$$\overbrace{\bullet}^{s_1} \overbrace{\bullet}^{s_2} \bullet \bullet \bullet \overbrace{\bullet}^{s_{n+1}} \bullet$$

$x_0 = 0 \quad x_1 \qquad x_2 \qquad \qquad x_n \qquad x_{n+1} = s$