

Find the number of different arrangements that can be made of all 9 letters in the word CAMERAMAN in each of the following cases.

(i) There are no restrictions.

[2]

(ii) The As occupy the 1st, 5th and 9th positions.

[1]

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(iii) There is exactly one letter between the Ms.

[4]

[illegible]

(iv) Find the number of different selections if the three letters include exactly one M and exactly one A. [1]

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This image shows a full page of white paper with horizontal dashed lines, typical of primary-ruled notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.