B. 4.
$$a_{n}=C1,0,0,11,0,0,11^{2},0,0,11^{3},...)=\sum_{i=0}^{\infty} 11^{i} \times^{3i} M$$

$$A(\lambda)=\frac{1}{1-10^{3}}$$

3.5
$$a_n = (0,0,1:2',0,0,2:2^2,0,0,3:2^3,...)$$

$$= (0,0,1:2',0,0,2:2^2,0,0,3:2^3,...)$$

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$$= (0,0,1:2',0,0,2:2^2,0,0,3:2^3,...)$$

$$a_n = (0,0,2,0,0,4,0,0,8,\frac{12x^2}{1-2x^3})$$
 $a_n = 22 2^{100} \times 31 = \frac{12x^2}{1-2x^3}$

$$VAN = (1-x)^2$$

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$$c_n = (0, 14, 22, 3.2^3, ...) = \frac{\infty}{2} n \cdot 2^n \times n = \frac{1}{(1-2)^n}$$

$$c_n = (0, 00, 1.2, 0, 0, 8.2^2, ...) = \frac{2}{2} n^2$$

$$a_n = (0,0,1.2,0,0,2.2^2,0...) = (1-2x^3)^2$$