

ZMATH 2015d.00734

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When the floor meets the ceiling.

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From the text: Some computer science students as well as some calculus students encounter the floor function. The latter typically are presented it solely as a counterexample within the topics of limits and continuity. Surely there are other good uses for the greatest-integer function.

Classification: I20 P20

Keywords: non-continuous functions; least-integer function; ceiling function; greatest-integer function; floor function; calculus; mathematical applications; rounding; postage costs; card trick; Mersenne primes; large numbers; calendar; computer programming