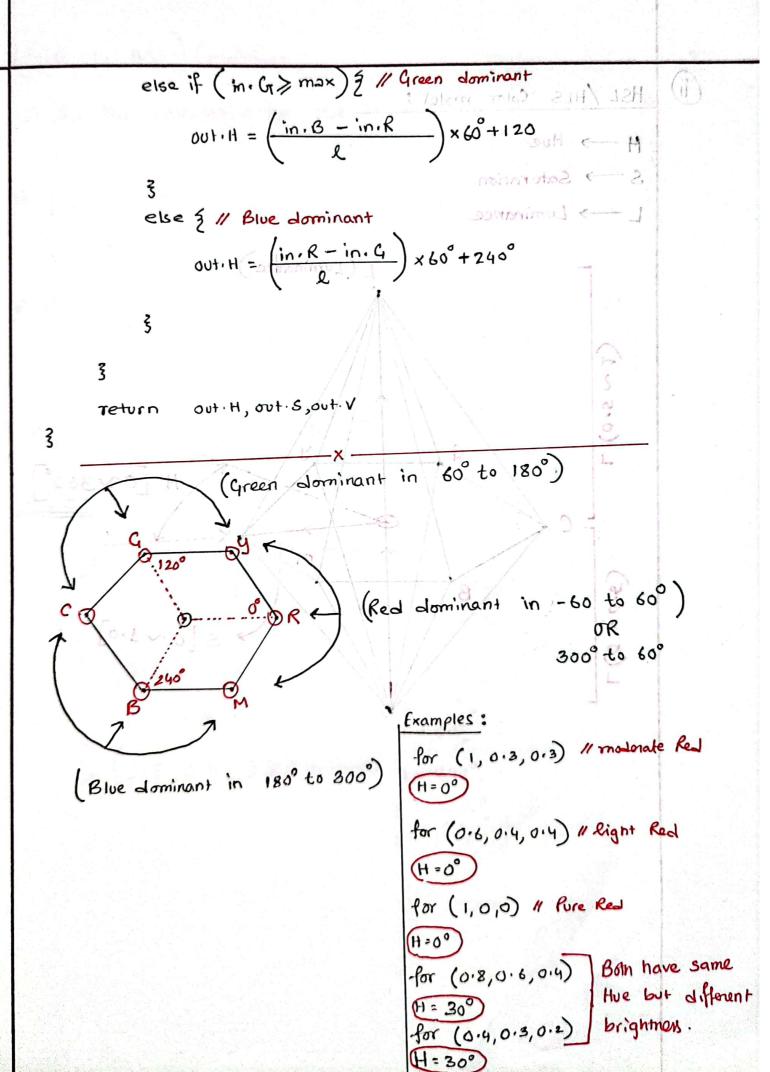
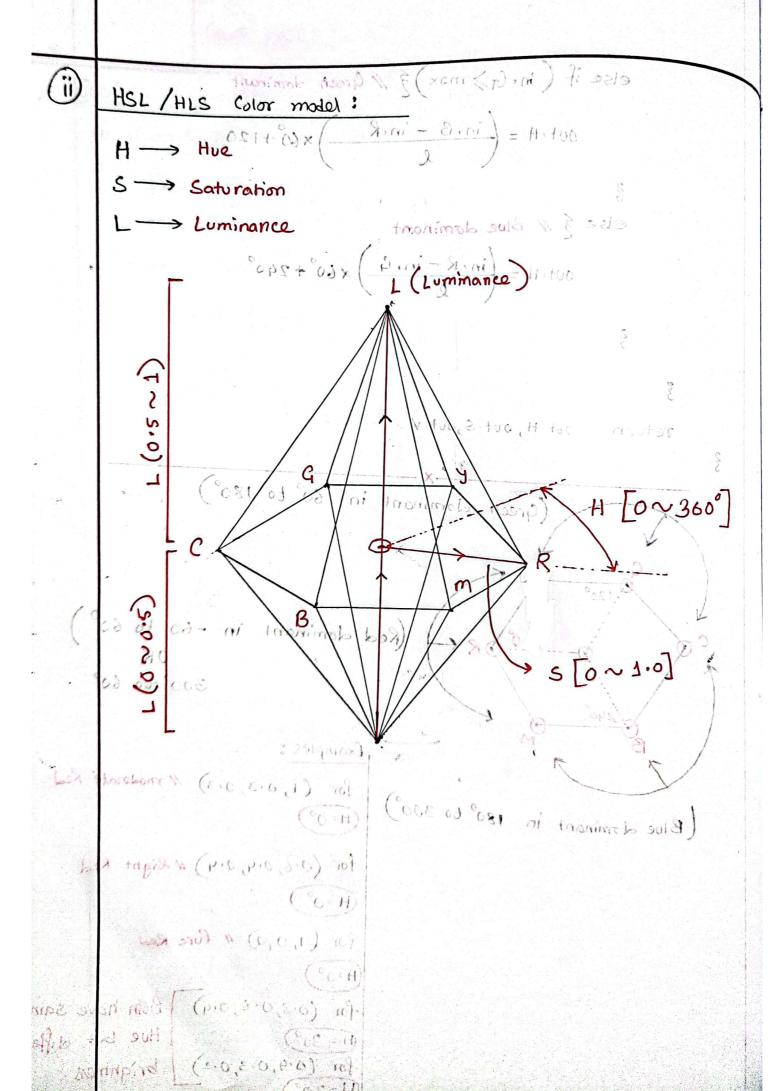
```
RGB_to_HSV (in.R, in.G, in.B) {
      > return values
CODE:
Out. H, out.s, out. V
          max, min, l'of of o
     max = Max (in. R, in. 4, in. B) P (togan
     min = Min (in. R, in. 4, in. B)
   H: 0 to 350° min - xem = clo
                   July 1 5: 0 to 2.0 -
     if (out = 0) & // at V=0, S=0 (black)
         out. S = 0
 1 = misx (R, G, B) -> the value of V fisels real
       out Spilar ent no
     if (out. s == 0) 3
          out. H = Nan Mondefined, Nor a Number
                            max (B, G, B)
     else 3
          if (in, R > max) & // Red dominance, can have -ve/+ve
               out H = (in. G - in. B 12) x60
                if (out H < 0) & 11 if the value is -ve.
                     out . H + = 360
```

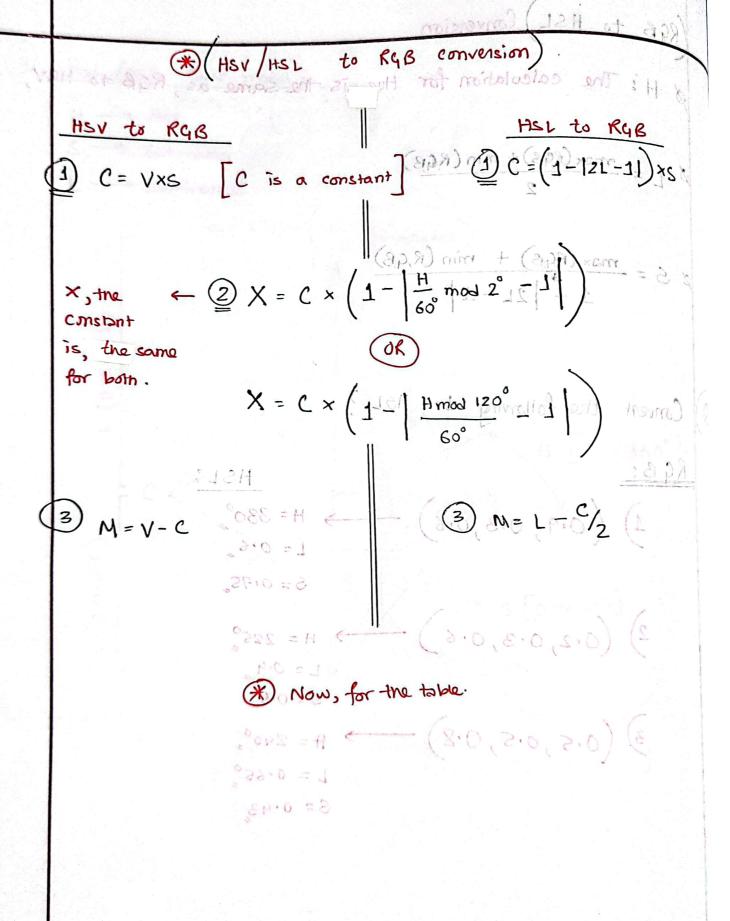
FI) shows month nued





$$\emptyset$$
  $S = \frac{max(RGB) - min(R,GB)}{1 + |2L - 1|}$ 

3) 
$$(0.5, 0.5, 0.8) \longrightarrow H = 240^{\circ}$$
,  
 $L = 0.65^{\circ}$ 



Table

And tron,

Ams R, 9, 8 = (0, 0.8, 0.8

$$X = C \times \left(1 - \left| \frac{\text{H} \text{mod 120}}{60} - 1 \right| \right) = 0.8$$

Ans

AND THOOS

$$HSL = (225^{\circ}, 0.5, 0.4)$$

$$X = C \times \left(1 - \left| \frac{\text{H} \text{mod } 120}{60} - 1 \right| \right) = 0.1$$

$$(R,G,B) = \begin{bmatrix} 0+0.2, 0.1+0.2, 0.4+0.2 \end{bmatrix}$$
$$= \begin{pmatrix} 0.2, 0.3, 0.6 \end{pmatrix} Any$$