```c
#include <stdio.h>
#include <stdlib.h>

int main()
{ // begin main
    int   k, new_ans, i=0;
    int   v[] = {2,3,4,5,-1,0,1};
    for ( k=0; k<5; k=k+1 )
    {
        switch (i)
        {
        case 0 :
        case 2 : new_ans = v[k]+v[k+1];
            printf( "k = %d\n", k );
            break;
        case 1 : new_ans=k-1;
            printf( "i = %d\n", i );
            printf( "k = %d\n", k );
        case 3 : new_ans = v[k]-v[k+1];
            printf( "i = %d\n", i );
            break;
        default: new_ans=i;
        }
        printf( "new_ans = %d\n", new_ans );
        i=i+1;

    }
} // end main
```