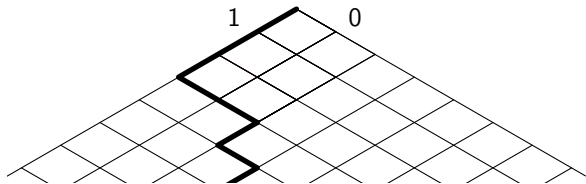


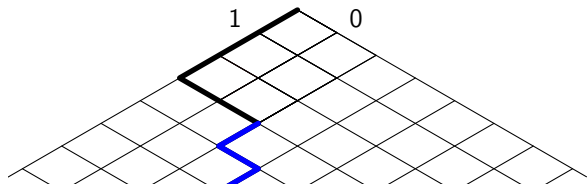
$$x \mapsto Px; \quad P(0^{m-s}1^s\mathbf{10}\dots) = 1^s0^{m-s}\mathbf{01}\dots \quad (1)$$

$$x = 11\mathbf{10}0101\dots$$



$$x \mapsto Px; \quad P(0^{m-s}1^s\mathbf{10}\dots) = 1^s0^{m-s}\mathbf{01}\dots \quad (1)$$

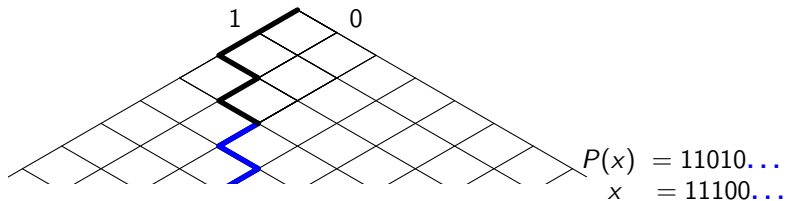
$$x = 11100\mathbf{101}\dots$$



$$x = 11100\dots$$

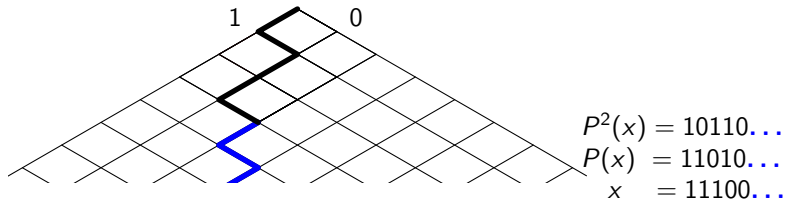
$$x \mapsto Px; \quad P(0^{m-s}1^s\mathbf{10}\dots) = 1^s0^{m-s}\mathbf{01}\dots \quad (1)$$

$$x = 11100\mathbf{101}\dots$$



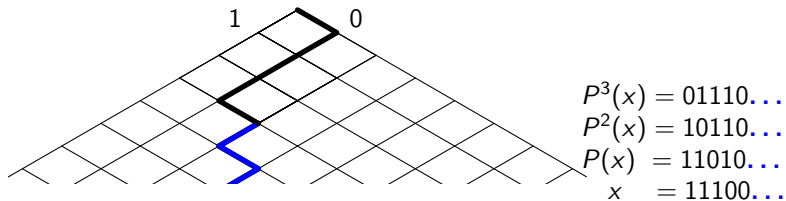
$$x \mapsto Px; \quad P(0^{m-s}1^s\mathbf{10}\dots) = 1^s0^{m-s}\mathbf{01}\dots \quad (1)$$

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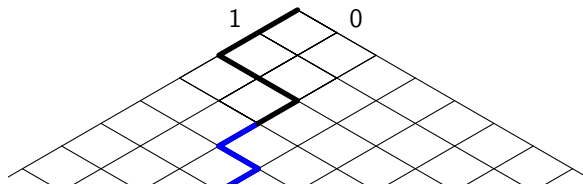
$$x \mapsto Px; \quad P(0^{m-s}1^s\mathbf{10}\dots) = 1^s0^{m-s}\mathbf{01}\dots \quad (1)$$

$$x = 11100\mathbf{101}\dots$$



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$$x = 11100\mathbf{101}\dots$$



$$P^4(x) = 11001\dots$$

$$P^3(x) = 01110\dots$$

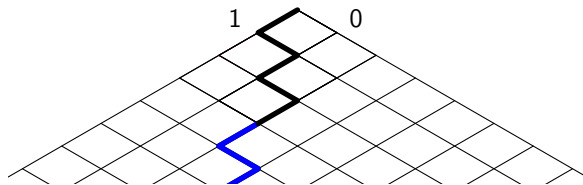
$$P^2(x) = 10110\dots$$

$$P(x) = 11010\dots$$

$$x = 11100\dots$$

$$x \mapsto Px; \quad P(0^{m-s}1^s\mathbf{10}\dots) = 1^s0^{m-s}\mathbf{01}\dots \quad (1)$$

$$x = 11100\mathbf{101}\dots$$



$$P^5(x) = 10101\dots$$

$$P^4(x) = 11001\dots$$

$$P^3(x) = 01110\dots$$

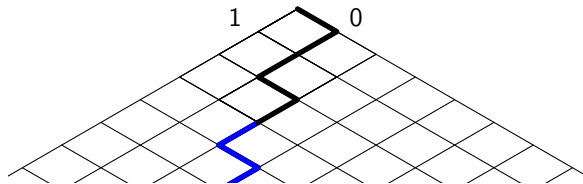
$$P^2(x) = 10110\dots$$

$$P(x) = 11010\dots$$

$$x = 11100\dots$$

$$x \mapsto Px; \quad P(0^{m-s}1^s\mathbf{10}\dots) = 1^s0^{m-s}\mathbf{01}\dots \quad (1)$$

$$x = 11100\mathbf{101}\dots$$



$$P^6(x) = 01101\dots$$

$$P^5(x) = 10101\dots$$

$$P^4(x) = 11001\dots$$

$$P^3(x) = 01110\dots$$

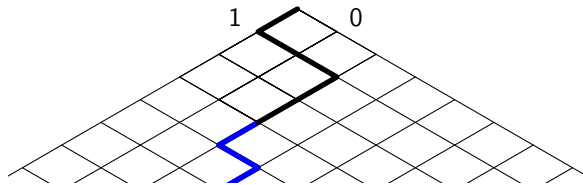
$$P^2(x) = 10110\dots$$

$$P(x) = 11010\dots$$

$$x = 11100\dots$$

$$x \mapsto Px; \quad P(0^{m-s}1^s\mathbf{10}\dots) = 1^s0^{m-s}\mathbf{01}\dots \quad (1)$$

$$x = 11100101\dots$$



$$P^7(x) = 10011\dots$$

$$P^6(x) = 01101\dots$$

$$P^5(x) = 10101\dots$$

$$P^4(x) = 11001\dots$$

$$P^3(x) = 01110\dots$$

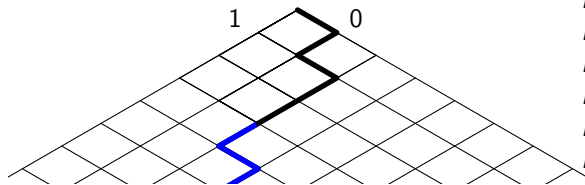
$$P^2(x) = 10110\dots$$

$$P(x) = 11010\dots$$

$$x = 11100\dots$$

$$x \mapsto Px; \quad P(0^{m-s}1^s\mathbf{10}\dots) = 1^s0^{m-s}\mathbf{01}\dots \quad (1)$$

$$x = 11100\mathbf{101}\dots$$



$$P^8(x) = 01011\dots$$

$$P^7(x) = 10011\dots$$

$$P^6(x) = 01101\dots$$

$$P^5(x) = 10101\dots$$

$$P^4(x) = 11001\dots$$

$$P^3(x) = 01110\dots$$

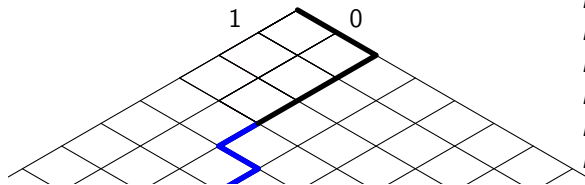
$$P^2(x) = 10110\dots$$

$$P(x) = 11010\dots$$

$$x = 11100\dots$$

$$x \mapsto Px; \quad P(0^{m-s}1^s\mathbf{10}\dots) = 1^s0^{m-s}\mathbf{01}\dots \quad (1)$$

$$x = 11100101\dots$$



$$P^9(x) = 00111\dots$$

$$P^8(x) = 01011\dots$$

$$P^7(x) = 10011\dots$$

$$P^6(x) = 01101\dots$$

$$P^5(x) = 10101\dots$$

$$P^4(x) = 11001\dots$$

$$P^3(x) = 01110\dots$$

$$P^2(x) = 10110\dots$$

$$P(x) = 11010\dots$$

$$x = 11100\dots$$

Towers of Pascal adic

Definition

Cylinders that contain vertices with k zeros and $n - k$ ones, ordered according to the reverse lexicographic order, form the floors of the Pascal adic towers. We denote these towers by $\tau_{n,k}$, $0 \leq k \leq n$, $n \in \mathbb{N}$.

$$\tau_{n,k} = \begin{bmatrix} \tau_{n-1,k}1 \\ \tau_{n-1,k-1}0 \end{bmatrix}$$

$$\tau_{n,n-k}(i) = \bar{\tau}_{n,k}(\binom{n}{k} - i)$$

Limiting curves for the Pascal Adic

Tower $\tau_{5,2}$:

```
0 0 1 1 1
0 1 0 1 1
1 0 0 1 1
0 1 1 0 1
1 0 1 0 1
1 1 0 0 1
0 1 1 1 0
1 0 1 1 0
1 1 0 1 0
1 1 1 0 0
```

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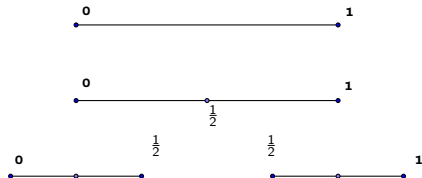
$$\tau_{n,n-k}(i) = \bar{\tau}_{n,k}(\binom{n}{k} - i)$$

Limiting curves for the Pascal Adic

Tower $\tau_{5,2}$:

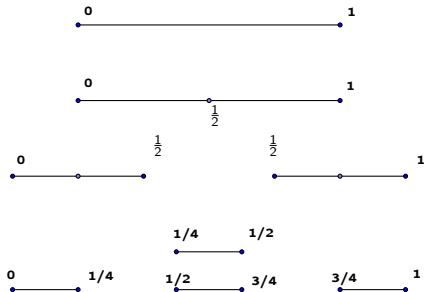
0 0 1 1 1
0 1 0 1 1
1 0 0 1 1
0 1 1 0 1
1 0 1 0 1
1 1 0 0 1
0 1 1 1 0
1 0 1 1 0
1 1 0 1 0
1 1 1 0 0

Cutting and stacking



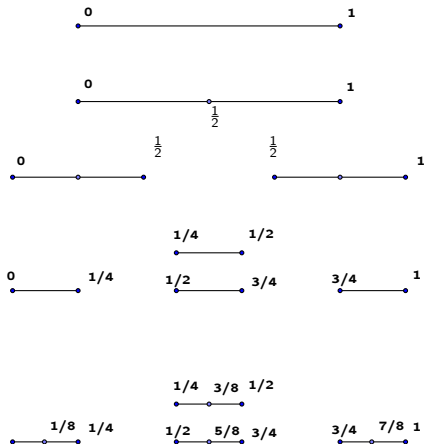
Limiting curves for the Pascal Adic

Cutting and stacking



Limiting curves for the Pascal Adic

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Limiting curves for the Pascal Adic