Supplemental Arrows-B

Range: 2900-297F

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard. Version 12.1*

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See http://www.unicode.org/charts/ for access to a complete list of the latest character code charts.

See http://www.unicode.org/charts/PDF/Unicode-12.1/ for charts showing only the characters added in Unicode 12.1.

See http://www.unicode.org/Public/12.1.0/charts/ for a complete archived file of character code charts for Unicode 12.1.

Disclaimer

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 12.1 but do not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete understanding of the use of the characters contained in this file, please consult the appropriate sections of The Unicode Standard, Version 12.1, online at http://www.unicode.org/versions/Unicode12.1.0/, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, #44, #45, and #50, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.

See http://www.unicode.org/ucd/ and http://www.unicode.org/reports/

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

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See http://www.unicode.org/charts/fonts.html for a list.

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See http://www.unicode.org/pending/pending.html and http://www.unicode.org/alloc/Pipeline.html.

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	290	291	292	293	294	295	296	297
0		> >>	2920	2930	2940	2950	1 2960	2970
1	- >> 2901	2911	2921	2931	2941	2951	T	= →
2	2902	7	2922	2932		2952	2962	<u>~</u> →
3	2903	<u>↓</u> 2913	2923	2933	← 2943	2953	11 2963	← 2973
4	2904	2914	2924	 2934	→ 2944		2964	~ →
5	2905	> > 2915	2925	2935	+ 2945	2955	2965	≈ 2975
6	2906	>	2926	2936	+ 2946	2956	2966	₹
7	2907	> 1>>	2927	2937	**	2957	2967	← 2977
8	‡ 2908	> >> 2918	2928) 2938	←→ 2948	<u>T</u>	2968	→ 2978
9	‡	2919	2929	(2949	<u></u>	2969	→ 2979
Α	1 1 290A	>— 291A	292A	293A	294A	295A	∠ 296A	←
В	₩ 290B	─	292B	9 38	294B	295B	296B	→ 297B
С	← − 290C	≫ — 291C	292C	293C	294C		296C	{ —
D	-→ 290D	◆ ← 291D	292D	293D	1 294D	7 295D	296D	→
E	← 290E	→ ◆ 291E	292E	293E	294E	295E	1 296E	T 297E
F	> 290F	◆ ← 291F	292F	993F	294F	295F	296F	J 297F

Miscellaneous arrows			2917	//>	RIGHTWARDS TWO-HEADED ARROW WITH	
2900	+>>	RIGHTWARDS TWO-HEADED ARROW WITH			TAIL WITH VERTICAL STROKE	
		VERTICAL STROKE			= z notation surjective injection → 2B3C ✓ leftwards two-headed arrow with tail	
		= z notation partial surjection			with vertical stroke	
		→ 2B34 ← leftwards two-headed arrow with vertical stroke	2918	/ ≫	RIGHTWARDS TWO-HEADED ARROW WITH	
2901	- >>	RIGHTWARDS TWO-HEADED ARROW WITH			TAIL WITH DOUBLE VERTICAL STROKE	
		DOUBLE VERTICAL STROKE			= z notation finite surjective injection → 2B3D	
		= z notation finite surjection			with double vertical stroke	
		→ 2B35	Arrov	v tail		
2902	#	LEFTWARDS DOUBLE ARROW WITH VERTICAL	2919		LEFTWARDS ARROW-TAIL	
		STROKE	291A	<u>`</u>		
2903	*	RIGHTWARDS DOUBLE ARROW WITH VERTICAL STROKE	291B		LEFTWARDS DOUBLE ARROW-TAIL	
2904	#	LEFT RIGHT DOUBLE ARROW WITH VERTICAL	291C	>	RIGHTWARDS DOUBLE ARROW-TAIL	
2001	417	STROKE	Misce	Miscellaneous arrows		
2905	₩	RIGHTWARDS TWO-HEADED ARROW FROM		•←	LEFTWARDS ARROW TO BLACK DIAMOND	
		BAR	291E	→•	RIGHTWARDS ARROW TO BLACK DIAMOND	
		= maps to → 2B36 ← leftwards two-headed arrow from bar	291F	•↔	LEFTWARDS ARROW FROM BAR TO BLACK	
2906	₩	LEFTWARDS DOUBLE ARROW FROM BAR	2920	→•	DIAMOND RIGHTWARDS ARROW FROM BAR TO BLACK	
		= maps from	2320	→•	DIAMOND	
		→ 27FB ← long leftwards arrow from bar	2921	\	NORTH WEST AND SOUTH EAST ARROW	
2907	\Rightarrow	RIGHTWARDS DOUBLE ARROW FROM BAR	2922	1	NORTH EAST AND SOUTH WEST ARROW	
		= maps to → 27FC → long rightwards arrow from bar	2923	5	NORTH WEST ARROW WITH HOOK	
2908	ŧ	DOWNWARDS ARROW WITH HORIZONTAL	2924	7	NORTH EAST ARROW WITH HOOK	
2000	*	STROKE	2925	Ž	SOUTH EAST ARROW WITH HOOK	
2909	‡	UPWARDS ARROW WITH HORIZONTAL STROKE	2926	2	SOUTH WEST ARROW WITH HOOK	
290A	⇑	UPWARDS TRIPLE ARROW		_	arrows for knot theory	
		→ 21D1 ↑ upwards double arrow → 27F0 ↑ upwards quadruple arrow	2927	X	NORTH WEST ARROW AND NORTH EAST ARROW	
290B	₩	DOWNWARDS TRIPLE ARROW	2928	X	NORTH EAST ARROW AND SOUTH EAST	
	•	→ 21D3 \$\psi\$ downwards double arrow		′ -	ARROW	
		\rightarrow 27F1 \Downarrow downwards quadruple arrow	2929	X	SOUTH EAST ARROW AND SOUTH WEST	
290C	←-	LEFTWARDS DOUBLE DASH ARROW	292A	×	ARROW SOUTH WEST ARROW AND NORTH WEST	
290D 290E	- →	RIGHTWARDS DOUBLE DASH ARROW LEFTWARDS TRIPLE DASH ARROW	LULI	K \	ARROW	
290E 290F	←	RIGHTWARDS TRIPLE DASH ARROW	292B	X	RISING DIAGONAL CROSSING FALLING	
2910	> »	RIGHTWARDS TWO-HEADED TRIPLE DASH	0000		DIAGONAL	
		ARROW	292C	X	FALLING DIAGONAL CROSSING RISING DIAGONAL	
		→ 2B37 «-< leftwards two-headed triple dash			→ 26CC X crossing lanes	
2911	>	arrow RIGHTWARDS ARROW WITH DOTTED STEM	292D	X	SOUTH EAST ARROW CROSSING NORTH EAST	
2011		→ 2B38 ← leftwards arrow with dotted stem	000		ARROW	
2912	T	UPWARDS ARROW TO BAR	292E	X	NORTH EAST ARROW CROSSING SOUTH EAST ARROW	
2913	\downarrow	DOWNWARDS ARROW TO BAR	292F	X	FALLING DIAGONAL CROSSING NORTH EAST	
2914	→→	RIGHTWARDS ARROW WITH TAIL WITH VERTICAL STROKE			ARROW	
		= z notation partial injection	2930	X	RISING DIAGONAL CROSSING SOUTH EAST ARROW	
		→ 2B39 ← leftwards arrow with tail with vertical	2931	X	NORTH EAST ARROW CROSSING NORTH WEST	
0045		stroke	2001	^	ARROW	
2915	/ >	RIGHTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE	2932	X		
		= z notation finite injection			ARROW	
		ightarrow 2B3A $ ightharpoonup$ leftwards arrow with tail with double			eous curved arrows	
0046		vertical stroke	2933	\rightarrow	WAVE ARROW POINTING DIRECTLY RIGHT	
2916	>→	RIGHTWARDS TWO-HEADED ARROW WITH TAIL			→ 219D ~ rightwards wave arrow	
		= bijective mapping	2934	♪	→ 2B3F ← wave arrow pointing directly left ARROW POINTING RIGHTWARDS THEN	
		= z notation bijection	2007	ر	CURVING UPWARDS	
		→ 2B3B «< leftwards two-headed arrow with tail	2935	\rightarrow	ARROW POINTING RIGHTWARDS THEN	
					CURVING DOWNWARDS	

2936	Ų	ARROW POINTING DOWNWARDS THEN CURVING LEFTWARDS	295D	Ţ	DOWNWARDS HARPOON WITH BARB RIGHT FROM BAR
2937	4	ARROW POINTING DOWNWARDS THEN CURVING RIGHTWARDS	295E	\vdash	LEFTWARDS HARPOON WITH BARB DOWN FROM BAR
2938 2939)	RIGHT-SIDE ARC CLOCKWISE ARROW LEFT-SIDE ARC ANTICLOCKWISE ARROW	295F	\vdash	RIGHTWARDS HARPOON WITH BARB DOWN FROM BAR
2939 293A	(TOP ARC ANTICLOCKWISE ARROW	2960	1	UPWARDS HARPOON WITH BARB LEFT FROM
293B	٠,	BOTTOM ARC ANTICLOCKWISE ARROW			BAR
293C	<u></u>	TOP ARC CLOCKWISE ARROW WITH MINUS	2961	1	DOWNWARDS HARPOON WITH BARB LEFT
293D	F	TOP ARC ANTICLOCKWISE ARROW WITH PLUS			FROM BAR
293E	k)	LOWER RIGHT SEMICIRCULAR CLOCKWISE	Paire	d ha	rpoons
	,0	ARROW	2962		LEFTWARDS HARPOON WITH BARB UP ABOVE
293F	G	LOWER LEFT SEMICIRCULAR ANTICLOCKWISE ARROW	2963	11	LEFTWARDS HARPOON WITH BARB DOWN UPWARDS HARPOON WITH BARB LEFT BESIDE
2940	Ó	ANTICLOCKWISE CLOSED CIRCLE ARROW	2964		UPWARDS HARPOON WITH BARB RIGHT
2941	Ò	→ 20DA © combining anticlockwise ring overlay CLOCKWISE CLOSED CIRCLE ARROW	2904	\Rightarrow	RIGHTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB
2541	O	→ 20D9 © combining clockwise ring overlay			DOWN
Ликоз		mbined with operators	2965	1	DOWNWARDS HARPOON WITH BARB LEFT
					BESIDE DOWNWARDS HARPOON WITH BARB
2942	↔	RIGHTWARDS ARROW ABOVE SHORT LEFTWARDS ARROW	2000	,	RIGHT
2943	←	LEFTWARDS ARROW ABOVE SHORT	2966	$\stackrel{\smile}{=}$	LEFTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB UP
		RIGHTWARDS ARROW	2967	=	LEFTWARDS HARPOON WITH BARB DOWN
2944	$\stackrel{\Rightarrow}{\leftarrow}$	SHORT RIGHTWARDS ARROW ABOVE LEFTWARDS ARROW			ABOVE RIGHTWARDS HARPOON WITH BARB DOWN
2945	\rightarrow	RIGHTWARDS ARROW WITH PLUS BELOW	2968	=	RIGHTWARDS HARPOON WITH BARB UP
2946	←+	LEFTWARDS ARROW WITH PLUS BELOW			ABOVE LEFTWARDS HARPOON WITH BARB UP
2947	*	RIGHTWARDS ARROW THROUGH X	2969	\rightleftharpoons	RIGHTWARDS HARPOON WITH BARB DOWN
		\rightarrow 2B3E \leftrightarrow leftwards arrow through x			ABOVE LEFTWARDS HARPOON WITH BARB DOWN
2948	↔	LEFT RIGHT ARROW THROUGH SMALL CIRCLE	296A	_	LEFTWARDS HARPOON WITH BARB UP ABOVE
2949		UPWARDS TWO-HEADED ARROW FROM SMALL CIRCLE	2307	_	LONG DASH
			296B	=	LEFTWARDS HARPOON WITH BARB DOWN
		arbed harpoons			BELOW LONG DASH
294A		LEFT BARB UP RIGHT BARB DOWN HARPOON	296C	\Rightarrow	RIGHTWARDS HARPOON WITH BARB UP
294B 294C	, -	LEFT BARB DOWN RIGHT BARB UP HARPOON	296D	_	ABOVE LONG DASH RIGHTWARDS HARPOON WITH BARB DOWN
294C 294D	\$ 1	UP BARB RIGHT DOWN BARB LEFT HARPOON UP BARB LEFT DOWN BARB RIGHT HARPOON	2300	$\overline{}$	BELOW LONG DASH
294E	ا -	LEFT BARB UP RIGHT BARB UP HARPOON	296E	11	UPWARDS HARPOON WITH BARB LEFT BESIDE
294F	t	UP BARB RIGHT DOWN BARB RIGHT HARPOON		.,	DOWNWARDS HARPOON WITH BARB RIGHT
2950	,	LEFT BARB DOWN RIGHT BARB DOWN	296F	11	DOWNWARDS HARPOON WITH BARB LEFT
		HARPOON			BESIDE UPWARDS HARPOON WITH BARB RIGHT
2951	1	UP BARB LEFT DOWN BARB LEFT HARPOON			
Modi	fied	harpoons			eous arrow
2952		LEFTWARDS HARPOON WITH BARB UP TO BAR	2970	$\overline{}$	RIGHT DOUBLE ARROW WITH ROUNDED HEAD
2953		RIGHTWARDS HARPOON WITH BARB UP TO			→ 2283 ⊃ superset of
		BAR	Arrov	vs co	mbined with relations
2954	7	UPWARDS HARPOON WITH BARB RIGHT TO	2971	\Longrightarrow	EQUALS SIGN ABOVE RIGHTWARDS ARROW
2955	l	BAR DOWNWARDS HARPOON WITH BARB RIGHT	0070		→ 2B40 ← equals sign above leftwards arrow
2333	ŀ	TO BAR	2972	$\stackrel{\sim}{\longrightarrow}$	TILDE OPERATOR ABOVE RIGHTWARDS ARROW
2956	⊬	LEFTWARDS HARPOON WITH BARB DOWN TO BAR			→ 2B41 ← reverse tilde operator above leftwards arrow
2957	→ I	RIGHTWARDS HARPOON WITH BARB DOWN TO BAR	2973	←	LEFTWARDS ARROW ABOVE TILDE OPERATOR
2958	7	UPWARDS HARPOON WITH BARB LEFT TO BAR			→ 2B4C ⇒ rightwards arrow above reverse tilde
2959	1	DOWNWARDS HARPOON WITH BARB LEFT TO	2974	\Rightarrow	operator RIGHTWARDS ARROW ABOVE TILDE
	7	BAR	-011	~′	OPERATOR
295A	\leftarrow	LEFTWARDS HARPOON WITH BARB UP FROM			→ 2B4B ← leftwards arrow above reverse tilde
0055		BAR	0075		operator
295B	<u> </u>	RIGHTWARDS HARPOON WITH BARB UP FROM BAR	2975	≈	RIGHTWARDS ARROW ABOVE ALMOST EQUAL TO
295C	1	UPWARDS HARPOON WITH BARB RIGHT FROM			→ 2B42 ← leftwards arrow above reverse almost
	-	BAR			equal to

Fish tails

297C ← LEFT FISH TAIL
297D → RIGHT FISH TAIL
297E ↑ UP FISH TAIL
297F ↓ DOWN FISH TAIL