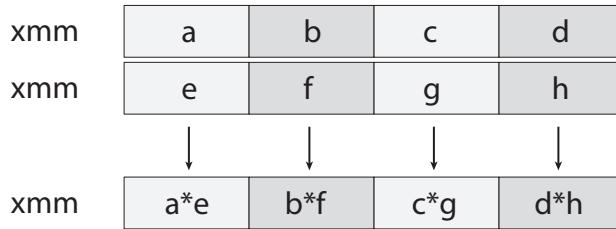


## AVX

xmm	128bit							
xmm	64bit				64bit			
xmm	32bit		32bit					
16	16							
8	8							

2 \* 64 bit - double or qw  
4 \* 32 bit - float or dword  
8 \* 16 bit - word  
16 \* 8 bit - char

## AVX



4 \* 32 bit - float

MULPS  
multiply packed  
single-precision  
floating-point values

## AVX2

ymm	256 bit															
ymm	128 bit								128 bit							
ymm	64 bit															
ymm	32 bit		32 bit													
16	16															
8	8															

4 \* 64 bit - double or qw  
8 \* 32 bit - float or dword

## AVX512

zmm	512 bit															
zmm	256 bit															
zmm	128 bit								128 bit							
zmm	64 bit															
zmm	32 bit		32 bit													
16	16															
8	8															

8 \* 64 bit - double or qw  
16 \* 32 bit - float or dword