

```
int sum (int a, int b)
{
    int x = 0;
    do
    {
        int c = -2; // should stay in the loop
        int d = a + b; // should move out of the loop
        x += c;
        x += d;
        if (x < 0 || c < 8)
            c++;
    }
    while (x < 42);
    return x;
}
```