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13 numbers occurring in
pairs as complex numbers
with their complex conju-
gates (for definition of co-
mplex numbers, see Cha-
p. 3). The Hamilton -Cayl-
ey theorem [19, p. 127] st-
ates that the ma-
trix A sa-
tisfies its own characteris-
tic equation. $P_n(A) = (-A$
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