A rapid reveal of periodicities of the civil calendars dates and its applications

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In this paper a method to reveal rapidly the periodicity on reckoning of the civil calendars dates is given. A calendar date is separated into year figures, month figure and day figure, by which some characteristic numbers are to be checked out from a fore-compiled table. A simple calculation upon the numbers will determine the position of the date in a certain cycle on reckoning of dates. The cycle number (GAN-ZIII) in the Chinese traditional 60-day cycle, week day of julian date can be easily and rapidly extracted out by this method. The principle to compile tables is also given in detail in the paper.