Create a Class called Matrix that owns a row × column two-dimensional array on the freestore. Implement the constructor, destructor, copy constrictor, copy assignment operator for this type.

```
template Cfgpenne T>

Class Matrix (

Pablic:

Matrix (

matrix (

matrix ();

matrix (T) & operator: (

private;

ins rows;

ins color

T ***arr;
```

templake 2 fileme 7?
Matrix (7): Matrix (int 2, int c): row (1), col (c), arr (nullptr) 5 arr: ne~ T*[r]; for Continoi (Croviti) acreil= New 960]; 3 femplace C7, penn 72 templete (typena 7) Matrix CT? : ~ Matrix () Malcix L72: mossix (const mutroc7> 8 rhs) .
row(rhs, row) (col(rhs, col), for (md i zoj i c for j ++i) delute [] arr[i]; arr (n-71ptr) 2 delete[] arrj arrs new 7*[ro]; for Consiso; ic ron ; ori) 3 arreid = new T[al];
for (ml j=0 | j c col j=1);
arreide(j); rls.arreide);

```
femplake Cfgerna T?

Matrix CT?8 Matrix CT?: Operator = (Const Matrix CT? 8 rhs)

if (this == 8 rhs)

return * flis;

Matrix CT? temp (rhs);

statis == P (ror; temp, ton);

statis == P (col; temp, col);

statis == P (col; temp, col);

statis == P (col; temp, col);

Petern * temp, arr);

Malin (ma) ml, ma, ma;

M... & Sometry

mi= ma= ma;
```