1: For (y=1; y<=Height; y++)
2:     For (x=1; x<=Width; x++)
3:          If (x==Foreground)
4:              Procedure1;
5:              x++;
6:          while (x==Foreground)
7:              Procedure2;
8:              x++;
9:          end of while
10:     end of if
11: end of for
12: end of for

(a)

1:     If (q==Foreground)
2:         x=q
3:     else if (s==Foreground)
4:         x=s
5:     if (r==Foreground)
6:         x=r+s
7:     else if (r==Foreground)
8:         x=r
9:     else
10:         x=new label

(b)

1:     x=s
2:     if (q==Background) and (r==Foreground)
3:         x=r+s

(c)