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**Abstract:** Thirty years ago, G.N. de Oliveira has proposed the following completion problems: Describe the possible characteristic polynomials of  $[C-ij]$ ,  $i, j$  is an element of  $\{1, 2\}$ , where  $C-1, C-1$  and  $C-2, C-2$  are square submatrices, when some of the blocks  $C-ij$  are fixed and the others vary. Several of these problems remain unsolved. This paper gives the solution, over the field of real numbers, of Oliveira's problem where the blocks  $C-1, C-1, C-2, C-2$  are fixed and the others vary. (C) 2009 Elsevier Inc. All rights reserved.

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