# 118. Pascal's Triangle

## 118 Pascal's Triangle

array

#### **Description**

Given numRows, generate the first numRows of Pascal's triangle.

For example, given numRows = 5,

Return

```
[
    [1],
    [1,1],
    [1,2,1],
    [1,3,3,1],
    [1,4,6,4,1]
]
```

### 1. Thought line

```
Il initialization line 1

1 2 1

1 3 3 1

1 4 b 4 1

a_{i,j} = a_{i,j,n} + a_{i,j}, 0 \le \bar{\tau} \le \text{vesult}[line]-1
```

#### 2. Depth-first Search + Tree

```
result[i].push_back(lfElementUpLine+rtElementUpLine);
}
return result;
}
};
```