

As the pointer access is out of order. We should change the argument to an array and map than on a memory such as BRAM.

```
#define N 64
void pointer_arith_quiz(ap_uint<16> d[N]) {
#pragma HLS INTERFACE mode=ap_ctrl_hs port=return
#pragma HLS INTERFACE mode=ap_memory port=d

    ap_uint<16> s = 0;
    for ( int i = 0; i < 31; i++) {
        s += *(d+i+1);
        *(d+i) = s;
    }
}
```