1: If (x==Foreground)
   2:     If (q==Foreground)
   3:         x=q
   4:     else if (s==Foreground)
   5:         x=s
   6:         if (r==Foreground)
   7:               x=r+s
   8:     else if (p==Foreground)
   9:          x=p
  10:          if (r==Foreground)
  11:              x=p+r
  12:     else if (r==Foreground)
  13:          x=r
  14:     else
  15:         x=new label
  16: else
  17:     no action