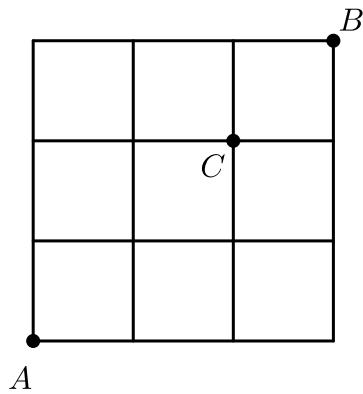


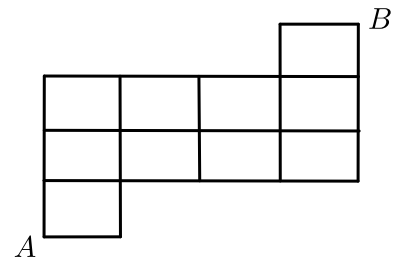
Labeling Method

- 1 (1分) An ant starts from point A and moves to point B along the segments. It can only move up or to the right, and it cannot pass through point C . How many different shortest paths are there?



- A. 5 B. 6 C. 7 D. 8

- 2 (1分) How many different shortest paths are there from A to B ?

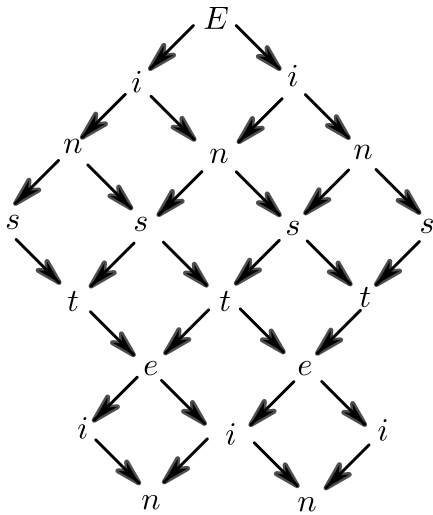


- A. 41 B. 25 C. 16 D. 57 E. 34

- 3 (1分) In the arrangement of letters and numerals below, by how many different paths can one spell $AMC8$? Beginning at the A in the middle, a path allows only moves from one letter to an adjacent (above, below, left, or right, but not diagonal) letter. One example of such a path is traced in the picture. (2017 AMC 8 Problem, Question #15)

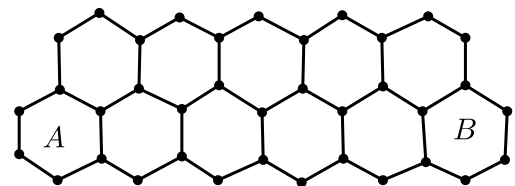
	8	<i>C</i>	8	
8	<i>C</i>	<i>M</i>	<i>C</i>	8
<i>C</i>	<i>M</i>	<i>A</i>	<i>M</i>	<i>C</i>
8	<i>C</i>	<i>M</i>	<i>C</i>	8
	8	<i>C</i>	8	
A. 8	B. 9	C. 12	D. 24	E. 36

- 4 (1分) According to the directions indicated by the arrows in the diagram, there are _____ different ways to spell the word "*Einstein*".



- A. 30 B. 40 C. 60 D. 80

- 5 (1分) As shown in the figure below, a bee starts from *A* to go to its home at *B*. It can only climb from one hive to an adjacent hive moving to the right direction (including upper-right and lower-right) at a time and it is not allowed to go back. How many different routes are there to go home?



- A. 55 B. 89 C. 90 D. 144