4) =
         0
               0.6981
                         1.3963
                                    2.0944
                                              2.7925
                                                         3.4907
                                                                   4.1888
                                                                              4.8869
                                                                                         5.5851
                                                                                                    6.2832
         0
               0.6981
                         1.3963
                                    2.0944
                                              2.7925
                                                         3.4907
                                                                    4.1888
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                                                                                         5.5851
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               0.6981
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                         1.3963
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                                              2.7925
                                                         3.4907
                                                                    4.1888
                                                                              4.8869
                                                                                         5.5851
                                                                                                    6.2832
```

R = inline(vectorize(F(3)), 'x', 'y', 'z')

	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	O	0.0581	1.5505	2.0344	2.7525	3.4507	4.1000	4.0005	J. J0JI	0.2052
X(:,:,5	) =									
Λ(•,•,ο	, –									
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869		
									5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
V( 6	١ _									
X(:,:,6	) =									
	0	0.6981	1 2062	2.0944	2.7925	3.4907	4.1888	4.8869	E E0E1	6.2832
	0		1.3963				4.1888		5.5851	
	0	0.6981	1.3963	2.0944	2.7925	3.4907		4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
V/ 7	`									
X(:,:,7	) =									
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6 2022
	0									6.2832
	0	0.6981 0.6981	1.3963	2.0944	2.7925 2.7925	3.4907 3.4907	4.1888 4.1888	4.8869 4.8869	5.5851 5.5851	6.2832 6.2832
	0	0.6981	1.3963	2.0944						
	0		1.3963	2.0944 2.0944	2.7925 2.7925	3.4907 3.4907	4.1888 4.1888	4.8869	5.5851	6.2832
	0 0	0.6981 0.6981	1.3963	2.0944			4.1888	4.8869	5.5851	6.2832
		0.6981	1.3963		2.7925	3.4907		4.8869	5.5851	6.2832
	0		1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
V/ 0	`									
X(:,:,8	) =									
	Ω	0 6001	1 2062	2 2044	2 7025	2 4007	A 1000	4 0000	E F0F1	6 2022
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832

X(:,:,9) =

0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
· ·	0.0301	1.3303	2.0511	2.,,,22,	3. 1307	111000	1.0003	3.3031	0.2032
\(\lambda\)									
X(:,:,10) =									
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832
Y =									
Y(:,:,1) =									
( , , , ,									
0	0	0	0	0	0	0	0	0	0
0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832
0,1001	012052	012052	012032	012032	012052	012032	01-03-	012002	012032
Y(:,:,2) =									
1(.,.,2) -									
0	0	0	0	0	0	0	0	0	0
0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832
Y(:,:,3) =									
0	0	0	0	0	0	0	0	0	0
0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851

6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832
Y(:,:,4) =									
0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832									
Y(:,:,5) =									
0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832
Y(:,:,6) =									
0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832
Y(:,:,7) =									
0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832
Y(:,:,8) =									
0 0.6981 1.3963 2.0944									

2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	2.7925 3.4907 4.1888 4.8869 5.5851 6.2832
Y(:,:,9) =									
0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832
Y(:,:,10) =									
0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832
Z = Z(:,:,1) =									
	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
Z(:,:,2) =									
0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981

Z(:,:,3) =

1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
1.5505	1.3303	1.5505	1.3303	1.3303	1.5505	1.5505	1.5505	1.5505	1.5505
Z(:,:,4) =									
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Z(:,:,5) =									
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
7/									
Z(:,:,6) =									
2 4007	2 4007	2 4007	2 4007	2 4007	2 4007	2 4007	2 4007	2 4007	2 4007
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907			3.4907	3.4907		3.4907	3.4907	
		3.4907	3.4907			3.4907			3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
7( 7)									
Z(:,:,7) =									
4 4000	4 4000	4 1000	4 1000	4 4000	4 4000	4 4000	4 1000	4 4000	4 4000
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888

4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	
Z(:,:,8) =										
4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	
Z(:,:,9) =										
5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	
Z(:,:,10) =										
6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832	
U = P(X,Y,	,Z)									
U = U(:,:,1) =										
0 0 0 0 0 0 0	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944	2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925	3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907	4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832	
U(:,:,2) =										
0 0	0.6981 0.6981	1.3963 1.3963	2.0944 2.0944	2.7925 2.7925	3.4907 3.4907	4.1888 4.1888	4.8869 4.8869	5.5851 5.5851	6.2832 6.2832	

6 6 6 6	3 3 3 3 3	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944	2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925	3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907	4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832
U(:,:,3) =	=									
6 6 6 6 6	3 3 3 3 3 3 3	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944	2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925	3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907	4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832
U(:,:,4) =	=									
6 6 6 6 6	3 3 3 3 3 3 3	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944	2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925	3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907	4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832
U(:,:,5) =	=									
6 6 6 6 6	3 3 3 3 3 3 3	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944	2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925	3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907	4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832
U(:,:,6) =	=									
6 6 6 6 6	3 3 3 3 3 3 3	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944	2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925	3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907	4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888	4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869	5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851	6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832

U(:,:,7)	) =										
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
U(:,:,8)	) =										
, , , ,		0 6004	4 2062	2 0044	2 7025	2 4007	4 4000	4 0060	F F0F4	6 2022	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	Ü	0.0301	1.3303	2.0544	2.,,525	3.4307	4.1000	4.0003	3.3031	0.2032	
U(:,:,9)	) =										
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
U(:,:,10	ð) =										
	0	0 6004	4 2062	2 0044	2 7025	2 4007	4 4000	4 0060	F F0F4	6 2022	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
	0	0.6981	1.3963	2.0944	2.7925	3.4907	4.1888	4.8869	5.5851	6.2832	
V = Q(	Χ,Υ,	Z)									
V = V(:,:,1)	\ _										
ر⊥ر، ر۰) ۷	, =										
0	0	0	0 0	0 6	0	0 0					
0	0	0	0 0	0 6	0	0 0					
0	0	0	0 0	0 6	0	0 0					
0	0	0	0 0	0 6	0	0 0					

	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0				
V(:	,:,2) =	=												
	0.6983 0.6983 0.6983 0.6983 0.6983 0.6983 0.6983	1 1 1 1 1 1 1	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	0.6 0.6 0.6 0.6 0.6	5981 5981 5981 5981 5981 5981 5981 5981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	- - - -	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	<ol> <li>0.</li> <li>0.</li> <li>0.</li> <li>0.</li> <li>0.</li> </ol>	6981 6981 6981 6981 6981 6981 6981 6981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981	0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981
۷(:	,:,3) =	=												
	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963	3 3 3 3 3 3 3 3 3	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963	1.3 1.3 1.3 1.3 1.3 1.3	8963 8963 8963 8963 8963 8963 8963 8963	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963	3 3 3 3 3	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963	1. 1. 1. 1. 1.	3963 3963 3963 3963 3963 3963 3963 3963	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963	1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963
V(:	,:,4) =	=												
	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944	4 4 4 4 4 4 4	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944	2.6 2.6 2.6 2.6 2.6 2.6 2.6	9944 9944 9944 9944 9944 9944 9944 994	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944	-  -  -  -  -  -  -	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944	2. 2. 2. 2. 2. 2.	0944 0944 0944 0944 0944 0944 0944 0944	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944	2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944
V(:	,:,5) =	=												
	2.7929 2.7929 2.7929 2.7929 2.7929 2.7929 2.7929 2.7929	5 5 5 5 5 5 5	2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925	2.7 2.7 2.7 2.7 2.7 2.7 2.7	7925 7925 7925 7925 7925 7925 7925 7925	2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925		2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925	2. 2. 2. 2. 2. 2.	7925 7925 7925 7925 7925 7925 7925 7925	2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925	2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925	2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925	2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925

V(:,:,6) =

3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
V(:,:,7) =									
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.1888			4.1888				4.1888		
	4.1888	4.1888		4.1888	4.1888	4.1888		4.1888	4.1888
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
\//· · · O\									
V(:,:,8) =									
4 0050									
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
4.0009	4.0009	4.0009	4.0009	4.0009	4.0009	4.0009	4.0009	4.0009	4.0009
V(:,:,9) =									
v(.,.,) –									
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
V(:,:,10) =									
,									
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832
		6.2832			6.2832			6.2832	
6.2832	6.2832		6.2832	6.2832		6.2832	6.2832		6.2832
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832

W = R(X,Y,	,Z)								
W = W(:,:,1) =									
0 0.6981 1.3963	0 0.6981 1.3963	0 0.6981 1.3963	0 0.6981 1.3963	0 0.6981 1.3963	0 0.6981 1.3963	0 0.6981 1.3963	0 0.6981 1.3963	0 0.6981 1.3963	0 0.6981 1.3963
2.0944 2.7925 3.4907 4.1888	2.0944 2.7925 3.4907 4.1888	2.0944 2.7925 3.4907 4.1888	2.0944 2.7925 3.4907 4.1888	2.0944 2.7925 3.4907 4.1888	2.0944 2.7925 3.4907 4.1888	2.0944 2.7925 3.4907 4.1888	2.0944 2.7925 3.4907 4.1888	2.0944 2.7925 3.4907 4.1888	2.0944 2.7925 3.4907 4.1888
4.8869 5.5851 6.2832	4.8869 5.5851 6.2832	4.8869 5.5851 6.2832	4.8869 5.5851 6.2832	4.8869 5.5851 6.2832	4.8869 5.5851 6.2832	4.8869 5.5851 6.2832	4.8869 5.5851 6.2832	4.8869 5.5851 6.2832	4.8869 5.5851 6.2832
W(:,:,2) =									
0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832
0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832		0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	5.5851	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	5.5851		5.5851	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832
W(:,:,4) =									
0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832	0 0.6981 1.3963 2.0944 2.7925 3.4907 4.1888 4.8869 5.5851 6.2832
W(:,:,5) =	0	0	0	0	0	2	0	2	^
0	0	0	0	0	0	0	0	0	0

6.2832 6.2832 6.2832 6.2832 6.2832 6.2832

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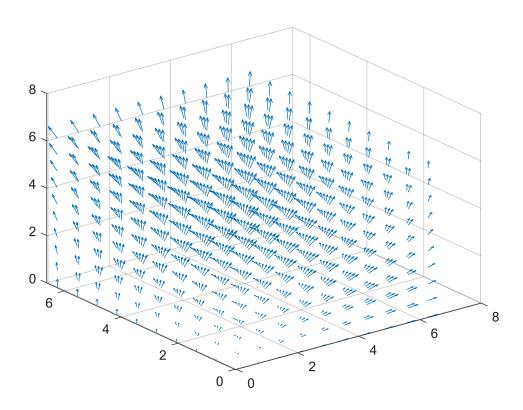
6.2832

6.2832

0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832
W(:,:,6) =									
0	0	0	0	0	0	0	0	0	0
0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832
W(:,:,7) =									
0	0	0	0	0	0	0	0	0	0
0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832
W(:,:,8) =									
0	0	0	0	0	0	0	0	0	0
0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
							4.1888		
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888		4.1888	4.1888
4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869	4.8869
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832
W(:,:,9) =									
0	0	0	0	0	0	0	0	0	0
0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981	0.6981
1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963	1.3963
2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944	2.0944
2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925	2.7925
3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907	3.4907
4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888	4.1888
	4.18869	4.18869	4.18869	4.18869	4.18869	4.18869	4.18869	4.18869	4.18869
4.8869									
5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851	5.5851
6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832	6.2832

W(:,:,10) =0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 0.6981 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 1.3963 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.0944 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 2.7925 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 3.4907 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.1888 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 4.8869 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 5.5851 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832 6.2832

## quiver3(X,Y,Z,U,V,W)



```
% name - amlan nayak
% reg no.-19BCD7143
% date-20/9/19
syms x y t m n
F = [m,n]
F = (m \quad n)
x = cos(t)
x = \cos(t)
y = sin(t)
y = \sin(t)
dx = diff(x,t)
dx = -\sin(t)
dy = diff(y,t)
dy = cos(t)
m = x - y
m = \cos(t) - \sin(t)
n = x
n = \cos(t)
i = int(m*dy,t,0,2*pi)
i = \pi
j = int(n*dx,t,0,2*pi)
```

j = 0

flux = i-j

 $flux = \pi$