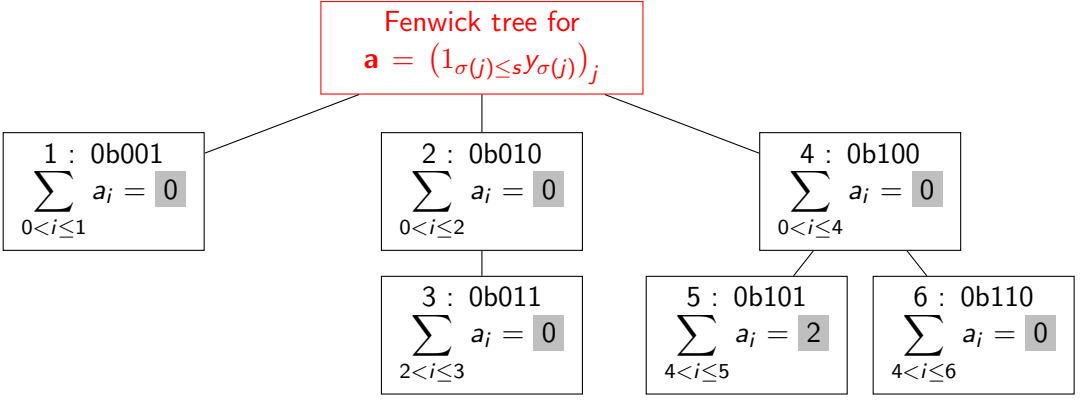
$s = 1 \qquad r_s = 1 \qquad \sigma^{-1}(s) = 5$

$\left(\mathbf{y}^{(s)}_{(i)}\right)_i = [\,2\,]$

$S^{(s)}_{r_s} = \sum_{j=1}^{\sigma^{-1}(s)} 1_{\sigma(j)\leq s} y_{\sigma(j)} = 2$

$\mathbf{y}$	2	1	3	-1	-3	-2
σ	5	6	4	2	1	3
$1_{\sigma(j)\leq s} y_{\sigma(j)}$	0	0	0	0	2	0

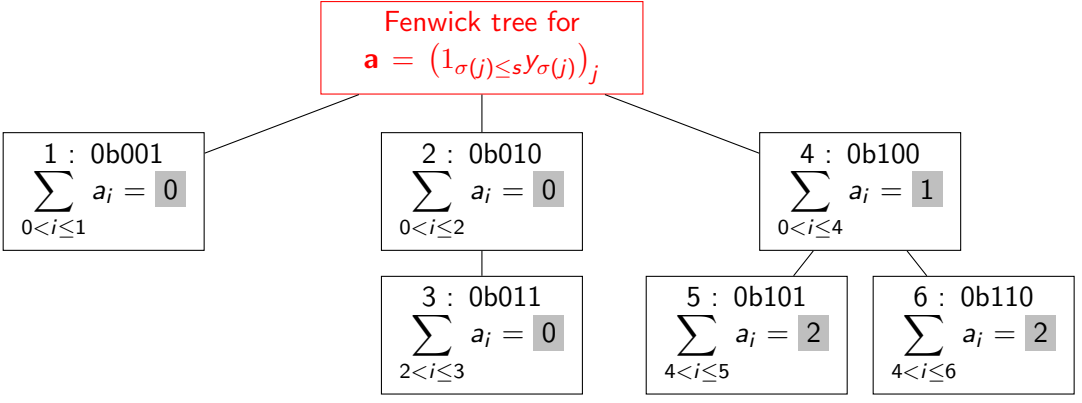


$s = 2 \qquad r_s = 1 \qquad \sigma^{-1}(s) = 4$

$\left(\mathbf{y}^{(s)}_{(i)}\right)_i = [\,1\,,\,2\,]$

$S^{(s)}_{r_s} = \sum_{j=1}^{\sigma^{-1}(s)} 1_{\sigma(j)\leq s} y_{\sigma(j)} = 1$

$\mathbf{y}$	2	1	3	-1	-3	-2
σ	5	6	4	2	1	3
$1_{\sigma(j)\leq s} y_{\sigma(j)}$	0	0	0	1	2	0

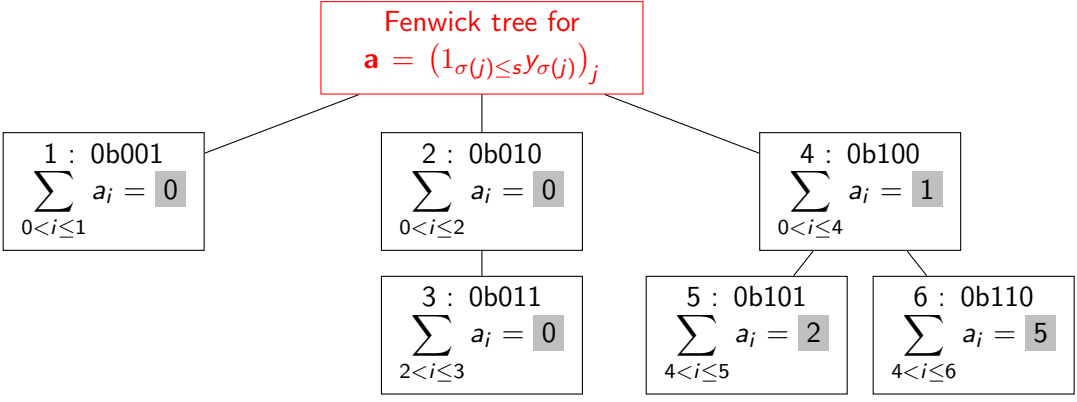


$\mathbf{y}$	2	1	3	-1	-3	-2
σ	5	6	4	2	1	3
$1_{\sigma(j)\leq s}y_{\sigma(j)}$	0	0	0	1	2	3

$s = 3 \qquad r_s = 3 \qquad \sigma^{-1}(s) = 6$

$\left(\mathbf{y}^{(s)}_{(i)}\right)_i = [\,1\,,\,2\,,\,3\,]$

$$S^{(s)}_{r_s} = \sum_{j=1}^{\sigma^{-1}(s)} 1_{\sigma(j)\leq s}y_{\sigma(j)} = 6$$

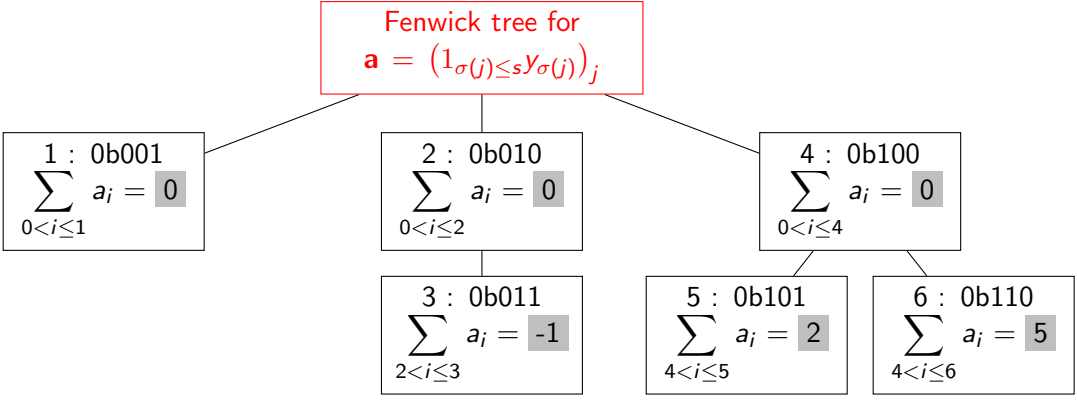


$\mathbf{y}$	2	1	3	-1	-3	-2
σ	5	6	4	2	1	3
$1_{\sigma(j)\leq s}y_{\sigma(j)}$	0	0	-1	1	2	3

$s = 4 \qquad r_s = 1 \qquad \sigma^{-1}(s) = 3$

$\left(\mathbf{y}^{(s)}_{(i)}\right)_i = [\,\text{-1}, 1, 2, 3\,]$

$$S^{(s)}_{r_s} = \sum_{j=1}^{\sigma^{-1}(s)} 1_{\sigma(j)\leq s}y_{\sigma(j)} = -1$$

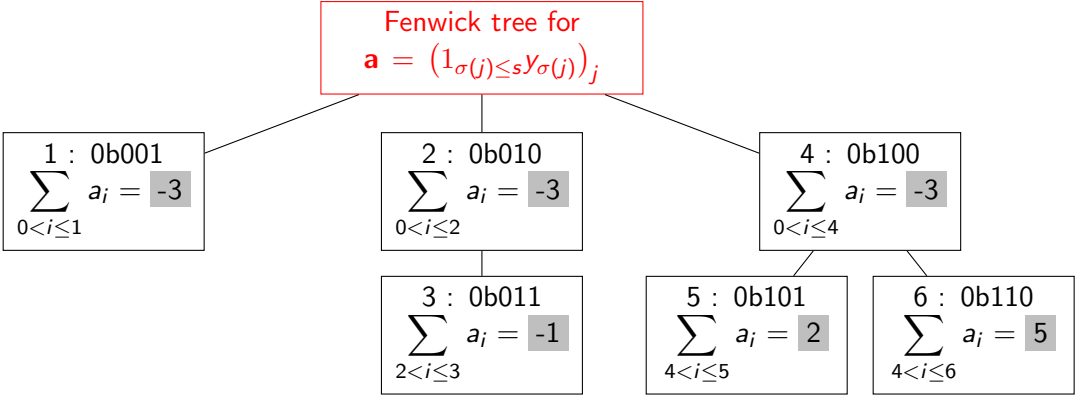


$\mathbf{y}$	2	1	3	-1	-3	-2
σ	5	6	4	2	1	3
$1_{\sigma(j)\leq s} y_{\sigma(j)}$	-3	0	-1	1	2	3

$s = 5 \qquad r_s = 1 \qquad \sigma^{-1}(s) = 1$

$\left(\mathbf{y}^{(s)}_{(i)}\right)_i = [\,\text{-3}, \text{-1}, 1, 2, 3\,]$

$$S^{(s)}_{r_s} = \sum_{j=1}^{\sigma^{-1}(s)} 1_{\sigma(j)\leq s} y_{\sigma(j)} = -3$$



$s = 6 \qquad r_s = 2 \qquad \sigma^{-1}(s) = 2$

$\mathbf{y}$	2	1	3	-1	-3	-2
σ	5	6	4	2	1	3
$1_{\sigma(j)\leq s} y_{\sigma(j)}$	-3	-2	-1	1	2	3

$$\left(\mathbf{y}^{(s)}_{(i)}\right)_i = [\,-3, -2, -1, 1, 2, 3\,]$$

$$S^{(s)}_{r_s} = \sum_{j=1}^{\sigma^{-1}(s)} 1_{\sigma(j)\leq s} y_{\sigma(j)} = -5$$