

Quiz #1 (CSE4190.410)

September 16, 2015 (Wednesday)

Name: _____ Dept: _____ ID No: _____

1. (10 points) Fill in the blanks in the following PostScript program.

```
/depth 0 def
/maxdepth _____ def (+2)
/down {/depth depth 1 add def} def
/up {/depth depth 1 sub def } def

/DoBox
{gsave
  newpath
  0 0 moveto
  0 72 lineto 72 72 lineto 72 0 lineto
  closepath
  fill
  grestore} def

/FractBoxes
{gsave

  down

  depth maxdepth eq
  {_____} if (+2)

  depth maxdepth le
  {_____ (+2)
  0 0 1 setrgbcolor FractBoxes

  72 0 translate
  1 0 0 setrgbcolor FractBoxes

  _____ (+2)
  _____ (+2)
  0 1 0 setrgbcolor FractBoxes} if

  up
  grestore} def

3 3 scale
7 100 translate
FractBoxes
showpage
```

