

Arrows

Range: 2190–21FF

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 17.0*.

This file may be changed at any time without notice to reflect errata, or other updates to the Unicode Standard.

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.

Terms of Use

© 1991–2025 Unicode, Inc. This publication is protected by copyright, and permission must be obtained from Unicode, Inc. prior to any reproduction, modification, or other use not permitted by the Terms of Use (<https://www.unicode.org/copyright.html>). Specifically, you may make copies of this publication and may annotate and translate it solely for personal or internal business purposes and not for public distribution, provided that any such permitted copies and modifications fully reproduce all copyright and other legal notices contained in the original. You may not make copies of or modifications to this publication for public distribution, or incorporate it in whole or in part into any product or publication without the express written permission of Unicode.

The Unicode Consortium specifically grants ISO a license to produce such code charts with their associated character names list to show the repertoire of characters for that standard, as a normatively referenced, integral part of that standard.

Unicode uses most fonts under restricted license from the original font owner. You may not extract, copy, modify, or distribute fonts or font data from any Unicode Products, including this publication, without license from the font owner.

Use of all Unicode Products, including this publication, is governed by the Unicode Terms of Use (<https://www.unicode.org/copyright.html>). The authors, contributors, and publishers have taken care in the preparation of this publication, but make no express or implied representation or warranty of any kind and assume no responsibility or liability for errors or omissions or for consequential or incidental damages that may arise therefrom. This publication is provided “AS-IS” without charge as a convenience to users.

Unicode and the Unicode Logo are registered trademarks of Unicode, Inc., in the United States and other countries.

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
→ 1F8C0 ↴ leftwards arrow from downwards arrow
- 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 ↂ LEFTWARDS ARROW WITH STROKE
• negation of 2190 ←
≡ 2190 ← 0338 ↯
- 219B Ↄ RIGHTWARDS ARROW WITH STROKE
• negation of 2192 →
≡ 2192 → 0338 ↯
- 219C ↄ LEFTWARDS WAVE ARROW
→ 2B3F ↵ wave arrow pointing directly left
- 219D ↅ RIGHTWARDS WAVE ARROW
- 219E ↆ LEFTWARDS TWO HEADED ARROW
= fast cursor left
→ 2BEC ↫ leftwards two-headed arrow with triangle arrowheads
- 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 ↂ LEFTWARDS ARROW WITH TAIL
- 21A3 Ↄ RIGHTWARDS ARROW WITH TAIL
= z notation total injection
- 21A4 ↂ 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 ↄ UP DOWN ARROW WITH BASE
- 21A9 ↄ LEFTWARDS ARROW WITH HOOK
- 21AA Ↄ RIGHTWARDS ARROW WITH HOOK
- 21AB ↂ LEFTWARDS ARROW WITH LOOP
- 21AC Ↄ RIGHTWARDS ARROW WITH LOOP
- 21AD ↂ↔ LEFT RIGHT WAVE ARROW
- 21AE ↂ↔ LEFT RIGHT ARROW WITH STROKE
• negation of 2194 ↔
≡ 2194 ↔ 0338 ↯
- 21AF ↯ DOWNWARDS ZIGZAG ARROW
= electrolysis
→ 2B4D ↯ downwards triangle-headed zigzag arrow

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
→ 1FBBA ↘ inverse downwards arrow with tip leftwards
- 21B3 ↘ DOWNWARDS ARROW WITH TIP RIGHTWARDS

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
→ 2B7E ↟ horizontal tab key
- 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
→ 1F8D0 ↔ long rightwards arrow over long leftwards arrow
- 21C5 ↑↓ UPWARDS ARROW LEFTWARDS OF DOWNWARDS ARROW
- 21C6 ↣ LEFTWARDS ARROW OVER RIGHTWARDS ARROW
- 21C7 ↂ↔ LEFTWARDS PAIRED ARROWS
- 21C8 ↑↑ UPWARDS PAIRED ARROWS
- 21C9 Ↄ↔ RIGHTWARDS PAIRED ARROWS
- 21CA ↓↓ DOWNWARDS PAIRED ARROWS
- 21CB ↣↔ LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON
- 21CC ↔ RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON
→ 1F8D1 ↔ long rightwards harpoon over long leftwards harpoon

Double arrows

21CD	\Leftarrow	LEFTWARDS DOUBLE ARROW WITH STROKE
	• negation of 21D0 \Leftarrow	
	$\equiv 21D0 \Leftarrow 0338 \not\equiv$	
21CE	\Leftrightarrow	LEFT RIGHT DOUBLE ARROW WITH STROKE
	• negation of 21D4 \Leftrightarrow	
	$\equiv 21D4 \Leftrightarrow 0338 \not\equiv$	
21CF	\Rightarrow	RIGHTWARDS DOUBLE ARROW WITH STROKE
	• negation of 21D2 \Rightarrow	
	$\equiv 21D2 \Rightarrow 0338 \not\equiv$	
21D0	\Leftarrow	LEFTWARDS DOUBLE ARROW
21D1	\Uparrow	UPWARDS DOUBLE ARROW
21D2	\Rightarrow	RIGHTWARDS DOUBLE ARROW
21D3	\Downarrow	DOWNTWARDS DOUBLE ARROW
21D4	\Leftrightarrow	LEFT RIGHT DOUBLE ARROW
21D5	\Updownarrow	UP DOWN DOUBLE ARROW
21D6	\nwarrow	NORTH WEST DOUBLE ARROW
21D7	\nearrow	NORTH EAST DOUBLE ARROW
21D8	\searrow	SOUTH EAST DOUBLE ARROW
21D9	\swarrow	SOUTH WEST DOUBLE ARROW

Miscellaneous arrows and keyboard symbols

21DA	$\Leftarrow\Leftarrow$	LEFTWARDS TRIPLE ARROW
21DB	$\Rightarrow\Rightarrow$	RIGHTWARDS TRIPLE ARROW
21DC	$\sim\sim$	LEFTWARDS SQUIGGLE ARROW → 2B33 $\sim\sim$ long leftwards squiggle arrow
21DD	$\sim\sim$	RIGHTWARDS SQUIGGLE ARROW
21DE	\dagger	UPWARDS ARROW WITH DOUBLE STROKE = page up
21DF	\ddagger	DOWNTWARDS ARROW WITH DOUBLE STROKE = page down
21E0	$\leftarrow\cdots$	LEFTWARDS DASHED ARROW
21E1	$\uparrow\cdots$	UPWARDS DASHED ARROW
21E2	$\rightarrow\cdots$	RIGHTWARDS DASHED ARROW
21E3	$\downarrow\cdots$	DOWNTWARDS DASHED ARROW
21E4	$\leftarrow\leftarrow$	LEFTWARDS ARROW TO BAR = leftward tab
21E5	$\rightarrow\rightarrow$	RIGHTWARDS ARROW TO BAR = rightward tab

White arrows and keyboard symbols

21E6	\Leftarrow	LEFTWARDS WHITE ARROW → 2B00 \nearrow north east white arrow
21E7	\Uparrow	UPWARDS WHITE ARROW = shift = level 2 select (ISO 9995-7)
21E8	\Rightarrow	RIGHTWARDS WHITE ARROW = group select (ISO 9995-7)
21E9	\Downarrow	DOWNTWARDS WHITE ARROW
21EA	\Updownarrow	UPWARDS WHITE ARROW FROM BAR = caps lock
21EB	\Updownarrow	UPWARDS WHITE ARROW ON PEDESTAL = level 2 lock
21EC	\Updownarrow	UPWARDS WHITE ARROW ON PEDESTAL WITH HORIZONTAL BAR = capitals (caps) lock → 2BB8 \Updownarrow upwards white arrow from bar with horizontal bar
21ED	\Updownarrow	UPWARDS WHITE ARROW ON PEDESTAL WITH VERTICAL BAR = numeric lock
21EE	\Uparrow	UPWARDS WHITE DOUBLE ARROW = level 3 select

21EF \Updownarrow UPWARDS WHITE DOUBLE ARROW ON PEDESTAL

= level 3 lock

21F0 \Rightarrow RIGHTWARDS WHITE ARROW FROM WALL

= group lock

21F1 \nwarrow NORTH WEST ARROW TO CORNER

= home

21F2 \searrow SOUTH EAST ARROW TO CORNER

= end

21F3 \Updownarrow UP DOWN WHITE ARROW

= scrolling

→ 2B04 \Updownarrow left right white arrow**Miscellaneous arrows**

21F4	\rightarrow	RIGHT ARROW WITH SMALL CIRCLE → 2B30 \rightarrow left arrow with small circle
21F5	\downarrow	DOWNTWARDS ARROW LEFTWARDS OF UPWARDS ARROW
21F6	$\exists\exists\exists$	THREE RIGHTWARDS ARROWS → 2B31 $\exists\exists\exists$ three leftwards arrows
21F7	\leftarrow	LEFTWARDS ARROW WITH VERTICAL STROKE
21F8	\rightarrow	RIGHTWARDS ARROW WITH VERTICAL STROKE = z notation partial function
21F9	\leftrightarrow	LEFT RIGHT ARROW WITH VERTICAL STROKE = z notation partial relation
21FA	$\leftarrow\leftarrow$	LEFTWARDS ARROW WITH DOUBLE VERTICAL STROKE
21FB	$\rightarrow\rightarrow$	RIGHTWARDS ARROW WITH DOUBLE VERTICAL STROKE = z notation finite function
21FC	$\leftarrow\leftarrow\leftarrow$	LEFT RIGHT ARROW WITH DOUBLE VERTICAL STROKE = z notation finite relation
21FD	\leftarrow	LEFTWARDS OPEN-HEADED ARROW
21FE	\rightarrow	RIGHTWARDS OPEN-HEADED ARROW
21FF	\leftrightarrow	LEFT RIGHT OPEN-HEADED ARROW