

Arrows

Range: 2190–21FF

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 5.1*.

This file may be changed at any time without notice to reflect errata or other updates to the Unicode Standard. 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-5.1/> for charts showing only the characters added in Unicode 5.1. See <http://www.unicode.org/Public/5.1.0/charts/> for a complete archived file of character code charts for Unicode 5.1.

Disclaimer

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 5.1 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 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, #34, #38, #41, #42, and #44, 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.

Fonts

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

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















































































































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

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	219	21A	21B	21C	21D	21E	21F
0	 2190	 21A0	 21B0	 21C0	 21D0	 21E0	 21F0
1	 2191	 21A1	 21B1	 21C1	 21D1	 21E1	 21F1
2	 2192	 21A2	 21B2	 21C2	 21D2	 21E2	 21F2
3	 2193	 21A3	 21B3	 21C3	 21D3	 21E3	 21F3
4	 2194	 21A4	 21B4	 21C4	 21D4	 21E4	 21F4
5	 2195	 21A5	 21B5	 21C5	 21D5	 21E5	 21F5
6	 2196	 21A6	 21B6	 21C6	 21D6	 21E6	 21F6
7	 2197	 21A7	 21B7	 21C7	 21D7	 21E7	 21F7
8	 2198	 21A8	 21B8	 21C8	 21D8	 21E8	 21F8
9	 2199	 21A9	 21B9	 21C9	 21D9	 21E9	 21F9
A	 219A	 21AA	 21BA	 21CA	 21DA	 21EA	 21FA
B	 219B	 21AB	 21BB	 21CB	 21DB	 21EB	 21FB
C	 219C	 21AC	 21BC	 21CC	 21DC	 21EC	 21FC
D	 219D	 21AD	 21BD	 21CD	 21DD	 21ED	 21FD
E	 219E	 21AE	 21BE	 21CE	 21DE	 21EE	 21FE
F	 219F	 21AF	 21BF	 21CF	 21DF	 21EF	 21FF

Simple arrows

2190	←	LEFTWARDS ARROW
		→ 20EA ⇌ combining leftwards arrow overlay
2191	↑	UPWARDS ARROW
		• IPA: egressive airflow
2192	→	RIGHTWARDS ARROW
		= z notation total function
2193	↓	DOWNWARDS ARROW
		• IPA: ingressive airflow
2194	↔	LEFT RIGHT ARROW
		= z notation relation
2195	↑	UP DOWN ARROW
2196	↖	NORTH WEST ARROW
2197	↗	NORTH EAST ARROW
2198	↘	SOUTH EAST ARROW
2199	↙	SOUTH WEST ARROW

Arrows with modifications

219A	↔	LEFTWARDS ARROW WITH STROKE
		• negation of 2190 ←
		≡ 2190 ← 0338 ⚭
219B	↔	RIGHTWARDS ARROW WITH STROKE
		• negation of 2192 →
		≡ 2192 → 0338 ⚭
219C	↔	LEFTWARDS WAVE ARROW
		→ 2B3F ↔ wave arrow pointing directly left
219D	↔	RIGHTWARDS WAVE ARROW
219E	↔	LEFTWARDS TWO HEADED ARROW
		= fast cursor left
219F	↔	UPWARDS TWO HEADED ARROW
		= fast cursor up
21A0	↔	RIGHTWARDS TWO HEADED ARROW
		= z notation total surjection
		= fast cursor right
21A1	↔	DOWNWARDS TWO HEADED ARROW
		= form feed
		= fast cursor down
21A2	↔	LEFTWARDS ARROW WITH TAIL
21A3	↔	RIGHTWARDS ARROW WITH TAIL
		= z notation total injection
21A4	↔	LEFTWARDS ARROW FROM BAR
21A5	↔	UPWARDS ARROW FROM BAR
21A6	↔	RIGHTWARDS ARROW FROM BAR
		= z notation maplet
21A7	↔	DOWNWARDS ARROW FROM BAR
		= depth symbol
21A8	↔	UP DOWN ARROW WITH BASE
21A9	↔	LEFTWARDS ARROW WITH HOOK
21AA	↔	RIGHTWARDS ARROW WITH HOOK
21AB	↔	LEFTWARDS ARROW WITH LOOP
21AC	↔	RIGHTWARDS ARROW WITH LOOP
21AD	↔	LEFT RIGHT WAVE ARROW
21AE	↔	LEFT RIGHT ARROW WITH STROKE
		• negation of 2194 ↔
		≡ 2194 ↔ 0338 ⚭
21AF	↔	DOWNWARDS ZIGZAG ARROW
		= electrolysis

Arrows with bent tips

Other arrows with bent tips to complete this set can be found in the Miscellaneous Symbols and Arrows block.

21B0	↔	UPWARDS ARROW WITH TIP LEFTWARDS
21B1	↔	UPWARDS ARROW WITH TIP RIGHTWARDS
21B2	↔	DOWNWARDS ARROW WITH TIP LEFTWARDS

21B3	↔	DOWNWARDS ARROW WITH TIP RIGHTWARDS
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Keyboard symbols and circle arrows

21B4	↔	RIGHTWARDS ARROW WITH CORNER DOWNWARDS
		= line feed
21B5	↔	DOWNWARDS ARROW WITH CORNER LEFTWARDS
		• may indicate a carriage return or new line
		→ 23CE ↵ return symbol
21B6	↔	ANTICLOCKWISE TOP SEMICIRCLE ARROW
21B7	↔	CLOCKWISE TOP SEMICIRCLE ARROW
21B8	↔	NORTH WEST ARROW TO LONG BAR
		= home
21B9	↔	LEFTWARDS ARROW TO BAR OVER RIGHTWARDS ARROW TO BAR
		= tab with shift tab
21BA	↔	ANTICLOCKWISE OPEN CIRCLE ARROW
21BB	↔	CLOCKWISE OPEN CIRCLE ARROW

Harpoons

21BC	↔	LEFTWARDS HARPOON WITH BARB UPWARDS
21BD	↔	LEFTWARDS HARPOON WITH BARB DOWNWARDS
21BE	↔	UPWARDS HARPOON WITH BARB RIGHTWARDS
21BF	↔	UPWARDS HARPOON WITH BARB LEFTWARDS
21C0	↔	RIGHTWARDS HARPOON WITH BARB UPWARDS
21C1	↔	RIGHTWARDS HARPOON WITH BARB DOWNWARDS
21C2	↔	DOWNWARDS HARPOON WITH BARB RIGHTWARDS
21C3	↔	DOWNWARDS HARPOON WITH BARB LEFTWARDS

Paired arrows and harpoons

21C4	↔	RIGHTWARDS ARROW OVER LEFTWARDS ARROW
21C5	↔	UPWARDS ARROW LEFTWARDS OF DOWNWARDS ARROW
21C6	↔	LEFTWARDS ARROW OVER RIGHTWARDS ARROW
21C7	↔	LEFTWARDS PAIRED ARROWS
21C8	↔	UPWARDS PAIRED ARROWS
21C9	↔	RIGHTWARDS PAIRED ARROWS
21CA	↔	DOWNWARDS PAIRED ARROWS
21CB	↔	LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON
21CC	↔	RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON

Double arrows

21CD	↔	LEFTWARDS DOUBLE ARROW WITH STROKE
		• negation of 21D0 ⇐
		≡ 21D0 ⇐ 0338 ⚭
21CE	↔	LEFT RIGHT DOUBLE ARROW WITH STROKE
		• negation of 21D4 ⇌
		≡ 21D4 ⇌ 0338 ⚭
21CF	↔	RIGHTWARDS DOUBLE ARROW WITH STROKE
		• negation of 21D2 ⇒
		≡ 21D2 ⇒ 0338 ⚭
21D0	⇐	LEFTWARDS DOUBLE ARROW
21D1	⇑	UPWARDS DOUBLE ARROW
21D2	⇒	RIGHTWARDS DOUBLE ARROW
21D3	⇓	DOWNWARDS DOUBLE ARROW
21D4	⇌	LEFT RIGHT DOUBLE ARROW
21D5	⇕	UP DOWN DOUBLE ARROW

21D6 ↖ NORTH WEST DOUBLE ARROW
 21D7 ↗ NORTH EAST DOUBLE ARROW
 21D8 ↘ SOUTH EAST DOUBLE ARROW
 21D9 ↙ SOUTH WEST DOUBLE ARROW

Miscellaneous arrows and keyboard symbols

21DA ⇐ LEFTWARDS TRIPLE ARROW
 21DB ⇒ RIGHTWARDS TRIPLE ARROW
 21DC ⇐ LEFTWARDS SQUIGGLE ARROW
 → 2B33 ⇐ long leftwards squiggle arrow
 21DD ⇐ RIGHTWARDS SQUIGGLE ARROW
 21DE † UPWARDS ARROW WITH DOUBLE STROKE
 = page up
 21DF ‡ DOWNWARDS ARROW WITH DOUBLE STROKE
 = page down
 21E0 ⇐ LEFTWARDS DASHED ARROW
 21E1 † UPWARDS DASHED ARROW
 21E2 ⇐ RIGHTWARDS DASHED ARROW
 21E3 ‡ DOWNWARDS DASHED ARROW
 21E4 ← LEFTWARDS ARROW TO BAR
 = leftward tab
 21E5 → RIGHTWARDS ARROW TO BAR
 = rightward tab

White arrows and keyboard symbols

21E6 ⇐ LEFTWARDS WHITE ARROW
 → 2B00 ↗ north east white arrow
 21E7 † UPWARDS WHITE ARROW
 = shift
 21E8 ⇒ RIGHTWARDS WHITE ARROW
 21E9 ‡ DOWNWARDS WHITE ARROW
 21EA † UPWARDS WHITE ARROW FROM BAR
 = caps lock
 21EB † UPWARDS WHITE ARROW ON PEDESTAL
 = level 2 lock
 21EC † UPWARDS WHITE ARROW ON PEDESTAL WITH HORIZONTAL BAR
 = caps lock
 21ED † UPWARDS WHITE ARROW ON PEDESTAL WITH VERTICAL BAR
 = numerics lock
 21EE † UPWARDS WHITE DOUBLE ARROW
 = level 3 select
 21EF † UPWARDS WHITE DOUBLE ARROW ON PEDESTAL
 = level 3 lock
 21F0 ⇐ RIGHTWARDS WHITE ARROW FROM WALL
 = group lock
 21F1 ↖ NORTH WEST ARROW TO CORNER
 = home
 21F2 ↘ SOUTH EAST ARROW TO CORNER
 = end
 21F3 † UP DOWN WHITE ARROW
 = scrolling
 → 2B04 ⇐ left right white arrow

Miscellaneous arrows

21F4 ⇐ RIGHT ARROW WITH SMALL CIRCLE
 → 2B30 ⇐ left arrow with small circle
 21F5 † DOWNWARDS ARROW LEFTWARDS OF UPWARDS ARROW
 21F6 ⇐ THREE RIGHTWARDS ARROWS
 → 2B31 ⇐ three leftwards arrows
 21F7 ⇐ LEFTWARDS ARROW WITH VERTICAL STROKE

21F8 ⇐ RIGHTWARDS ARROW WITH VERTICAL STROKE
 = z notation partial function
 21F9 ⇐ LEFT RIGHT ARROW WITH VERTICAL STROKE
 = z notation partial relation
 21FA ⇐ LEFTWARDS ARROW WITH DOUBLE VERTICAL STROKE
 21FB ⇐ RIGHTWARDS ARROW WITH DOUBLE VERTICAL STROKE
 = z notation finite function
 21FC ⇐ LEFT RIGHT ARROW WITH DOUBLE VERTICAL STROKE
 = z notation finite relation
 21FD ← LEFTWARDS OPEN-HEADED ARROW
 21FE → RIGHTWARDS OPEN-HEADED ARROW
 21FF ⇐ LEFT RIGHT OPEN-HEADED ARROW