
```
% name-amlan shivam nayak
% reg no.-19bcd7143
% date-11/10/19
clear all
clc
syms x y t
f = [x-y x]
m = x-y
n = x
p = diff(n,y)
q = diff(m,x)
x = cos(t)
y = sin(t)
s = int(p+q,t,0,2*pi)
```

$f =$

$[x - y, x]$

$m =$

$x - y$

$n =$

x

$p =$

0

$q =$

1

$x =$

$\cos(t)$

$y =$

$\sin(t)$

$s =$

$2\pi i$

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```
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x = cos(t)
y = sin(t)
s = int(p-q,t,0,2*pi)
```

$f =$

$[x - y, x]$

$m =$

$x - y$

$n =$

x

$p =$

1

$q =$

-1

$x =$

$\cos(t)$

$y =$

$\sin(t)$

$s =$

4π

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