What Day is it, professor?

Did you ever wonder on what day you were born or whether Oct. 3, 1995 was a Wednesday or a Monday? (Actually, it was a Tuesday.) Now there is a way to calculate which day of the week a day is on.

$$w = d + floor(2.6m - 0.2) - 2c + y + floor(y/4) + floor(c/4) \ (mod\ 7)$$

where d is day of the month;m represents the month (March = 1, April = 2, ..., January = 11, February = 12); y is the last 2 digits of the year (if the day falls on January or February of a year, we consider the year to be the year before); and c is the first 2 digits of the year.

For example, if we want to know which day of the week January 8, 1974 was, we have $d = 8$, $m = 11$, $y = 73$, $c = 19$.

If $w = 0$, then the day is a Sunday; the day is a Monday if $w = 1$, and so on. So January 8, 1974 was a Wednesday.

This method yields the day for any date from October 15, 1582 AD, the day when the Gregorian calender was first adopted, onwards. For dates prior to October 4, 1582, using the following formula instead:

$$w = d + floor(2.6m - 2.2) - c + y + floor(y/4) \ (mod\ 7)$$