

```
#include "esercizio_1.h"

Mat* sommaSudEst(Mat* src){
Mat* out = allocMatrix(src->rows,src->cols);
for(int i=0;i<src->rows;i++){
    for(int j=0;j<src->cols;j++){
        int a=i,b=j;
        if(i==src->rows-1) a=-1;
        if(j==src->cols-1) b=-1;
        out->row_ptrs[i][j] = src->row_ptrs[i][j] + src->row_ptrs[a+1][j] + src->row_ptrs[i][b+1]+ src->row_ptrs[a+1][b+1];
    }
}
return out;

}
```