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#include <stdio.h>
#include <emmintrin.h>
#include <sys/time.h>

int main() {

    char x[16];
    char y[16];
    char z[16];
    for(int i=0;i<16;i++)
    {
        x[i]=i;
        y[i]=i;
    }
    /*
    for(int i=0;i<16;i++)
    {
        z[i]=x[i]+y[i];
    }
    */

    __asm__( "MOVDQU (%0),%%XMM0\n"
            "MOVDQU (%1),%%XMM1\n"
            "PADDB %%XMM1,%%XMM0\n"
            "MOVDQU %%XMM0,(%2)\n"
            :: "r"(x), "r"(y), "r"(z): "xmm0", "xmm1");

    for(int i=0;i<16;i++)
    {
        printf(" %d",z[i]);
    }
    printf("\n");

    return 0;
}
```