```cpp
/**
 * File: es1.cpp
 *       Contains the C++ code to be translated into Assembly (es1.s file).
 *
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 *         Created on 24/08/2019.
 */

#include "cc.h"

cl::cl(char c, st1 & s2)
{
    for (int i = 0; i < 8; i++)
    {
        s.vc[i] = c + i;
    }

    for (int i = 0; i < 4; i++)
    {
        v[i] = s2.vc[i] - s.vc[i];
    }
}

void cl::elab1(st1 s1, st2 & s2)
{
    cl cla('f', s1);

    for (int i = 0; i < 4; i++)
    {
        if (s.vc[i] < s1.vc[i])
        {
            s.vc[i] = cla.s.vc[i];
        }

        if (v[i] < cla.v[i])
        {
            v[i] = cla.v[i] + i;
        }
    }
}
```