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class Matrix:
def const(self,n,x):
self.A = []
for i in range(n):
self.A.append([])
for j in range(n):
self.A[i].append(x)
def zeros(self,n):
self.const(n,0)
def printer(self):
for row in self.A:
print row
def set(self,i,j,x):
if len(self.A)>i:
if len(self.A[i])>j:
self.A[i][j] = x
def get(self,i,j):
if len(self.A)>i:
if len(self.A[i])>j:
return self.A[i][j]
else:
return 0
else:
return 0
def __init__(self,n,x):
self.const(n,x)
def __add__(self,other):
new = Matrix(len(self.A),0)
if (len(self.A) == len(other.A)):
for i in range(len(self.A)):
for j in range(len(self.A[i])):
new.A[i][j] = self.A[i][j] + other.A[i][j]
return new
def __mul__(self,other):
len(self.A) n =
new = Matrix(n,0)
for i in range(n):
for j in range(n):
for k in range(n):
new.A[i][j] += self.A[i][k] * other.A[k][j]
return new
matrix = Matrix(6,1)
matrix.printer()
matrix.set(0,0,8)
print "\n"
matrix.printer()
print matrix.get(0,0)
print matrix.get(1,1)
matrix2 = Matrix(6,1)
matrix3 = Matrix(6,2)
matrix3 = matrix2 * matrix3
matrix3.printer()

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