

Lect3 H264 Motion Compensation

Q: b? h? a? e?

Solution

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

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

$$= 1120$$

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

$$= \text{round}(b_1 / 2^5)$$

$$= \text{round}(b_1 / 32)$$

$$= \text{round}(1120 / 32)$$

$$= \text{round}(35)$$

$$= 35$$

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

$$= 2080$$

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

$$= \text{round}(h_1/2^5)$$

$$= \text{round}(h_1/32)$$

$$= \text{round}(65) = 65$$

$$a = (a + b + 1) \gg 1$$

$$= \text{round}(a + b / 2')$$

$$= \text{round}(30 + 35 / 2)$$

$$= \text{round}(32.5)$$

$$= 33$$

$$e = (b + h + 1) \gg 1$$

$$= \text{round}(b + h / 2')$$

$$= \text{round}(35 + 65 / 2)$$

$$= \text{round}(50)$$

$$= 50$$