```
n^{4} \leq c \cdot n^{4}, n \geq n_{0} when c = 1, n_{0} = 0 .: n^{4} \in O(n^{4})

n^{4} \leq c \cdot n^{4}, n \geq n_{0} when c = n^{4-4}, n_{0} = 0 .: n^{4} is the O(n^{4})
```

2. [3]
[3,8]
[5,8,9]
[5,8,9]
[3,8]
[3,8]
[3,8]
[3,8]
[3,8]
[3,7]
[8,7]
[8]

5. For a From 0 to m+1:

time amplexion = O(mxn2)

for j from a to not:

if Alilij1 > Alillrow-max) then row-max = j

correct = 1

for ii from 0 to n+1:

if A[1][] > Alima[] then correct=0 and break

if correct then return Alizziji.

4. b=1, lise:=[], while b <= N: list. append ($\{0,:b\}$, format(b)) b+=1return list

time complexity = 0(N)
space complexity = 0(N)