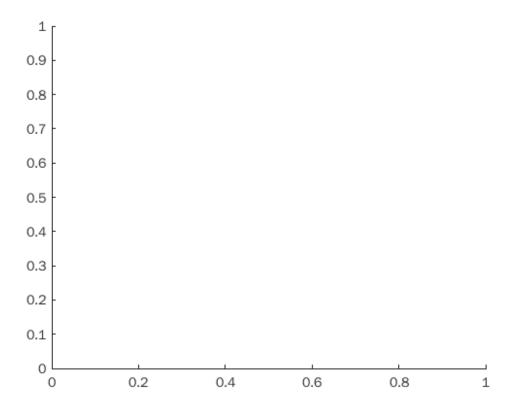
#### **Table of Contents**

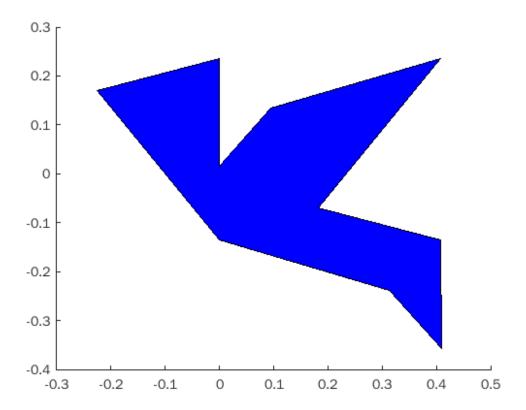
```
Repeating the sequence 6
%______%
clc;clear;close all;
x = [0.3039 \ 0.6168 \ 0.7128 \ 0.7120 \ 0.9377 \ 0.7120 \ 0.3989, \dots]
 0.3028 0.3036 0.5293 0.3039];
y = [0.1960 \ 0.2977 \ 0.4169 \ 0.1960 \ 0.2620 \ 0.5680 \ 0.6697, \dots]
 0.7889 0.5680 0.5020 0.1960];
n = length(x);
P = [x;y;ones(1,n)];
dx = 0.1827 + 0.6338;
dy = 0.8249 - 0.0809;
figure()
hold on;
```



#### 1st Tile

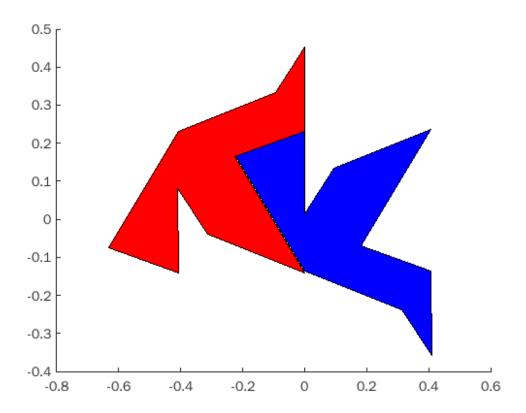
```
h = 0.7120;
k = 0.4320;
th = deg2rad(180);
% translation matrix
T = [...
     1 0 h
     0 1 k
     0 0 1];
% Rotation Matrix
R = [...]
    cos(th) -sin(th) 0
    sin(th) cos(th) 0
    0 0 1
    ];
P1 = T*R*P;
x1 = P1(1,:);
y1 = P1(2,:);
```

```
fill(x1,y1,'b')
```



## 2nd Tile

```
x2 = P2(1,:);
y2 = P2(2,:);
fill(x2,y2,'r')
```



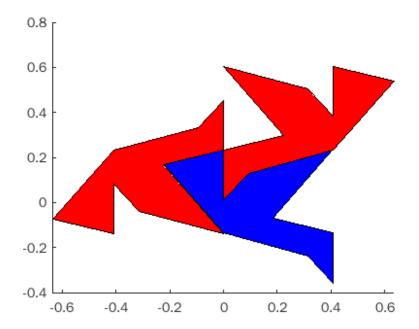
## **3rd Tile**

```
P3 = T*PP;

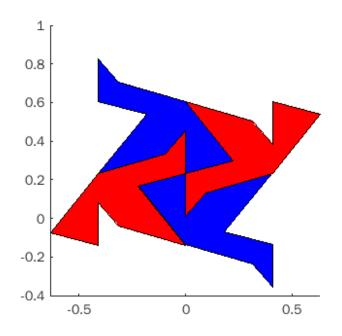
x3 = P3(1,:);

y3 = P3(2,:);

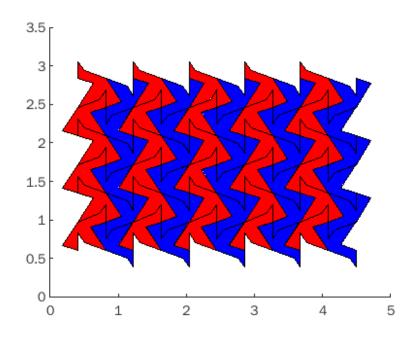
fill(x3,y3,'r')
```



## 4th Tile



# Repeating the sequence



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