

Symbols for Preference Relations

		Unicode			
Relation		Hex	Dec	Name	L ^A T _E X
Strict Preference	\succ	U+227b	8827	SUCCEEDS	<code>\succ</code>
	P	U+0050	87	LATIN CAPITAL LETTER P	P
	$>$	U+003e	62	GREATER-THAN SIGN	<code>\textgreater</code>
Weak Preference	\succcurlyeq	U+227d	8829	SUCCEEDS OR EQUAL TO	<code>\succcurlyeq</code>
	\succsim	U+227f	8831	SUCCEEDS OR EQUIVALENT TO	<code>\succsim</code>
	\succeq	U+2ab0	10928	SUCCEEDS ABOVE SINGLE-LINE EQUALS SIGN	<code>\succeq</code>
	W	U+0057	87	LATIN CAPITAL LETTER W	W
	\geq	U+2265	8805	GREATER-THAN OR EQUAL TO	<code>\geq</code>
Non Inverse Preference	\nprec	U+2280	8832	DOES NOT PRECEDE	<code>\nprec</code>
Indifference	\sim	U+223c	8764	TILDE OPERATOR	<code>\sim</code>
	I	U+0049	73	LATIN CAPITAL LETTER I	I
	\doteq	U+2250	8784	APPROACHES THE LIMIT	<code>\topdoteq</code>
Non Indifference	\nsim	U+2241	8769	NOT TILDE	<code>\nsim</code>
	\smile	U+223d	8765	REVERSED TILDE	<code>\backsim</code>
Non Preference	\nsucc	U+2281	8833	DOES NOT SUCCEED	<code>\nsucc</code>
Inverse Weak Preference	\leq	U+2264	8804	LESS-THAN OR EQUAL TO	<code>\leq</code>
	\preceq	U+2aaf	10927	PRECEDES ABOVE SINGLE-LINE EQUALS SIGN	<code>\preceq</code>
	\precsim	U+227e	8830	PRECEDES OR EQUIVALENT TO	<code>\precsim</code>
	\preccurlyeq	U+227c	8828	PRECEDES OR EQUAL TO	<code>\preccurlyeq</code>
Inverse Strict Preference	$<$	U+003c	60	LESS-THAN SIGN	<code>\textless</code>
	\prec	U+227a	8826	PRECEDES	<code>\prec</code>

The symbols ‘P’, ‘I’, and ‘W’ have become less common.

The symbols ‘>’, ‘ \geq ’, ‘ \doteq ’, and ‘ \leq ’ are found in Savage and some other works from before such time as ‘>’ and so forth were readily available. As ‘>’, ‘ \geq ’, and ‘ \leq ’ normally stand for arithmetic relations, they should not now be used for preference relations. (Those who now-a-days use them for general ordering relations are attempting to make their subject seem more challenging than it is, by making the presentation as such more challenging than it need be.)