

```
function [coli] = cltrans(col,coli,s,e)
```

```
    if s==e
```

```
        coli(s,1)=col(s,1);
```

```
    elseif s==e-1
```

```
        coli(s,1)=col(s,1);
```

```
        coli(e,1)=col(e,1);
```

```
    else
```

```
        c=0;
```

```
        for i=s:e
```

```
            if col(i,1)==1
```

```
                c=c+1;
```

```
            end
```

```
        end
```

```
        per=(c*100)/(e-s+1);
```

```
        if per>=70
```

```
    for d=s:e
        coli(d,1)=1;
    end
elseif per<30
    for g=s:e
        coli(g,1)=-1;
    end
else
    z=floor((s+e)/2);
    coli=cltrans(col,coli,s,z);
    coli=cltrans(col,coli,z+1,e);
end
end
end
```