#include <stdio.h>

#include <iostream>

#include <opencv2/highgui/highgui.hpp>

#include <opencv2/imgproc/imgproc.hpp>

#include <opencv2/core/core.hpp>

using namespace cv;

using namespace std;

int main(){

Mat img(500, 500, CV\_8UC1,Scalar(0));

for(int i=0; i<500; i++){

for(int j=0; j<500; j++){

float s = -3.14/6;

if( i\*cos(s) + j\*sin(s) >200 && i\*cos(s) + j\*sin(s) <200.1 ){

img.at<uchar>(i,j) = 255;

} }}

imshow("img",img);

waitKey(0);

}