```
V_{minmax}(s,d) = \begin{cases} Utility(s), & IsEnd(s) \\ Eval(s) & d = 0 \\ max_{a \in actions(s)} V_{minmax}(Succ(s,a),d) & Player(s) = a_0 \\ min_{a \in actions(s)} V_{minmax}(Succ(s,a),d) & Player(s) = a_1 \\ min_{a \in actions(s)} V_{minmax}(Succ(s,a),d) & Player(s) = a_2 \\ \vdots & & & \\ min_{a \in actions(s)} V_{minmax}(Succ(s,a),d-1) & Player(s) = a_n \end{cases}
```

```
V_{minmax}(s,d) = \begin{cases} Utility(s), & IsEnd(s) \\ Eval(s) & d = 0 \\ max_{a \in actions(s)} V_{minmax}(Succ(s,a),d) & Player(s) = a_0 \\ \sum_{a \in actions(s)} \frac{V_{minmax}(Succ(s,a),d)}{count(actions(s))} & Player(s) = a_1 \\ \sum_{a \in actions(s)} \frac{V_{minmax}(Succ(s,a),d)}{count(actions(s))} & Player(s) = a_2 \\ \vdots & \vdots & \vdots & \vdots \\ \sum_{a \in actions(s)} \frac{V_{minmax}(Succ(s,a),d-1)}{count(actions(s))} & Player(s) = a_n \end{cases}
```