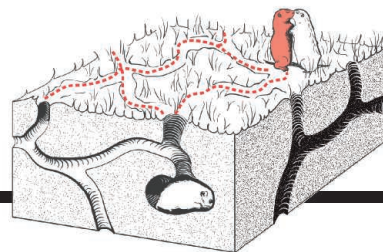


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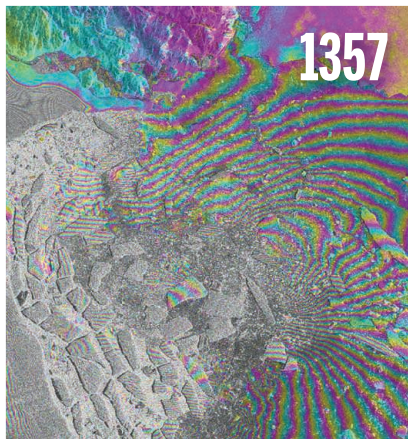
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ON THE COVER



Illustration of character sorting by a computational model (tall piles, simple characters; short piles, more complex ones). People learn to recognize and draw simple visual concepts (such as a letter in a foreign alphabet) from only a few examples, whereas machine learning algorithms typically require tens or hundreds of examples. See page 1332 for more on representing concepts as programs that can generate a range of new letters.

Illustration: Eiko Ojala

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