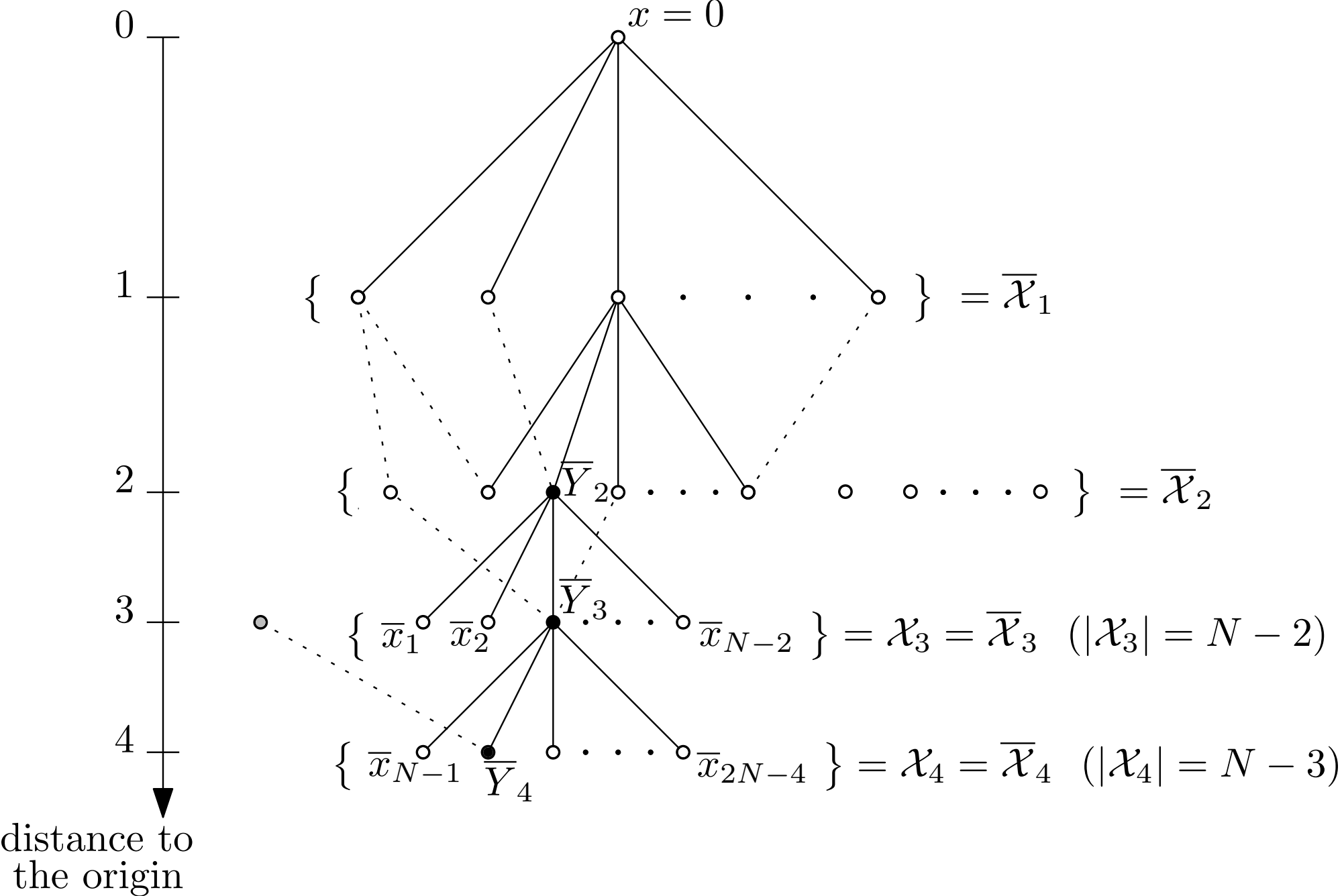
$x = 0$
0
1
2
3
4
$\{ \quad \} = \overline{\mathcal{X}}_1$
$\overline{Y}_2$
$\{ \quad \} = \overline{\mathcal{X}}_2$
$\overline{Y}_3$
$\{ \overline{x}_1 \ \overline{x}_2 \ \ldots \ \overline{x}_{N-2} \} = \mathcal{X}_3 = \overline{\mathcal{X}}_3 \quad (|\mathcal{X}_3| = N-2)$
$\{ \overline{x}_{N-1} \ \overline{Y}_4 \ \ldots \ \overline{x}_{2N-4} \} = \mathcal{X}_4 = \overline{\mathcal{X}}_4 \quad (|\mathcal{X}_4| = N-3)$
distance to
the origin