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 5.0.

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See http://www.unicode.org/errata/ for an up-to-date list of errata.

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-5.0/ for charts showing only the characters added in Unicode 5.0.
See http://www.unicode.org/Public/5.0.0/charts/ for a complete archived file of character code charts for Unicode 5.0.

Disclaimer

These charts are provided as the on-line reference to the character contents of the Unicode Standard, Version 5.0 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 5.0 (ISBN 0-321-48091-0), online at http://www.unicode.org/versions/Unicode5.0.0/, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, and #34, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available on-line.

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.

	290	291	292	293	294	295	296	297
0	⇸ 2900	⤐ 2910	↦ 2920	⤰ 2930	⥀ 2940	⥐ 2950	⥠ 2960	⥰ 2970
1	⇻ 2901	⤑ 2911	⤡ 2921	⤱ 2931	⥁ 2941	⥑ 2951	⥡ 2961	⥱ 2971
2	⇼ 2902	⤒ 2912	⤢ 2922	⤲ 2932	⥂ 2942	⥒ 2952	⥢ 2962	⥲ 2972
3	⇾ 2903	⤓ 2913	⤣ 2923	⤳ 2933	⥃ 2943	⥓ 2953	⥣ 2963	⥳ 2973
4	⇿ 2904	⤔ 2914	⤤ 2924	⤴ 2934	⥄ 2944	⥔ 2954	⥤ 2964	⥴ 2974
5	↣ 2905	⤕ 2915	⤥ 2925	⤵ 2935	⥅ 2945	⥕ 2955	⥥ 2965	⥵ 2975
6	⇋ 2906	⤖ 2916	⤦ 2926	⤶ 2936	⥆ 2946	⥖ 2956	⥦ 2966	⥶ 2976
7	⇒ 2907	⤗ 2917	⤧ 2927	⤷ 2937	⥇ 2947	⥗ 2957	⥧ 2967	⥷ 2977
8	↕ 2908	⤘ 2918	⤨ 2928	⤸ 2938	⥈ 2948	⥘ 2958	⥨ 2968	⥸ 2978
9	↨ 2909	⤙ 2919	⤩ 2929	⤹ 2939	⥉ 2949	⥙ 2959	⥩ 2969	⥹ 2979
A	⟰ 290A	⤚ 291A	⤪ 292A	⤺ 293A	⥊ 294A	⥚ 295A	⥪ 296A	⥺ 297A
B	⟱ 290B	⤛ 291B	⤫ 292B	⤻ 293B	⥋ 294B	⥛ 295B	⥫ 296B	⥻ 297B
C	⟵ 290C	⤜ 291C	⤬ 292C	⤼ 293C	⥌ 294C	⥜ 295C	⥬ 296C	⥼ 297C
D	⟶ 290D	⤝ 291D	⤭ 292D	⤽ 293D	⥍ 294D	⥝ 295D	⥭ 296D	⥽ 297D
E	⟻ 290E	⤞ 291E	⤮ 292E	⤾ 293E	⥎ 294E	⥞ 295E	⥮ 296E	⥾ 297E
F	⟼ 290F	⤟ 291F	⤯ 292F	⤿ 293F	⥏ 294F	⥟ 295F	⥯ 296F	⥿ 297F

Miscellaneous arrows

2900	⤀	RIGHTWARDS TWO-HEADED ARROW WITH VERTICAL STROKE
		= z notation partial surjection
2901	⤁	RIGHTWARDS TWO-HEADED ARROW WITH DOUBLE VERTICAL STROKE
		= z notation finite surjection
2902	⤂	LEFTWARDS DOUBLE ARROW WITH VERTICAL STROKE
2903	⤃	RIGHTWARDS DOUBLE ARROW WITH VERTICAL STROKE
2904	⤄	LEFT RIGHT DOUBLE ARROW WITH VERTICAL STROKE
2905	⤅	RIGHTWARDS TWO-HEADED ARROW FROM BAR
		= maps to
2906	⤆	LEFTWARDS DOUBLE ARROW FROM BAR
		= maps from
		→ 27FB ⟻ long leftwards arrow from bar
2907	⤇	RIGHTWARDS DOUBLE ARROW FROM BAR
		= maps to
		→ 27FC ⟼ long rightwards arrow from bar
2908	↧	DOWNWARDS ARROW WITH HORIZONTAL STROKE
2909	↥	UPWARDS ARROW WITH HORIZONTAL STROKE
290A	⤊	UPWARDS TRIPLE ARROW
		→ 21D1 ⇑ upwards double arrow
		→ 27F0 ⟰ upwards quadruple arrow
290B	⤋	DOWNWARDS TRIPLE ARROW
		→ 21D3 ⇓ downwards double arrow
		→ 27F1 ⟱ downwards quadruple arrow
290C	⤌	LEFTWARDS DOUBLE DASH ARROW
290D	⤍	RIGHTWARDS DOUBLE DASH ARROW
290E	⤎	LEFTWARDS TRIPLE DASH ARROW
290F	⤏	RIGHTWARDS TRIPLE DASH ARROW
2910	⤐	RIGHTWARDS TWO-HEADED TRIPLE DASH ARROW
2911	⤑	RIGHTWARDS ARROW WITH DOTTED STEM
2912	⤒	UPWARDS ARROW TO BAR
2913	⤓	DOWNWARDS ARROW TO BAR
2914	⤔	RIGHTWARDS ARROW WITH TAIL WITH VERTICAL STROKE
		= z notation partial injection
2915	⤕	RIGHTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE
		= z notation finite injection
2916	⤖	RIGHTWARDS TWO-HEADED ARROW WITH TAIL
		= bijective mapping
		= z notation bijection
2917	⤗	RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH VERTICAL STROKE
		= z notation surjective injection
2918	⤘	RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE
		= z notation finite surjective injection

Arrow tails

2919	⤙	LEFTWARDS ARROW-TAIL
291A	⤚	RIGHTWARDS ARROW-TAIL
291B	⤛	LEFTWARDS DOUBLE ARROW-TAIL
291C	⤜	RIGHTWARDS DOUBLE ARROW-TAIL

Miscellaneous arrows

291D	⤝	LEFTWARDS ARROW TO BLACK DIAMOND
291E	⤞	RIGHTWARDS ARROW TO BLACK DIAMOND
291F	⤟	LEFTWARDS ARROW FROM BAR TO BLACK DIAMOND
2920	⤠	RIGHTWARDS ARROW FROM BAR TO BLACK DIAMOND
2921	⤡	NORTH WEST AND SOUTH EAST ARROW
2922	⤢	NORTH EAST AND SOUTH WEST ARROW
2923	⤣	NORTH WEST ARROW WITH HOOK
2924	⤤	NORTH EAST ARROW WITH HOOK
2925	⤥	SOUTH EAST ARROW WITH HOOK
2926	⤦	SOUTH WEST ARROW WITH HOOK

Crossing arrows for knot theory

2927	⤧	NORTH WEST ARROW AND NORTH EAST ARROW
2928	⤨	NORTH EAST ARROW AND SOUTH EAST ARROW
2929	⤩	SOUTH EAST ARROW AND SOUTH WEST ARROW
292A	⤪	SOUTH WEST ARROW AND NORTH WEST ARROW
292B	⤫	RISING DIAGONAL CROSSING FALLING DIAGONAL
292C	⤬	FALLING DIAGONAL CROSSING RISING DIAGONAL
292D	⤭	SOUTH EAST ARROW CROSSING NORTH EAST ARROW
292E	⤮	NORTH EAST ARROW CROSSING SOUTH EAST ARROW
292F	⤯	FALLING DIAGONAL CROSSING NORTH EAST ARROW
2930	⤰	RISING DIAGONAL CROSSING SOUTH EAST ARROW
2931	⤱	NORTH EAST ARROW CROSSING NORTH WEST ARROW
2932	⤲	NORTH WEST ARROW CROSSING NORTH EAST ARROW

Miscellaneous curved arrows

2933	⤳	WAVE ARROW POINTING DIRECTLY RIGHT
		→ 219D ↝ rightwards wave arrow
2934	⤴	ARROW POINTING RIGHTWARDS THEN CURVING UPWARDS
2935	⤵	ARROW POINTING RIGHTWARDS THEN CURVING DOWNWARDS
2936	⤶	ARROW POINTING DOWNWARDS THEN CURVING LEFTWARDS
2937	⤷	ARROW POINTING DOWNWARDS THEN CURVING RIGHTWARDS
2938	⤸	RIGHT-SIDE ARC CLOCKWISE ARROW
2939	⤹	LEFT-SIDE ARC ANTICLOCKWISE ARROW
293A	⤺	TOP ARC ANTICLOCKWISE ARROW
293B	⤻	BOTTOM ARC ANTICLOCKWISE ARROW
293C	⤼	TOP ARC CLOCKWISE ARROW WITH MINUS
293D	⤽	TOP ARC ANTICLOCKWISE ARROW WITH PLUS
293E	⤾	LOWER RIGHT SEMICIRCULAR CLOCKWISE ARROW
293F	⤿	LOWER LEFT SEMICIRCULAR ANTICLOCKWISE ARROW
2940	⥀	ANTICLOCKWISE CLOSED CIRCLE ARROW
		→ 20DA ⃚ combining anticlockwise ring overlay
2941	⥁	CLOCKWISE CLOSED CIRCLE ARROW
		→ 20D9 ⃙ combining clockwise ring overlay

Arrows combined with operators

2942	⥂	RIGHTWARDS ARROW ABOVE SHORT LEFTWARDS ARROW
2943	⥃	LEFTWARDS ARROW ABOVE SHORT RIGHTWARDS ARROW
2944	⥄	SHORT RIGHTWARDS ARROW ABOVE LEFTWARDS ARROW
2945	⥅	RIGHTWARDS ARROW WITH PLUS BELOW
2946	⥆	LEFTWARDS ARROW WITH PLUS BELOW

2947	⇸	RIGHTWARDS ARROW THROUGH X
2948	↮	LEFT RIGHT ARROW THROUGH SMALL CIRCLE
2949	↥	UPWARDS TWO-HEADED ARROW FROM SMALL CIRCLE

Double-barbed harpoons

294A	↼	LEFT BARB UP RIGHT BARB DOWN HARPOON
294B	⇀	LEFT BARB DOWN RIGHT BARB UP HARPOON
294C	↿	UP BARB RIGHT DOWN BARB LEFT HARPOON
294D	↾	UP BARB LEFT DOWN BARB RIGHT HARPOON
294E	⟷	LEFT BARB UP RIGHT BARB UP HARPOON
294F	⥏	UP BARB RIGHT DOWN BARB RIGHT HARPOON
2950	⥐	LEFT BARB DOWN RIGHT BARB DOWN HARPOON
2951	⥑	UP BARB LEFT DOWN BARB LEFT HARPOON

Modified harpoons

2952	⥒	LEFTWARDS HARPOON WITH BARB UP TO BAR
2953	⥓	RIGHTWARDS HARPOON WITH BARB UP TO BAR
2954	⥔	UPWARDS HARPOON WITH BARB RIGHT TO BAR
2955	⥕	DOWNWARDS HARPOON WITH BARB RIGHT TO BAR
2956	⥖	LEFTWARDS HARPOON WITH BARB DOWN TO BAR
2957	⥗	RIGHTWARDS HARPOON WITH BARB DOWN TO BAR
2958	⥘	UPWARDS HARPOON WITH BARB LEFT TO BAR
2959	⥙	DOWNWARDS HARPOON WITH BARB LEFT TO BAR
295A	⥚	LEFTWARDS HARPOON WITH BARB UP FROM BAR
295B	⥛	RIGHTWARDS HARPOON WITH BARB UP FROM BAR
295C	⥜	UPWARDS HARPOON WITH BARB RIGHT FROM BAR
295D	⥝	DOWNWARDS HARPOON WITH BARB RIGHT FROM BAR
295E	⥞	LEFTWARDS HARPOON WITH BARB DOWN FROM BAR
295F	⥟	RIGHTWARDS HARPOON WITH BARB DOWN FROM BAR
2960	⥠	UPWARDS HARPOON WITH BARB LEFT FROM BAR
2961	⥡	DOWNWARDS HARPOON WITH BARB LEFT FROM BAR

Paired harpoons

2962	⥢	LEFTWARDS HARPOON WITH BARB UP ABOVE LEFTWARDS HARPOON WITH BARB DOWN
2963	⥣	UPWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS HARPOON WITH BARB RIGHT
2964	⥤	RIGHTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB DOWN
2965	⥥	DOWNWARDS HARPOON WITH BARB LEFT BESIDE DOWNWARDS HARPOON WITH BARB RIGHT
2966	⥦	LEFTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB UP
2967	⥧	LEFTWARDS HARPOON WITH BARB DOWN ABOVE RIGHTWARDS HARPOON WITH BARB DOWN
2968	⥨	RIGHTWARDS HARPOON WITH BARB UP ABOVE LEFTWARDS HARPOON WITH BARB UP
2969	⥩	RIGHTWARDS HARPOON WITH BARB DOWN ABOVE LEFTWARDS HARPOON WITH BARB DOWN
296A	⥪	LEFTWARDS HARPOON WITH BARB UP ABOVE LONG DASH
296B	⥫	LEFTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH

296C	⥬	RIGHTWARDS HARPOON WITH BARB UP ABOVE LONG DASH
296D	⥭	RIGHTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH
296E	⥮	UPWARDS HARPOON WITH BARB LEFT BESIDE DOWNWARDS HARPOON WITH BARB RIGHT
296F	⥯	DOWNWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS HARPOON WITH BARB RIGHT

Miscellaneous arrow

| 2970 | ⥰ | RIGHT DOUBLE ARROW WITH ROUNDED HEAD |
| | | → 2283 ⊃ superset of |

Arrows combined with relations

2971	⥱	EQUALS SIGN ABOVE RIGHTWARDS ARROW
2972	⥲	TILDE OPERATOR ABOVE RIGHTWARDS ARROW
2973	⥳	LEFTWARDS ARROW ABOVE TILDE OPERATOR
2974	⥴	RIGHTWARDS ARROW ABOVE TILDE OPERATOR
2975	⥵	RIGHTWARDS ARROW ABOVE ALMOST EQUAL TO
2976	⥶	LESS-THAN ABOVE LEFTWARDS ARROW
2977	⥷	LEFTWARDS ARROW THROUGH LESS-THAN
2978	⥸	GREATER-THAN ABOVE RIGHTWARDS ARROW
2979	⥹	SUBSET ABOVE RIGHTWARDS ARROW
297A	⥺	LEFTWARDS ARROW THROUGH SUBSET
297B	⥻	SUPERSET ABOVE LEFTWARDS ARROW

Fish tails

297C	⥼	LEFT FISH TAIL
297D	⥽	RIGHT FISH TAIL
297E	⥾	UP FISH TAIL
297F	⥿	DOWN FISH TAIL