

Arrows

Range: 2190–21FF

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 16.0*

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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-16.0/> for charts showing only the characters added in Unicode 16.0. See <https://www.unicode.org/Public/16.0.0/charts/> for a complete archived file of character code charts for Unicode 16.0. 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 16.0 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 16.0, online at <https://www.unicode.org/versions/Unicode16.0.0/>, 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

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

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















































































































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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
→ 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 ⇐ 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
→ 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 ↵ 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
→ 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
→ 1FBB4 ⇩ 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
- 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 |
| | | = level 2 select (ISO 9995-7) |
| 21E8 | ⇒ | RIGHTWARDS WHITE ARROW |
| | | = group select (ISO 9995-7) |
| 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 |
| | | = capitals (caps) lock |
| | | → 2BB8 ⇕ upwards white arrow from bar with horizontal bar |
| 21ED | ⇕ | UPWARDS WHITE ARROW ON PEDESTAL WITH VERTICAL BAR |
| | | = numeric 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 |