	32 bits				32 bits				
uint32_t* dev_a;	COAL_IDX (0, 0)	COAL_IDX (0, 1)	COAL_IDX (0, 2)	COAL_IDX (0, 3)	uint32_t* dev_b;	COAL_IDX (0, 0)	COAL_IDX (0, 1)	COAL_IDX (0, 2)	COAL_IDX (0, 3)
	COAL_IDX (1, 0)	COAL_IDX (1, 1)	COAL_IDX (1, 2)	COAL_IDX (1, 3)		COAL_IDX (1, 0)	COAL_IDX (1, 1)	COAL_IDX (1, 2)	COAL_IDX (1, 3)
	COAL_IDX (2, 0)	COAL_IDX (2, 1)	COAL_IDX (2, 2)	COAL_IDX (2, 3)		COAL_IDX (2, 0)	COAL_IDX (2, 1)	COAL_IDX (2, 2)	COAL_IDX (2, 3)
	COAL_IDX (3, 0)	COAL_IDX (3, 1)	COAL_IDX (3, 2)	COAL_IDX (3, 3)		COAL_IDX (3, 0)	COAL_IDX (3, 1)	COAL_IDX (3, 2)	COAL_IDX (3, 3)
	COAL_IDX (4, 0)	COAL_IDX (4, 1)	COAL_IDX (4, 2)	COAL_IDX (4, 3)		COAL_IDX (4, 0)	COAL_IDX (4, 1)	COAL_IDX (4, 2)	COAL_IDX (4, 3)