Conditional Code Structures for IJVM

- **if A>=B**

	Code before the conditional	
	ILOAD A	// Push A
	ILOAD B	// Push B
	ISUB	// A-B
	IFLT SKIP	
	Code segment for A>=B	
SKIP:	Code after the conditional	

- **if A<B**

	Code before the conditional	
	ILOAD A	// Push A
	ILOAD B	// Push B
	ISUB	// A-B
	IFLT DO	
	GOTO SKIP	
DO:	Code segment for A<B	
SKIP:	Code after the conditional	

- **if A>=B else A<B**

	Code before the conditional	
	ILOAD A	// Push A
	ILOAD B	// Push B
	ISUB	// A-B
	IFLT DO	
	Code segment for A>=B	
	GOTO SKIP	
DO:	Code segment for A<B	
SKIP:	Code after the conditional	

- **if A = = B**

	Code before the conditional	
	ILOAD A	// Push A
	ILOAD B	// Push B
	IF_ICMPEQ DO	// A = = B
	GOTO SKIP	
DO:	**Code segment for A = = B**	
SKIP:	**Code after the conditional**	

- **if A != B**

	Code before the conditional	
	ILOAD A	// Push A
	ILOAD B	// Push B
	IF_ICMPEQ SKIP	// A = = B
DO:	**Code segment for A != B**	
SKIP:	**Code after the conditional**	