Class Practice

Design PDA for the following languages.

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i. \{w \mid w = x^m y^n \text{ where } m = 2n\}, Consider \Sigma = \{x,y\}

ii. \{w \mid w = x^m y^n \text{ where } n = 2m\}, Consider \Sigma = \{x,y\}

iii. \{w \mid w = x^j y^j z^k \text{ where } i + j = k\}, Consider \Sigma = \{x,y,z\}

iv. \{w \mid w = x^j y^j z^k \text{ where } i + k = j\}, Consider \Sigma = \{x,y,z\}

v. \{w \mid w = (x,y)^* \text{ where } x = y\}, Consider \Sigma = \{x,y\}
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