```
#include <iostream>
#include <iomanip>
#include <assert.h>
using namespace std;
class SyTensor_t;
class Block_t {
    public:
        Block_t(): Rnum(0), Cnum(0), offset(0){
            //cout<<"Constructing Block...\n";
        }
        Block_t(int _Rnum, int _Cnum, int _offset): Rnum(_Rnum), Cnum(_Cnum), offset
(_offset){
            //cout<<"Constructing Block...\n";
        }
        Block_t(const Block_t& _b): Rnum(_b.Rnum), Cnum(_b.Cnum), offset(_b.offset){
            //cout<<"Copying Block...\n";
        }
        ~Block_t(){
            //cout<<"Destructing Block...\n";
        };
        friend class SyTensor_t;
        friend ostream& operator<< (ostream& os, const Block_t& b);
        friend ostream& operator<< (ostream& os, SyTensor_t& SyT);
    private:
        int Rnum;       //number of rows of the block
        int Cnum;       //number of columns of the block
        int64_t offset; //index of the first element of a block element in Tensor
};
```