

1. **#include** "iolib.h"

```
int main (void)
{
    FHANDLE f;
    int cod;
    int n;
    float custo, venda;
    float lucro = 0.0;
    f = fopenreadfile("vendas.txt");
    while (!fisend(f)) {
        cod = freadint(f);
        n = freadint(f);
        custo = freadfloat(f);
        venda = freadfloat(f);
        lucro = lucro + n*(venda-custo);
    }
    fclosefile(f);
    writestring("Lucro = ");
    writefloat(lucro);
    return 0;
}
```

2. **int** max_par (**int** n, **int** v[])

```
{
    int i;
    int max = 0;
    for (i=0; i<n; i++) {
        if ((v[i]%2 == 0) && (v[i]>max)) {
            max = v[i];
        }
    }
    return max;
}
```

3. **void** acumule (**int** n, **float** v[], **float** w[])

```
{
    int i;
    w[0] = v[0];
    for (i=1; i<n; i++) {
        w[i] = w[i-1] + v[i];
    }
}
```

4. **void** soma_linha (**int** m, **float** A[][N], **float** v[])

```
{
    int i, j;
```

```

for (i=0; i<m; i++) {
    v[i] = 0.0;
    for (j=0; j<N; j++) {
        v[i] = v[i] + A[i][j];
    }
}
}

```

5. (a) **int** matriz_positiva (**float** A[][N])

```

{
    int i,j;
    for (i=0; i<N; i++) {
        for (j=0; j<N; j++) {
            if (A[i][j] < 0.0) {
                return 0;
            }
        }
    }
    return 1;
}

```

(b) **void** salva (**float** A[][N])

```

{
    int i,j;
    FHANDLE f = fopenwritefile("matriz.txt");
    for (i=0; i<N; i++) {
        for (j=0; j<N; j++) {
            fwritefloat(f,A[i][j]);
        }
        fnewline(f);
    }
    fclosefile(f);
}

```