

Lect 3 H264

Q: find b h a e. 0-255

Solution $b_1 = E - 5F + 20G + 20H - 5I + J$

$$= 10 - 5 \times 20 + 20 \times 30 + 20 \times 40 \\ - 5 \times 50 + 60 = 1120$$

$$b = (b_1 + 16) \gg 5$$

$$= 1136 \gg 5$$

~~$\text{round}(35.5)$~~ 为什么不是四舍五入?

$= 36$ ~~\times~~ 35 右移位操作: 除以 2
舍弃所有小数

$$h_1 = A - 5C + 20G + 20M - 5R + T$$

$$= 50 - 5 \times 70 + 20 \times 30 + 20 \times 90 - 5 \times 10 + 30$$

$$= 2080$$

$$h = (h_1 + 16) \gg 5$$

$$= 2096 \gg 5$$

$$= \text{round}(65.5) = 66 \times 65$$

$$\begin{aligned}
 a &= (a + b + 1) \gg 1 = (30 + \overset{35}{\cancel{35}} + 1) \gg 1 \\
 &= \cancel{\text{round}}(\overset{33}{\cancel{33.5}}) \\
 &= \overset{33}{\cancel{34}}
 \end{aligned}$$

$$\begin{aligned}
 e &= (b + h + 1) \gg 1 = (\overset{35}{\cancel{35}} + \overset{65}{\cancel{66}} + 1) \gg 1 \\
 &= \cancel{\text{round}}(\overset{50.5}{\cancel{51.5}}) \\
 &= \overset{50}{\cancel{52}}
 \end{aligned}$$