

Diagram illustrating a game tree structure for a 6-player game. The root node is labeled $-1 -4 -3 2 5 -6$. The tree branches into four main paths, each leading to a node with a sequence of 12 numbers. The branches are labeled with blue numbers indicating player moves or scores.

- Path 1 (Leftmost):** Root $-1 -4 -3 2 5 -6$ branches to $-1 -4 -5 -2 3 -6 3 4 1 2 5 -6$. This node branches into $-1 -4 -5 2 3 -6 3 4 1 2 5 -6$ (labeled $3,-2$) and $-1 -4 -5 2 3 -6 3 4 1 2 5 -6$ (labeled $5,-6$).
- Path 2:** Root $-1 -4 -3 2 5 -6$ branches to $-1 -4 -3 -2 5 -6$. This node branches into $-1 -4 -3 -2 5 -6$ (labeled $5,-4$) and $-1 -4 -3 -2 5 -6$ (labeled $5,-6$).
- Path 3:** Root $-1 -4 -3 2 5 -6$ branches to $-1 -2 3 4 5 -6$. This node branches into $-1 -2 3 4 5 -6$ (labeled $3,-2$) and $-1 -2 3 4 5 -6$ (labeled $5,-6$).
- Path 4 (Rightmost):** Root $-1 -4 -3 2 5 -6$ branches to $-1 -4 -3 2 5 6$. This node branches into $-1 -4 -3 2 5 6$ (labeled $2,-1$), $-1 -4 -3 2 5 6$ (labeled $2,-3$), and $-1 -4 -3 2 5 6$ (labeled $5,-4$).

The tree continues to branch further, with nodes labeled with sequences of 12 numbers. The final outcomes are listed at the bottom of the tree:

- $5 4 1 2 3 -6$
- $35 \text{DUP} -1 -4 -3 -2 5 -6$
- $1 2 3 4 5 -6$
- $-1 2 3 4 5 6$
- $11 \text{DUP} -1 2 3 4 5 6$
- $65 \text{DUP} 1 2 3 4 5 -6$
- $67 \text{DUP} -1 2 3 4 5 6$
- $80 \text{DUP} -1 2 3 4 5 6$
- $25 \text{DUP} -1 2 3 4 5 6$
- $88 \text{DUP} -1 2 3 4 5 6$
- $5 6 -3 -2 -1 -4$
- $36 \text{DUP} -1 2 3 4 5 -6$
- $41 \text{DUP} -1 -4 -3 -2 5 6$
- $6 \text{WIN} 1 2 3 4 5 6$
- $9 \text{WIN} 1 2 3 4 5 6$
- $12 \text{WIN} 1 2 3 4 5 6$
- $66 \text{WIN} 1 2 3 4 5 6$
- $68 \text{WIN} 1 2 3 4 5 6$
- $81 \text{WIN} 1 2 3 4 5 6$
- $26 \text{WIN} 1 2 3 4 5 6$
- $89 \text{WIN} 1 2 3 4 5 6$
- $1 2 3 -6 -5 -4$
- $37 \text{DUP} 1 2 3 4 5 -6$
- $39 \text{DUP} -1 2 3 4 5 6$
- $42 \text{DUP} -1 2 3 4 5 6$
- $34 \text{WIN} 1 2 3 4 5 6$
- $88 \text{WIN} 1 2 3 4 5 6$
- $40 \text{WIN} 1 2 3 4 5 6$
- $43 \text{WIN} 1 2 3 4 5 6$