

getKeyElements from

<https://github.com/Saelra/StockNotifier/blob/main/components/BasicChart.tsx>

Cyclomatic calculation

1. $V(G) = 8 \text{ edges} - 7 \text{ nodes} + 2 = 3$.

2. $V(G) = 2 \text{ predicate nodes} + 1 = 3$.

Number of regions identified: 3

Independent paths determined: 4

```
1  function getKeyElements<T>(arr: T[]): T[] {  
2      const n = arr.length;  
3      if (n <= 3) {  
4          return arr;  
5      }  
6      const middleIndex = Math.floor(n / 2);  
7      const result: T[] = [];  
8      result.push(arr[0]);  
9      if (n % 2 === 1) {  
10         result.push(arr[middleIndex]);  
11     }  
12     result.push(arr[n - 1]);  
13     return result.slice(0, 5);  
14 }
```

