(1)	a	b	c	1,25	1,25	1,25
(2)	a	b	c	1,25	1,25	1,25
(3)	a	b	c	1,25	1,25	1,25
(4)	a	b	c	1,25	1,25	1,25
(5)	a	b		1,25	1,25	
(6)	a	b		1,25	1,25	

(1) $I_1 = \begin{bmatrix} 0 & 0 & 0 \\ 10 & 21 & 20 \\ 20 & 42 & 40 \end{bmatrix}$ $I_2 = \begin{bmatrix} 50 & 10 & 16 \\ 63 & 1 & 20 \\ 0 & 0 & 0 \end{bmatrix}$

(a) I_1

Spatial Resolution: 3X3 **25%**

$m_{I_1} = \frac{1}{3X3} X (10 + 21 + 20 + 20 + 42 + 40) = 17$ **25%**

$P_{I_1} = \frac{1}{3X3} X (10^2 + 21^2 + 20^2 + 20^2 + 42^2 + 40^2) = 522{,}7$ W **25%**

#bits = 3 X 3 X 6 = 54 bit **25%**

(b) $I_A = I_1$ AND $I_2 = \begin{bmatrix} 0 & 0 & 0 \\ 10 & 1 & 20 \\ 0 & 0 & 0 \end{bmatrix}$ **25%**

$I_B = I_1 \times 0{,}25 = \begin{bmatrix} 0 & 0 & 0 \\ 2{,}5 & 5{,}25 & 5 \\ 5 & 10{,}5 & 10 \end{bmatrix}$ → integer values $\begin{bmatrix} 0 & 0 & 0 \\ 2 & 5 & 5 \\ 5 & 10 & 10 \end{bmatrix}$ **25%**