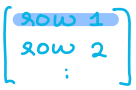
read_matrix 1:

matrix: [ ]

for all rows: row: [ ]

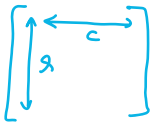
for all columns:

[el1, el2, ...]

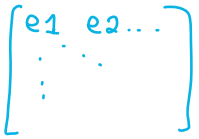


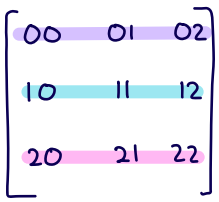
read_matrix 2:

matrix:



for all elements:





i) transposed_matrix: [ ]

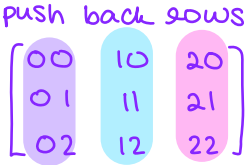
ii) for all cols

row: [ ]

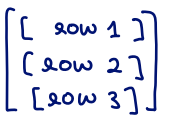
for all rows

go through matrix elements ! other order than read_matrix

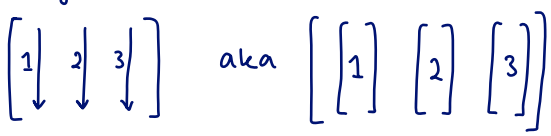
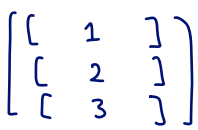
iii) push back rows:



Zusammengefasst:
read_matrix baut so auf:



wir gehen so durch:



Und bauen dann die neue Matrix: