x =4 , Y =5 , Z=1 I= 4+4 = 4+6 = 5 $L_{x} = \min(X, Y) = 4$ Lz = min (x,z) = 1 J= 1+5 = 3 $L_3 = nin (\gamma, z) = 1$ U1 = mayo (x, y)= 6 K= 13+03 = 1+6 = [7] = 3. $U_z = \text{Wear} (X,Z)^H = 5$ U3 = mass (4,2) = 6 $S_{2} = (U_{1} - L_{1} + 1) \times S_{1} = [6 - 1 + 1] \times 7 = 12$. $S_{3} = (U_{2}) - L_{2} + 1) \times S_{2} = [5 - 1 + 1^{\circ}] \times 12 = 60$. Glunn Major. M [5] [3][3] Column address of (M) + (I-L1) ×51 + (I-L2) ×52 + (K-L3) ×53 = 0+(5/4)4+(3/1) x 12+(3/1) x 60. Major 4 + 24 + 2 × 60 = [148.] Letimen Major Row Major Sz= (03- 23+1) x53= (6- 149) x 4=24 Si = (Uz - Lz+1) x Sz = (5 - 2+1°) x Z4 = 120 address of (12) + (I-L1) ×51 + (J-L2)×52 + (K-L3) ×53

M[5][3][3]

 $= 0 + (5/4) \times 120 + (3/1) \times 24 + (3/1) + 4$ 0 + 120 + 48 + 8 = 176

```
Valores segun el carnet

X = 4

Y = 5

Z = 1

Resumen en limpio de los v
```

Resumen en limpio de los valores obtenidos.

```
L1 = 4

L2 = 1

L3 = 1

U1 = 6

U2 = 5

U3 = 6

I = 5
```

J = 3

K = 3

b) Dirección de M[5][3][3] en Column Major

```
S1 = 4

S2 = 12

S3 = 60

addresof(M) + (I-L1)*S1 + (J-L2)*S2 + (K-L3)*S3

= 0 + (5-4)*4 + (3-1)*12 + (3-1)*60

= 4 + 24 + 120
```

= 148

a) Dirección de M[5][3][3] en Row Major

```
S3 = 4

S2 = 24

S1 = 120

addresof(M) + (I-L1)*S1 + (J-L2)*S2 + (K-L3)*S3

= 0 + (5-4)*120 + (3-1)*24 + (3-1)*4

= 120 + 48 + 8

= 176
```