Introduction to Coding Theory Assignment 13

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1 Q1

(a) $i = \alpha$, $j = \alpha^7$ i.e 0010, and 1011
(b) $i = \alpha^7$, $j = \alpha^{10}$ i.e 0111, and 1011
(c) $i = \alpha^2$, $j = \alpha^5$ i.e 0110, and 0100
(d) $i = \alpha^4$, $j = \alpha^9$ i.e 0011, and 1010