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Latihan soal

Dideklarasikan 2 buah matriks, misalnya M dan MTranspose

• MTranspose menampung hasil transpose dari M

• Ukuran baris M = ukuran kolom MTranspose

• Ukuran kolom M = ukuran baris Mtranspose

• Mtranspose[i][j] = M[j][i]

Jawab

```python
#matriks 4x4 bilangan ganjil
M = [
    [1, 3, 5, 7],
    [9, 11, 13, 15],
    [17, 19, 21, 23],
    [25, 27, 29, 31]
]

#ukuran matriks
brs = len(M)
kol = len(M[0])


#menentukan ukuran dari transpose matriks
brsT = kol
kolT = brs


#membuat matriks transpose dengan asumsi semua nilai nya nol
MT = [[0 for j in range(kolT)] for i in range(brsT)]


#proses transpose
for i in range(brsT):
    for j in range(kolT):
        MT[i][j] = M[j][i]
```

```python
#hasil dari matriks sebelum di transpose
print("Matriks sebelum di Transpose:")
for row in M:
    print(row)



#hasil dari matriks sesudah di tranpose
print("Matriks sesudah di Transpose:")
for row in MT:
    print(row)
```