I have implemented mid-point line algorithm with different slope. First of all I learnt drawline function, setpixel method, setcolor method. After that I have set pixel for my name’s initial “MV” in notebook. After that I have modified pixels of “O” in “GO” and made outer octagon in “O” alphabet.

The main challenge for me about algorithm implementation is logic of steep slopes.

The pixels of polygon is bellow which is outer lines of alphabet O:

R.drawLine( 393, 340, 515, 340, S );

R.drawLine( 340, 518, 340, 395, S );

R.drawLine( 393, 340, 340, 395, S );

R.drawLine( 511, 560, 390, 560, S );

R.drawLine( 390, 560, 340, 518, S );

R.drawLine( 560, 390, 560, 511, S );

R.drawLine( 560, 511, 511, 560, S );

R.drawLine( 560, 400, 515, 340, S );