```
#!/opt/local/bin/perl
$infile = shift or die "No input file specified.";
$matlabFunctionName = shift or die "No Matlab function name specified.";
open INFILE ,"<$infile" or die "$!";</pre>
my @fields = ();
my $process = 0;
my $command = "";
my \ $x = [];
my \text{ $row = 0;}
while(my $cl = <INFILE>){
   $cl =~ s/(^\s+)|(\s+$)//g;
@fields = split /\s+/, $cl;
   command = fields[-1];
   if($command eq 'newpath'){
       process = 1;
       next;
   if($command eq 'grestore'){
   if($process){
       if($command eq 'moveto'){
          x\to[$row]\to[0] = $fields[0];
          y->[$row]->[0] = $fields[1];
       elsif($command eq 'lineto'){
   $x->[$row]->[1] = $x->[$row]->[0];
          y->[$row]->[1] = $y->[$row]->[0];
          x->[$row]->[2] = $fields[0];
          x->[row]->[3] = fields[0];
          y->[$row]->[2] = $fields[1];
          y->[$row]->[3] = $fields[1];
          $row++;
          #initialize the next row
          x->[$row]->[0] = $x->[$row - 1]->[3];

y->[$row]->[0] = $y->[$row - 1]->[3];
       elsif($command eq 'curveto'){
   $x->[$row]->[1] = $fields[0];
   $y->[$row]->[1] = $fields[1];
          x->[$row]->[2] = $fields[2];
          $y->[$row]->[2] = $fields[3];
          x\to[$row]\to[3] = $fields[4];
          y->[$row]->[3] = $fields[5];
          $row++;
          #initialize the next row
          x->[$row]->[0] = $x->[$row - 1]->[3];
          y->[$row]->[0] = y->[$row - 1]->[3];
       }
   }
#Both arrays will have one extra row due to steps wich initialize
\#the "next\bar{}" row. Note, this assumes that processing doesn't end on a
#moveto.
pop @$x;
pop @$y;
```