a15 a14 a13 a12 a11 a10 a09 a08 a6	97 a06 a05 a04 a03 a02 a01 a00 x	y b15 b14 b13 b12 b11 b10 b09 b08 b07 b06 b05 b04 b03 b02 b01 b00			
x_swiz = _mm512_swizzle_ps(x, _MM_SW	TZ REG CDAR)	y_swiz = _mm512_swizzle_ps(y, _MM_SWIZ_REG_CDAB)			
a14 a15 a12 a13 a10 a11 a08 a09 a6		b14 b15 b12 b13 b10 b11 b08 b09 b06 b07 b04 b05 b02 b03 b00 b01			
x_add =mm512_add_ps(x, x_swiz) a14 a14 a12 a12 a10 a10 a08 a08 a08 a08 a10		y_add =mm512_add_ps(y, y_swiz)  b14 b14 b12 b12 b10 b10 b08 b08 b06 b06 b04 b04 b02 b02 b00 b00 :15 :15 :13 :13 :11 :11 :09 :09 :07 :07 :05 :05 :03 :03 :01 :01			
xy =mm512_mask_blend_ps(0xAAAA, x_add, y_add)         Б14 а14 b12 а12 b10 а10 b08 а08 b06 а06 b04 а04 b02 а02 b00 а00 гот					
x   b14   a14   b12   a12   b10   a10   b08   a08   b6   15   :15   :13   :13   :11   :11   :09   :00		y			
x_swiz = mm512_swizzle_ps(x, MM_SWI b12 a12 b14 a14 b08 a08 b10 a10 b0 :13 :13 :15 :15 :09 :09 :11 :11 :0	04 a04 b06 a06 b00 a00 b02 a02	y_swiz = _mm512_swizzle_ps(y, _MM_SWIZ_REG_BADC)  d12 c12 d14 c14 d08 c08 d10 c10 d04 c04 d06 c06 d00 c00 d02 c02			
$x_add = _mm512_add_ps(x, x_swiz)$ b12   a12   b12   a12   b08   a08   b08   a08   b08 :15   :15   :15   :11   :11   :11   :08		y_add =mm512_add_ps(y, y_swiz)  d12 c12 d12 c12 d08 c08 d08 c08 d04 c04 d04 c04 d00 c00 d00 c00 :15 :15 :15 :15 :11 :11 :11 :07 :07 :07 :07 :03 :03 :03			
	xy = _mm512_mask_blend_ps(0xcccc, x				
СТАДИЯ 2	d12 c12 b12 a12 d08 c08 b08 a08 d :15 :15 :15 :15 :11 :11 :11 :11 :				
		y			
d12 c12 b12 a12 d08 c08 b08 a08 d6 :15 :15 :15 :15 :11 :11 :11 :11 :6		h12       g12       f12       e12       h08       g08       f08       e08       h04       g04       f04       e04       h00       g00       f00       e00         :15       :15       :15       :11       :11       :11       :07       :07       :07       :03       :03       :03       :03			
x_perm = _mm512_purmute4f128_ps(x, _/		y_perm = _mm512_purmute4f128_ps(y, _MM_PERM_CDAB)			
d08     c08     b08     a08     d12     c12     b12     a12     d6       :11     :11     :11     :15     :15     :15     :15     :6		h08       g08       f08       e08       h12       g12       f12       e12       h00       g00       f00       e00       h04       g04       f04       e04         :11       :11       :11       :15       :15       :15       :03       :03       :03       :07       :07       :07       :07			
x_add =mm512_add_ps(x, x_perm)		y_add =mm512_add_ps(y, y_perm)			
d08     c08     b08     a08     d08     c08     b08     a08     d08       :15     :15     :15     :15     :15     :15     :15     :6		h08       g08       f08       e08       h08       g08       f08       e08       h00       g00       f00       e00       h00       g00       f00       e00         :15       :15       :15       :15       :15       :15       :07       :07       :07       :07       :07       :07       :07			
СТАДИЯ З	xy = _mm512_mask_blend_ps(0xF0F0, x h08 g08 f08 e08 d08 c08 b08 a08 h	100 g00 f00 e00 d00 c00 b00 a00			
	:15   :15   :15   :15   :15   :15   :15   :	07   :07   :07   :07   :07   :07   :07   :07     :07     :07     :07			
x h08 g08 f08 e08 d08 c08 b08 a08 h6 :15 :15 :15 :15 :15 :15 :15 :16		y    p08   o08   n08   m08   108   k08   j08   i08   p00   o00   n00   m00   100   k00   j00   i00   i15   :15   :15   :15   :15   :15   :15   :07   :			
(15  (21:   (21:   (21:   (21:   (21:   (21:   (21:	07   .07   .07   .07   .07   .07	115   1			
x_perm = _mm512_purmute4f128_ps(x, _1 h00 g00 f00 e00 d00 c00 b00 a00 h0 :07 :07 :07 :07 :07 :07 :07 :07 :1		y_perm = _mm512_purmute4f128_ps(y, _MM_PERM_BADC)  p00   000   n00   m00   100   k00   j00   i00   p08   008   n08   m08   108   k08   j08   i08   :07   :07   :07   :07   :07   :07   :15			
x_add =mm512_add_ps(x, x_perm) h00 g00 f00 e00 d00 c00 b00 a00 h0 :15 :15 :15 :15 :15 :15 :15 :15		y_add =mm512_add_ps(y, y_perm)			
[,					
xy = _mm512_mask_blend_ps(0xFF00, x_add, y_add)					
СТАДИЯ 4	p00     000     n00     m00     l00     k00     j00     i00     h       :15     :15     :15     :15     :15     :15     :15     :15     :15				