Polygonal Tree Structure

1: $P_1 \leftarrow$

2: $P_2 \leftarrow P_1$

3: $P_3 \leftarrow P_2$

4: $P_4 \leftarrow P_1$

5: $P_5 \leftarrow P_3$

6: $P_6 \leftarrow P_1$

7: $P_7 \leftarrow P_5$

8: $P_8 \leftarrow P_7$

9: $\vdots \leftarrow \vdots$