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 17.0 BETA REVIEW DRAFT

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

See https://www.unicode.org/charts/ for access to a complete list of the latest character code charts. See https://www.unicode.org/charts/PDF/Unicode-17.0/ for charts showing only the characters added in Unicode 17.0. See https://www.unicode.org/Public/17.0.0/charts/ for a complete archived file of character code charts for Unicode 17.0. See https://www.unicode.org/charts/About.html#Conventions for conventions used in these code charts, and other general information.

Disclaimer

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 17.0 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 17.0, online at https://www.unicode.org/versions/Unicode17.0.0/, as well as the Unicode Standard Annexes, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.
See https://www.unicode.org/ucd/ and https://www.unicode.org/reports/

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

Fonts

The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be expected in actual fonts.
See https://www.unicode.org/charts/fonts.html for a list.

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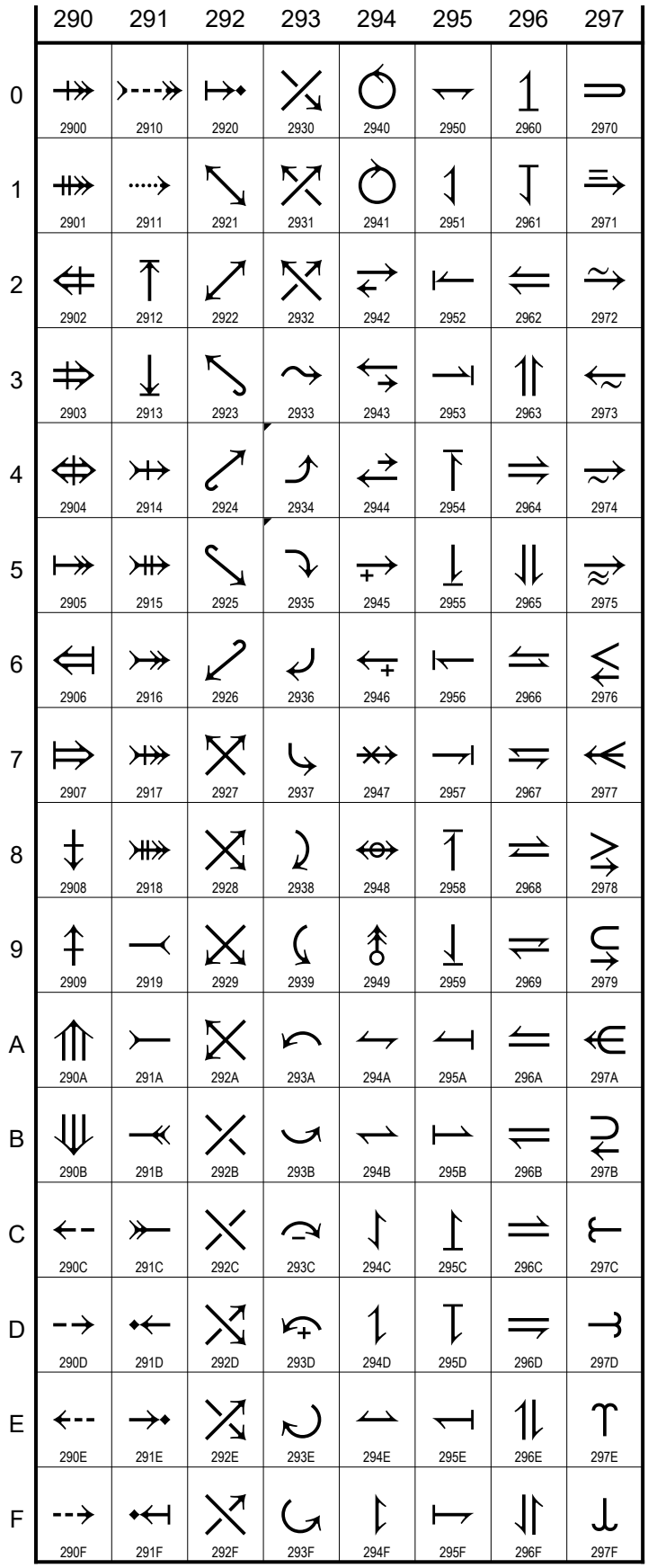
290 291 292 293 294 295 296 297
0 2900 2910 2920 2930 2940 2950 2960 2970
1 2901 2911 2921 2931 2941 2951 2961 2971
2 2902 2912 2922 2932 2942 2952 2962 2972
3 2903 2913 2923 2933 2943 2953 2963 2973
4 2904 2914 2924 2934 2944 2954 2964 2974
5 2905 2915 2925 2935 2945 2955 2965 2975
6 2906 2916 2926 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
→ 2B34 ⬰ leftwards two-headed arrow with vertical stroke

2901 ⤁ RIGHTWARDS TWO-HEADED ARROW WITH DOUBLE VERTICAL STROKE
= z notation finite surjection
→ 2B35 ⬱ leftwards two-headed arrow with double vertical stroke

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
→ 2B36 ⬲ leftwards two-headed arrow from bar

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
→ 2B37 ⬷ leftwards two-headed triple dash arrow

2911 ⤏ RIGHTWARDS ARROW WITH DOTTED STEM
→ 2B38 ⬸ leftwards 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
→ 2B39 ⬹ leftwards arrow with tail with vertical stroke

2915 ⤕ RIGHTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE
= z notation finite injection
→ 2B3A ⬺ leftwards arrow with tail with double vertical stroke

2916 ⤖ RIGHTWARDS TWO-HEADED ARROW WITH TAIL
= bijective mapping
= z notation bijection
→ 2B3B ⬻ leftwards two-headed arrow with tail

2917 ⤗ RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH VERTICAL STROKE
= z notation surjective injection
→ 2B3C ⬼ leftwards two-headed arrow with tail with vertical stroke

2918 ⤘ RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE
= z notation finite surjective injection
→ 2B3D ⬽ leftwards two-headed arrow with tail with double vertical stroke

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
→ 26CC ✕ crossing lanes

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
→ 2B3F ⬿ wave arrow pointing directly left

2934 ⤴ ARROW POINTING RIGHTWARDS THEN CURVING UPWARDS

2935 ⤵ ARROW POINTING RIGHTWARDS THEN CURVING DOWNWARDS

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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
→ 2B3E ⬾ leftwards 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
→ 2B40 ⥀ equals sign above leftwards arrow
2972 ⥲ TILDE OPERATOR ABOVE RIGHTWARDS ARROW
→ 2B41 ⥁ reverse tilde operator above leftwards arrow
2973 ⥳ LEFTWARDS ARROW ABOVE TILDE OPERATOR
→ 2B4C ⥌ rightwards arrow above reverse tilde operator
2974 ⥴ RIGHTWARDS ARROW ABOVE TILDE OPERATOR
→ 2B4B ⥋ leftwards arrow above reverse tilde operator
2975 ⥵ RIGHTWARDS ARROW ABOVE ALMOST EQUAL TO
→ 2B42 ⥈ leftwards arrow above reverse almost equal to

2976 ⭅ LESS-THAN ABOVE LEFTWARDS ARROW
2977 ⭉ LEFTWARDS ARROW THROUGH LESS-THAN
→ 2B43 ⭍ rightwards arrow through greater-than
2978 ⭆ GREATER-THAN ABOVE RIGHTWARDS ARROW
2979 ⭈ SUBSET ABOVE RIGHTWARDS ARROW
297A ⭊ LEFTWARDS ARROW THROUGH SUBSET
→ 2B44 ⭎ rightwards arrow through superset
297B ⭇ SUPERSET ABOVE LEFTWARDS ARROW

Fish tails

297C ⭠ LEFT FISH TAIL
297D ⭢ RIGHT FISH TAIL
297E ⭡ UP FISH TAIL
297F ⭣ DOWN FISH TAIL

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