FORMAT (Date)

**See page 3 for custom date format:**

d -> if Some\_Date is = 2009-06-15T13:45:30

ex: |||Some\_Date FORMAT d||| would show 2009/6/15

D -> if Some\_Date is = 2009-06-15T13:45:30

ex : |||Some\_Date FORMAT D||| would show Monday, June 15, 2009

You can also use custom date format with y, M, m, d, h, H etc…

yyyy\*MMM\*dd -> if Some\_Date is = 2009-06-15T13:45:30

ex : |||Some\_Date FORMAT yyyy\*MMM\*dd||| would show 2009 June 15

Source : Microsoft

|  |  |  |
| --- | --- | --- |
| **Format specifier** | **Description** | **Examples** |
| "d" | Short date pattern.  More information:[The Short Date ("d") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx" \l "ShortDate). | 2009-06-15T13:45:30 -> 6/15/2009 (en-US)  2009-06-15T13:45:30 -> 15/06/2009 (fr-FR)  2009-06-15T13:45:30 -> 2009/06/15 (ja-JP) |
| "D" | Long date pattern.  More information:[The Long Date ("D") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx" \l "LongDate). | 2009-06-15T13:45:30 -> Monday, June 15, 2009 (en-US)  2009-06-15T13:45:30 -> 15 июня 2009 г. (ru-RU)  2009-06-15T13:45:30 -> Montag, 15. Juni 2009 (de-DE) |
| "f" | Full date/time pattern (short time).  More information: [The Full Date Short Time ("f") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx#FullDateShortTime). | 2009-06-15T13:45:30 -> Monday, June 15, 2009 1:45 PM (en-US)  2009-06-15T13:45:30 -> den 15 juni 2009 13:45 (sv-SE)  2009-06-15T13:45:30 -> Δευτέρα, 15 Ιουνίου 2009 1:45 μμ (el-GR) |
| "F" | Full date/time pattern (long time).  More information: [The Full Date Long Time ("F") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx#FullDateLongTime). | 2009-06-15T13:45:30 -> Monday, June 15, 2009 1:45:30 PM (en-US)  2009-06-15T13:45:30 -> den 15 juni 2009 13:45:30 (sv-SE)  2009-06-15T13:45:30 -> Δευτέρα, 15 Ιουνίου 2009 1:45:30 μμ (el-GR) |
| "g" | General date/time pattern (short time).  More information: [The General Date Short Time ("g") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx#GeneralDateShortTime). | 2009-06-15T13:45:30 -> 6/15/2009 1:45 PM (en-US)  2009-06-15T13:45:30 -> 15/06/2009 13:45 (es-ES)  2009-06-15T13:45:30 -> 2009/6/15 13:45 (zh-CN) |
| "G" | General date/time pattern (long time).  More information: [The General Date Long Time ("G") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx#GeneralDateLongTime). | 2009-06-15T13:45:30 -> 6/15/2009 1:45:30 PM (en-US)  2009-06-15T13:45:30 -> 15/06/2009 13:45:30 (es-ES)  2009-06-15T13:45:30 -> 2009/6/15 13:45:30 (zh-CN) |
| "M", "m" | Month/day pattern.  More information: [The Month ("M", "m") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx#MonthDay). | 2009-06-15T13:45:30 -> June 15 (en-US)  2009-06-15T13:45:30 -> 15. juni (da-DK)  2009-06-15T13:45:30 -> 15 Juni (id-ID) |
| "O", "o" | Round-trip date/time pattern.  More information: [The Round-trip ("O", "o") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx#Roundtrip). | [DateTime](https://msdn.microsoft.com/en-us/library/system.datetime(v=vs.110).aspx) values:  2009-06-15T13:45:30 (DateTimeKind.Local) --> 2009-06-15T13:45:30.0000000-07:00  2009-06-15T13:45:30 (DateTimeKind.Utc) --> 2009-06-15T13:45:30.0000000Z  2009-06-15T13:45:30 (DateTimeKind.Unspecified) --> 2009-06-15T13:45:30.0000000  [DateTimeOffset](https://msdn.microsoft.com/en-us/library/system.datetimeoffset(v=vs.110).aspx) values:  2009-06-15T13:45:30-07:00 --> 2009-06-15T13:45:30.0000000-07:00 |
| "R", "r" | RFC1123 pattern.  More information: [The RFC1123 ("R", "r") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx#RFC1123). | 2009-06-15T13:45:30 -> Mon, 15 Jun 2009 20:45:30 GMT |
| "s" | Sortable date/time pattern.  More information: [The Sortable ("s") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx#Sortable). | 2009-06-15T13:45:30 (DateTimeKind.Local) -> 2009-06-15T13:45:30  2009-06-15T13:45:30 (DateTimeKind.Utc) -> 2009-06-15T13:45:30 |
| "t" | Short time pattern.  More information: [The Short Time ("t") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx#ShortTime). | 2009-06-15T13:45:30 -> 1:45 PM (en-US)  2009-06-15T13:45:30 -> 13:45 (hr-HR)  2009-06-15T13:45:30 -> 01:45 م (ar-EG) |
| "T" | Long time pattern.  More information: [The Long Time ("T") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx#LongTime). | 2009-06-15T13:45:30 -> 1:45:30 PM (en-US)  2009-06-15T13:45:30 -> 13:45:30 (hr-HR)  2009-06-15T13:45:30 -> 01:45:30 م (ar-EG) |
| "u" | Universal sortable date/time pattern.  More information: [The Universal Sortable ("u") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx#UniversalSortable). | With a [DateTime](https://msdn.microsoft.com/en-us/library/system.datetime(v=vs.110).aspx) value: 2009-06-15T13:45:30 -> 2009-06-15 13:45:30Z  With a [DateTimeOffset](https://msdn.microsoft.com/en-us/library/system.datetimeoffset(v=vs.110).aspx) value: 2009-06-15T13:45:30 -> 2009-06-15 20:45:30Z |
| "U" | Universal full date/time pattern.  More information: [The Universal Full ("U") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx#UniversalFull). | 2009-06-15T13:45:30 -> Monday, June 15, 2009 8:45:30 PM (en-US)  2009-06-15T13:45:30 -> den 15 juni 2009 20:45:30 (sv-SE)  2009-06-15T13:45:30 -> Δευτέρα, 15 Ιουνίου 2009 8:45:30 μμ (el-GR) |
| "Y", "y" | Year month pattern.  More information: [The Year Month ("Y") Format Specifier](https://msdn.microsoft.com/en-us/library/az4se3k1(v=vs.110).aspx#YearMonth). | 2009-06-15T13:45:30 -> June, 2009 (en-US)  2009-06-15T13:45:30 -> juni 2009 (da-DK)  2009-06-15T13:45:30 -> Juni 2009 (id-ID) |
| Any other single character | Unknown specifier. | Throws a run-time [FormatException](https://msdn.microsoft.com/en-us/library/system.formatexception(v=vs.110).aspx). |

Custom FORMAT (Date)

|  |  |  |
| --- | --- | --- |
| **Format specifier** | **Description** | **Examples** |
| "d" | The day of the month, from 1 through 31.  More information: [The "d" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#dSpecifier). | 2009-06-01T13:45:30 -> 1  2009-06-15T13:45:30 -> 15 |
| "dd" | The day of the month, from 01 through 31.  More information: [The "dd" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#ddSpecifier). | 2009-06-01T13:45:30 -> 01  2009-06-15T13:45:30 -> 15 |
| "ddd" | The abbreviated name of the day of the week.  More information: [The "ddd" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#dddSpecifier). | 2009-06-15T13:45:30 -> Mon (en-US)  2009-06-15T13:45:30 -> Пн (ru-RU)  2009-06-15T13:45:30 -> lun. (fr-FR) |
| "dddd" | The full name of the day of the week.  More information: [The "dddd" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#ddddSpecifier). | 2009-06-15T13:45:30 -> Monday (en-US)  2009-06-15T13:45:30 -> понедельник (ru-RU)  2009-06-15T13:45:30 -> lundi (fr-FR) |
| "f" | The tenths of a second in a date and time value.  More information: [The "f" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#fSpecifier). | 2009-06-15T13:45:30.6170000 -> 6  2009-06-15T13:45:30.05 -> 0 |
| "ff" | The hundredths of a second in a date and time value.  More information: [The "ff" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#ffSpecifier). | 2009-06-15T13:45:30.6170000 -> 61  2009-06-15T13:45:30.0050000 -> 00 |
| "fff" | The milliseconds in a date and time value.  More information: [The "fff" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#fffSpecifier). | 6/15/2009 13:45:30.617 -> 617  6/15/2009 13:45:30.0005 -> 000 |
| "ffff" | The ten thousandths of a second in a date and time value.  More information: [The "ffff" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#ffffSpecifier). | 2009-06-15T13:45:30.6175000 -> 6175  2009-06-15T13:45:30.0000500 -> 0000 |
| "fffff" | The hundred thousandths of a second in a date and time value.  More information: [The "fffff" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#fffffSpecifier). | 2009-06-15T13:45:30.6175400 -> 61754  6/15/2009 13:45:30.000005 -> 00000 |
| "ffffff" | The millionths of a second in a date and time value.  More information: [The "ffffff" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#ffffffSpecifier). | 2009-06-15T13:45:30.6175420 -> 617542  2009-06-15T13:45:30.0000005 -> 000000 |
| "fffffff" | The ten millionths of a second in a date and time value.  More information: [The "fffffff" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#fffffffSpecifier). | 2009-06-15T13:45:30.6175425 -> 6175425  2009-06-15T13:45:30.0001150 -> 0001150 |
| "F" | If non-zero, the tenths of a second in a date and time value.  More information: [The "F" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#F_Specifier). | 2009-06-15T13:45:30.6170000 -> 6  2009-06-15T13:45:30.0500000 -> (no output) |
| "FF" | If non-zero, the hundredths of a second in a date and time value.  More information: [The "FF" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#FF_Specifier). | 2009-06-15T13:45:30.6170000 -> 61  2009-06-15T13:45:30.0050000 -> (no output) |
| "FFF" | If non-zero, the milliseconds in a date and time value.  More information: [The "FFF" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#FFF_Specifier). | 2009-06-15T13:45:30.6170000 -> 617  2009-06-15T13:45:30.0005000 -> (no output) |
| "FFFF" | If non-zero, the ten thousandths of a second in a date and time value.  More information: [The "FFFF" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#FFFF_Specifier). | 2009-06-15T13:45:30.5275000 -> 5275  2009-06-15T13:45:30.0000500 -> (no output) |
| "FFFFF" | If non-zero, the hundred thousandths of a second in a date and time value.  More information: [The "FFFFF" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#FFFFF_Specifier). | 2009-06-15T13:45:30.6175400 -> 61754  2009-06-15T13:45:30.0000050 -> (no output) |
| "FFFFFF" | If non-zero, the millionths of a second in a date and time value.  More information: [The "FFFFFF" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#FFFFFF_Specifier). | 2009-06-15T13:45:30.6175420 -> 617542  2009-06-15T13:45:30.0000005 -> (no output) |
| "FFFFFFF" | If non-zero, the ten millionths of a second in a date and time value.  More information: [The "FFFFFFF" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#FFFFFFF_Specifier). | 2009-06-15T13:45:30.6175425 -> 6175425  2009-06-15T13:45:30.0001150 -> 000115 |
| "g", "gg" | The period or era.  More information: [The "g" or "gg" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#gSpecifier). | 2009-06-15T13:45:30.6170000 -> A.D. |
| "h" | The hour, using a 12-hour clock from 1 to 12.  More information: [The "h" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#hSpecifier). | 2009-06-15T01:45:30 -> 1  2009-06-15T13:45:30 -> 1 |
| "hh" | The hour, using a 12-hour clock from 01 to 12.  More information: [The "hh" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#hhSpecifier). | 2009-06-15T01:45:30 -> 01  2009-06-15T13:45:30 -> 01 |
| "H" | The hour, using a 24-hour clock from 0 to 23.  More information: [The "H" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#H_Specifier). | 2009-06-15T01:45:30 -> 1  2009-06-15T13:45:30 -> 13 |
| "HH" | The hour, using a 24-hour clock from 00 to 23.  More information: [The "HH" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#HH_Specifier). | 2009-06-15T01:45:30 -> 01  2009-06-15T13:45:30 -> 13 |
| "K" | Time zone information.  More information: [The "K" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#KSpecifier). | With [DateTime](https://msdn.microsoft.com/en-us/library/system.datetime(v=vs.110).aspx) values:  2009-06-15T13:45:30, Kind Unspecified ->  2009-06-15T13:45:30, Kind Utc -> Z  2009-06-15T13:45:30, Kind Local -> -07:00 (depends on local computer settings)  With [DateTimeOffset](https://msdn.microsoft.com/en-us/library/system.datetimeoffset(v=vs.110).aspx) values:  2009-06-15T01:45:30-07:00 --> -07:00  2009-06-15T08:45:30+00:00 --> +00:00 |
| "m" | The minute, from 0 through 59.  More information: [The "m" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#mSpecifier). | 2009-06-15T01:09:30 -> 9  2009-06-15T13:29:30 -> 29 |
| "mm" | The minute, from 00 through 59.  More information: [The "mm" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#mmSpecifier). | 2009-06-15T01:09:30 -> 09  2009-06-15T01:45:30 -> 45 |
| "M" | The month, from 1 through 12.  More information: [The "M" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#M_Specifier). | 2009-06-15T13:45:30 -> 6 |
| "MM" | The month, from 01 through 12.  More information: [The "MM" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#MM_Specifier). | 2009-06-15T13:45:30 -> 06 |
| "MMM" | The abbreviated name of the month.  More information: [The "MMM" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#MMM_Specifier). | 2009-06-15T13:45:30 -> Jun (en-US)  2009-06-15T13:45:30 -> juin (fr-FR)  2009-06-15T13:45:30 -> Jun (zu-ZA) |
| "MMMM" | The full name of the month.  More information: [The "MMMM" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#MMMM_Specifier). | 2009-06-15T13:45:30 -> June (en-US)  2009-06-15T13:45:30 -> juni (da-DK)  2009-06-15T13:45:30 -> uJuni (zu-ZA) |
| "s" | The second, from 0 through 59.  More information: [The "s" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#sSpecifier). | 2009-06-15T13:45:09 -> 9 |
| "ss" | The second, from 00 through 59.  More information: [The "ss" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#ssSpecifier). | 2009-06-15T13:45:09 -> 09 |
| "t" | The first character of the AM/PM designator.  More information: [The "t" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#tSpecifier). | 2009-06-15T13:45:30 -> P (en-US)  2009-06-15T13:45:30 -> 午 (ja-JP)  2009-06-15T13:45:30 -> (fr-FR) |
| "tt" | The AM/PM designator.  More information: [The "tt" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#ttSpecifier). | 2009-06-15T13:45:30 -> PM (en-US)  2009-06-15T13:45:30 -> 午後 (ja-JP)  2009-06-15T13:45:30 -> (fr-FR) |
| "y" | The year, from 0 to 99.  More information: [The "y" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#ySpecifier). | 0001-01-01T00:00:00 -> 1  0900-01-01T00:00:00 -> 0  1900-01-01T00:00:00 -> 0  2009-06-15T13:45:30 -> 9  2019-06-15T13:45:30 -> 19 |
| "yy" | The year, from 00 to 99.  More information: [The "yy" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#yySpecifier). | 0001-01-01T00:00:00 -> 01  0900-01-01T00:00:00 -> 00  1900-01-01T00:00:00 -> 00  2019-06-15T13:45:30 -> 19 |
| "yyy" | The year, with a minimum of three digits.  More information: [The "yyy" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#yyySpecifier). | 0001-01-01T00:00:00 -> 001  0900-01-01T00:00:00 -> 900  1900-01-01T00:00:00 -> 1900  2009-06-15T13:45:30 -> 2009 |
| "yyyy" | The year as a four-digit number.  More information: [The "yyyy" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#yyyySpecifier). | 0001-01-01T00:00:00 -> 0001  0900-01-01T00:00:00 -> 0900  1900-01-01T00:00:00 -> 1900  2009-06-15T13:45:30 -> 2009 |
| "yyyyy" | The year as a five-digit number.  More information: [The "yyyyy" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#yyyyySpecifier). | 0001-01-01T00:00:00 -> 00001  2009-06-15T13:45:30 -> 02009 |
| "z" | Hours offset from UTC, with no leading zeros.  More information: [The "z" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#zSpecifier). | 2009-06-15T13:45:30-07:00 -> -7 |
| "zz" | Hours offset from UTC, with a leading zero for a single-digit value.  More information: [The "zz" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#zzSpecifier). | 2009-06-15T13:45:30-07:00 -> -07 |
| "zzz" | Hours and minutes offset from UTC.  More information: [The "zzz" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#zzzSpecifier). | 2009-06-15T13:45:30-07:00 -> -07:00 |
| ":" | The time separator.  More information: [The ":" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#timeSeparator). | 2009-06-15T13:45:30 -> : (en-US)  2009-06-15T13:45:30 -> . (it-IT)  2009-06-15T13:45:30 -> : (ja-JP) |
| "/" | The date separator.  More Information: [The "/" Custom Format Specifier](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#dateSeparator). | 2009-06-15T13:45:30 -> / (en-US)  2009-06-15T13:45:30 -> - (ar-DZ)  2009-06-15T13:45:30 -> . (tr-TR) |
| "*string*"  '*string*' | Literal string delimiter.  More information: [Character literals](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#Literals). | 2009-06-15T13:45:30 ("arr:" h:m t) -> arr: 1:45 P  2009-06-15T13:45:30 ('arr:' h:m t) -> arr: 1:45 P |
| % | Defines the following character as a custom format specifier.  More information:[Using Single Custom Format Specifiers](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#UsingSingleSpecifiers). | 2009-06-15T13:45:30 (%h) -> 1 |
| \ | The escape character.  More information: [Character literals](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#Literals) and [Using the Escape Character](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#escape). | 2009-06-15T13:45:30 (h \h) -> 1 h |
| Any other character | The character is copied to the result string unchanged.  More information: [Character literals](https://msdn.microsoft.com/en-us/library/8kb3ddd4(v=vs.110).aspx#Literals). | 2009-06-15T01:45:30 (arr hh:mm t) -> arr 01:45 A |