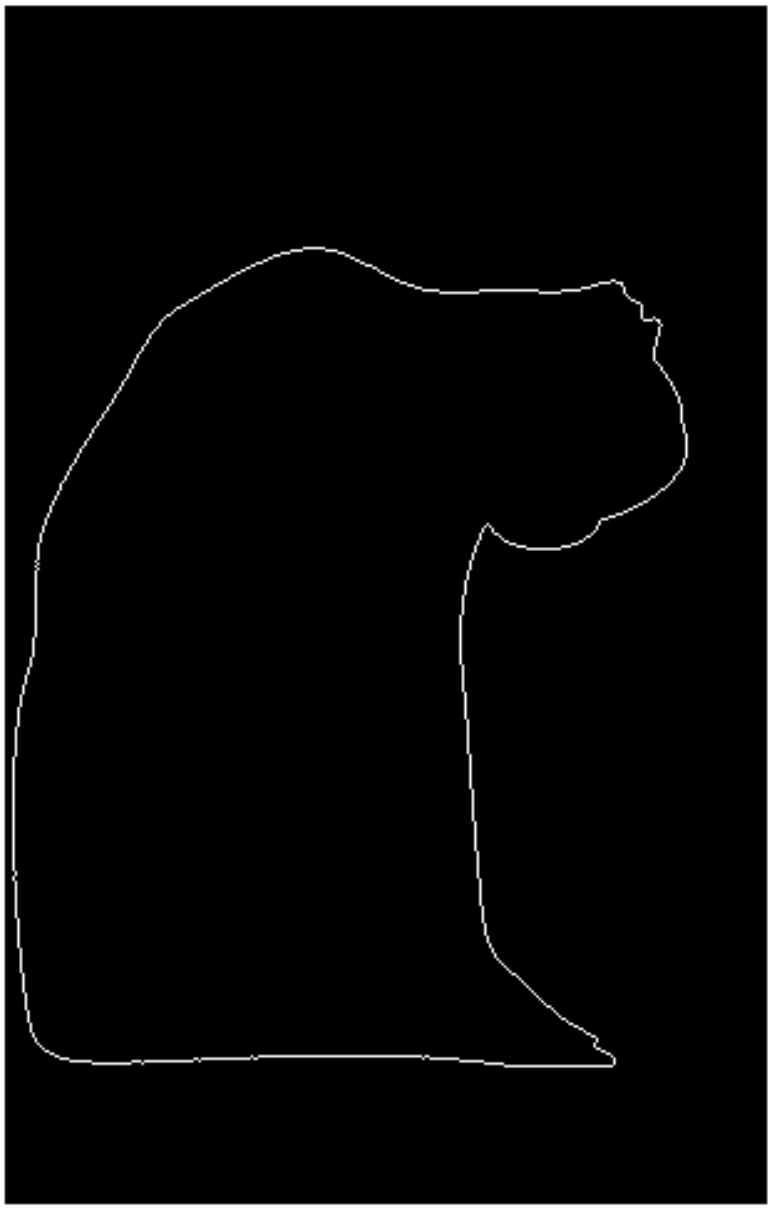
```
function classifYoga()
   close all;
   clc;
   im1 = imread('yogasan/y1.jpg');
   im2 = imread('yogasan/y2.jpg');
   im3 = imread('yogasan/y3.jpg');
   im4 = imread('yogasan/y4.jpg');
   y1 = load('1.mat');
   y1 = y1.nChain;
   y2 = load('2.mat');
   y2 = y2.nChain;
   y3 = load('3.mat');
   y3 = y3.nChain;
   y4 = load('4.mat');
   y4 = y4.nChain;

   bw1 = im2bw(im1);
   bw1 = 1 - bw1;
   bd = boundary(bw1);
   chain = getChain(bd);
   nChain = normalizeChain(chain);
   disp('image 1 is equal to: ');
   disp(['y1? ' num2str(isequal(nChain, y1))]);
   disp(['y2? ' num2str(isequal(nChain, y2))]);
   disp(['y3? ' num2str(isequal(nChain, y3))]);
   disp(['y4? ' num2str(isequal(nChain, y4))]);


   bw2 = im2bw(im2);
   bw2 = 1 - bw2;
   bd = boundary(bw1);
   chain = getChain(bd);
   nChain = normalizeChain(chain);
   disp('image 2 is equal to: ');
   disp(['y1? ' num2str(isequal(nChain, y1))]);
   disp(['y2? ' num2str(isequal(nChain, y2))]);
   disp(['y3? ' num2str(isequal(nChain, y3))]);
   disp(['y4? ' num2str(isequal(nChain, y4))]);

   bw3 = im2bw(im3);
   bw3 = 1 - bw3;
   bd = boundary(bw1);
   chain = getChain(bd);
   nChain = normalizeChain(chain);
   disp('image 3 is equal to: ');
   disp(['y1? ' num2str(isequal(nChain, y1))]);
   disp(['y2? ' num2str(isequal(nChain, y2))]);
   disp(['y3? ' num2str(isequal(nChain, y3))]);
   disp(['y4? ' num2str(isequal(nChain, y4))]);


   bw4 = im2bw(im4);
```

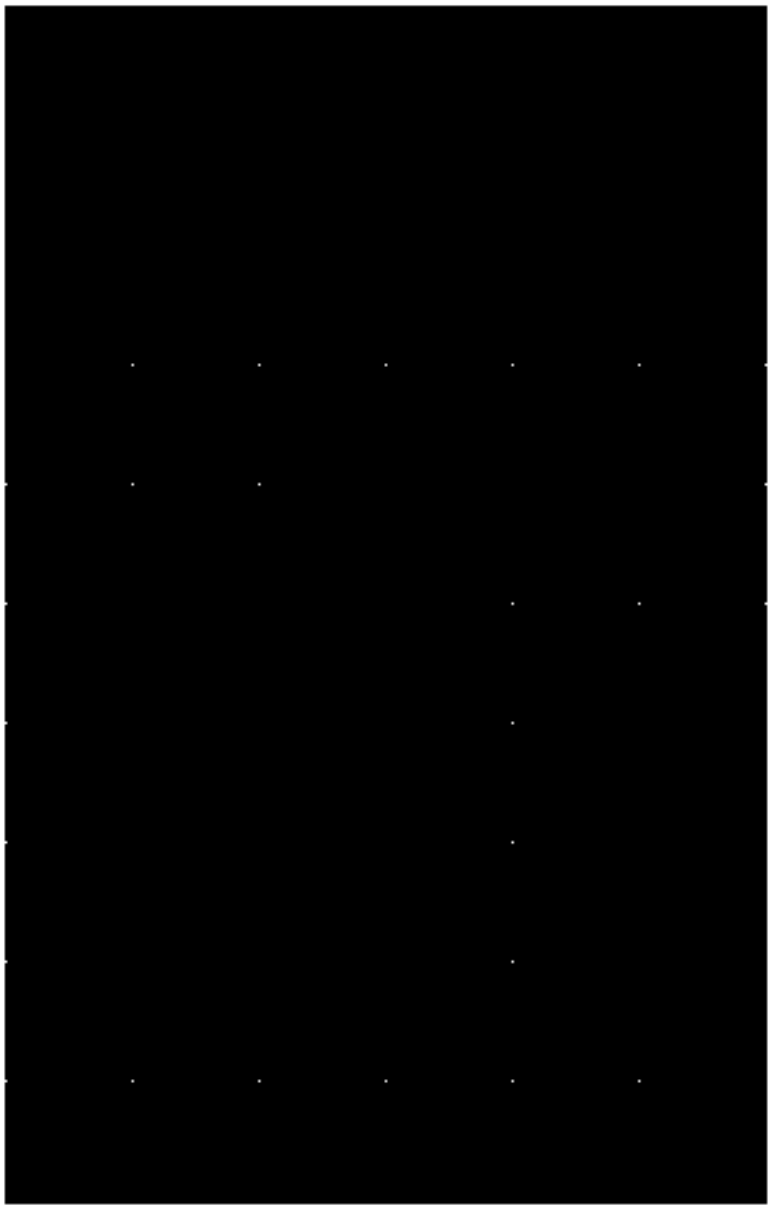
```
    bw4 = 1 - bw4;
    bd = boundary(bw1);
    chain = getChain(bd);
    nChain = normalizeChain(chain);
      disp('image 4 is equal to: ');
    disp(['y1? ' num2str(isequal(nChain, y1))]);
    disp(['y2? ' num2str(isequal(nChain, y2))]);
    disp(['y3? ' num2str(isequal(nChain, y3))]);
    disp(['y4? ' num2str(isequal(nChain, y4))]);



end
```

```
image 1 is equal to:
y1? 1
y2? 0
y3? 0
y4? 0
image 2 is equal to:
y1? 1
y2? 0
y3? 0
y4? 0
image 3 is equal to:
y1? 1
y2? 0
y3? 0
y4? 0
image 4 is equal to:
y1? 1
y2? 0
y3? 0
y4? 0
```

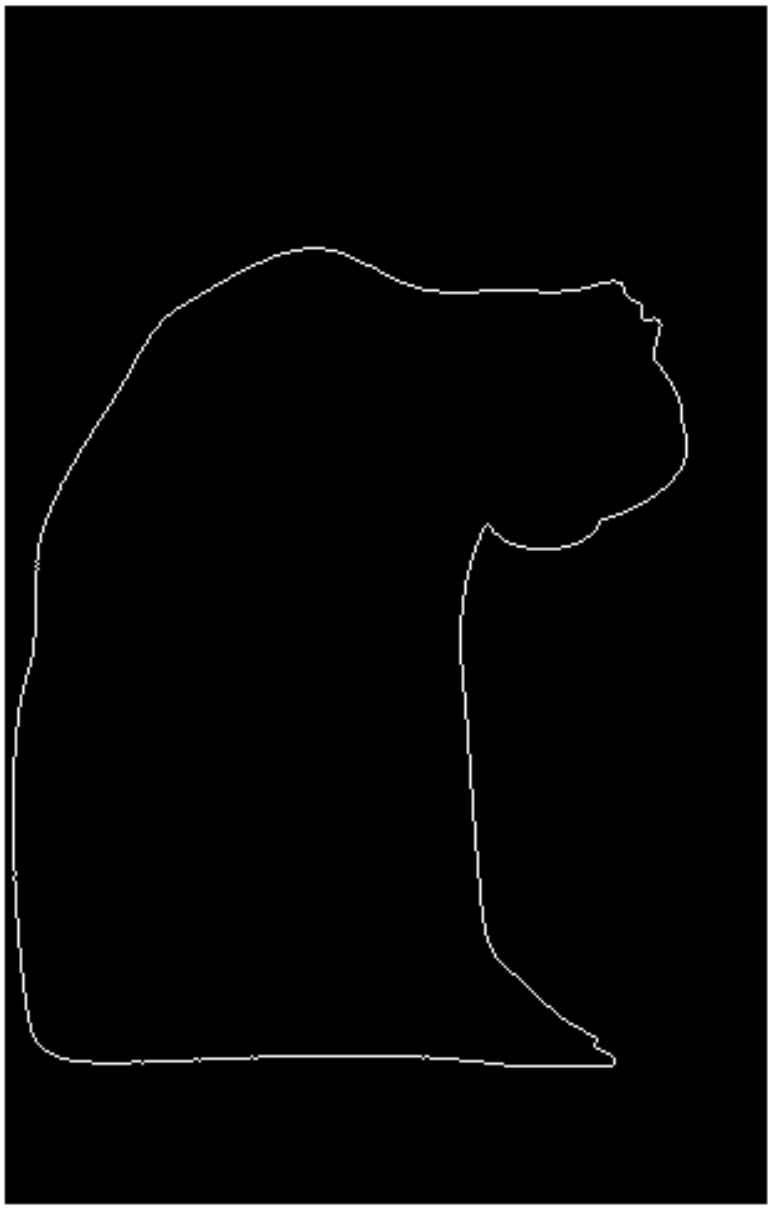
Border



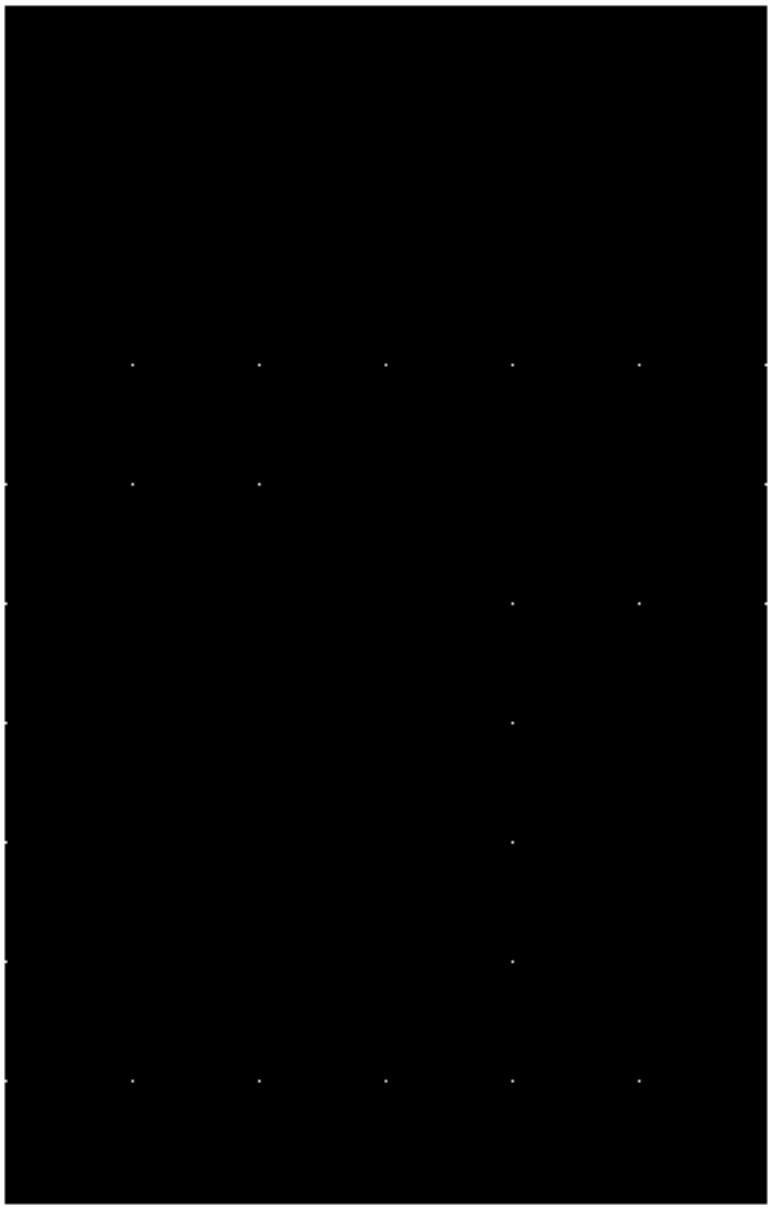
Sampled Border points



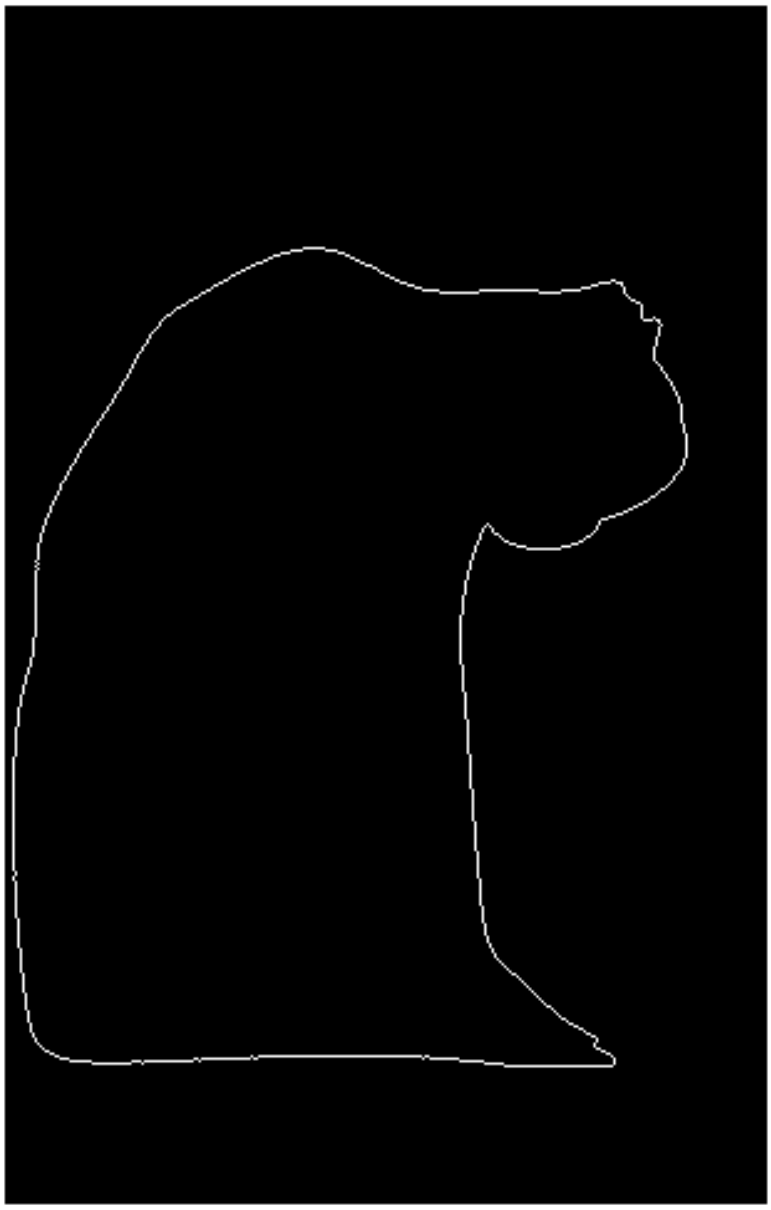
Border



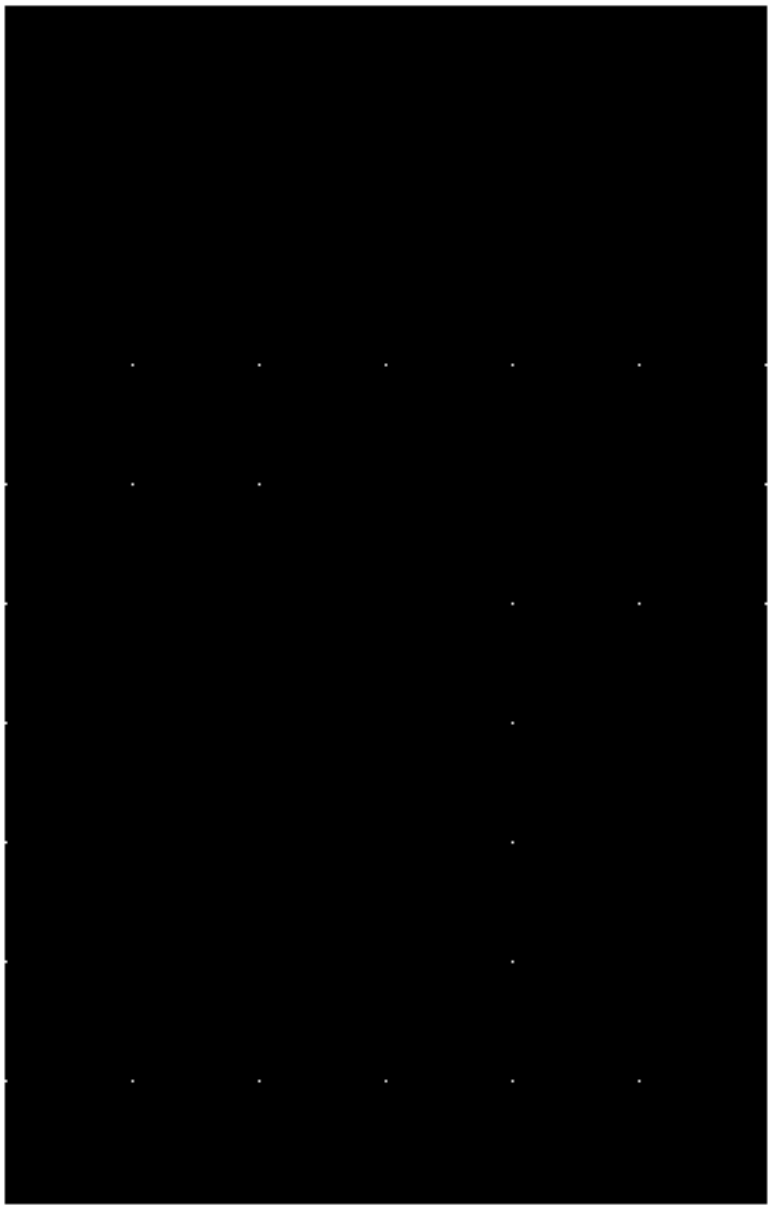
Sampled Border points



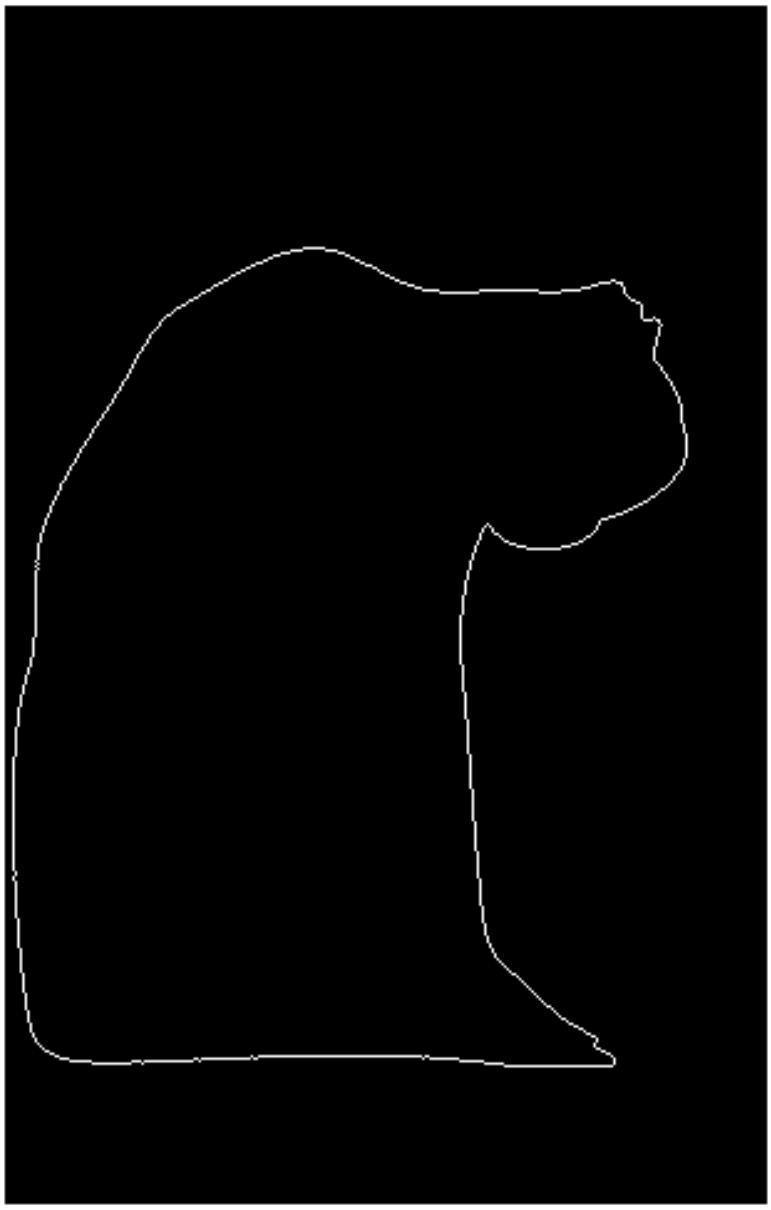
Border

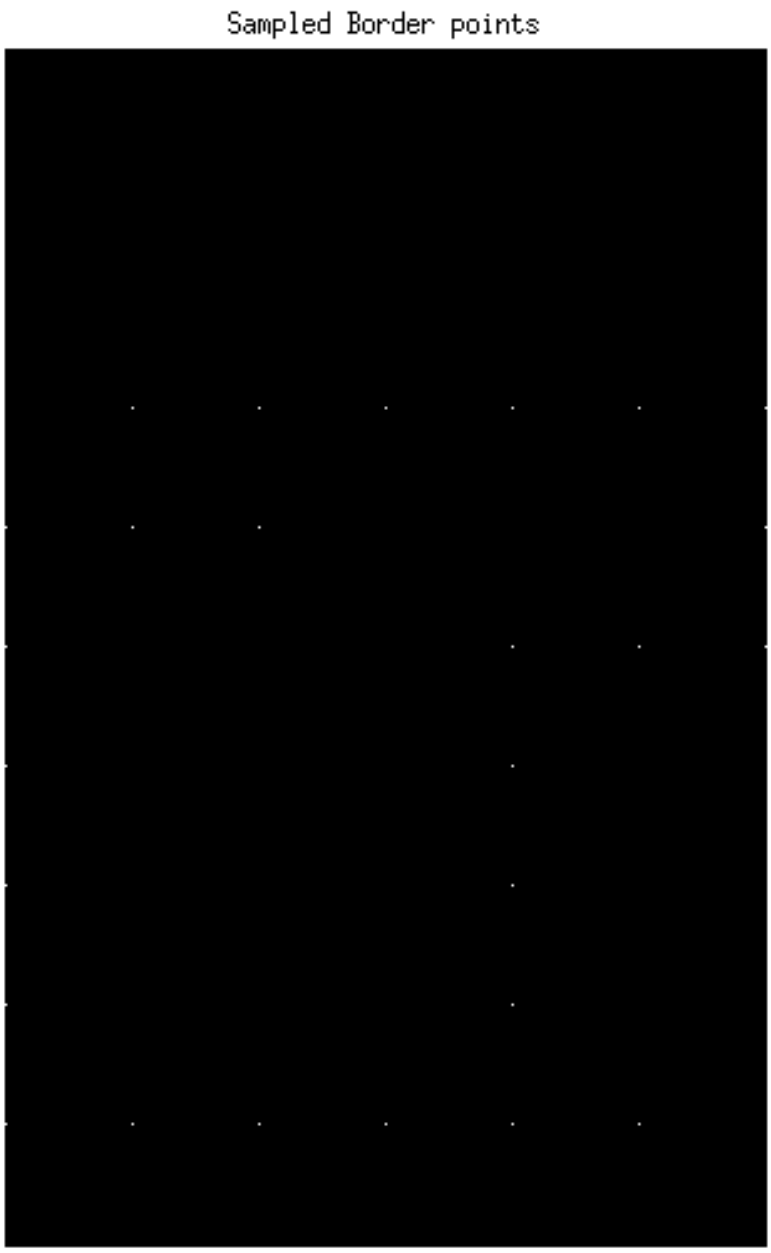


Sampled Border points



Border





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