Matrix chair Multiplication:

```
arr []= [2,1,3,4] \rightarrow Size=n

mat A = \begin{cases} n_1, n_2, & n_1 \\ n_2, & n_2 \\ n_2, & n_2 \\ m \times n \end{cases}

dimension (A) = m × n

dimension (mat (i)) = arr [i-17 × arr [i]

i= L

dim (mat (1)) = arr [o] × arr [i]

= 2×1

mat (2) = 1×3

mat (3] = 3×4
```

```
mat[1] \times mat[2] \times mat[3] = (6mat[1] \times mat[2]) \times mat[3]
(mat[1] \times (mat[2] \times mat[2]))
(mat[1] \times mat[2]) \times (mat[3] \times (mat[4]) - - mat[n]))
a \times b \times c
(mat[1] \times mat[2]) \times (mat[3] \times (mat[4]) - - mat[n]))
a \times b \times c
(mat[1] \times mat[2]) \times (mat[3] \times (mat[4]) - - mat[n]))
a \times b \times c
(mat[1] \times mat[2]) \times (mat[4]) + (xj \times m)
(mat[1] \times mat[2]) \times (mat[4]) - - mat[n])
(mat[1] \times mat[n]) \times (mat[n]) - - mat[n])
(mat[n] \times mat[n]) \times (mat[n]) - - mat[n]
```