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```
1  'use strict';
2
3  module.exports = function expand(value) {
4    if (!isObject(value)) return value;
5    const res = Array.isArray(value) ? [] : {};
6    for (const key of Object.keys(value)) {
7      set(res, key, expand(value[key]));
8    }
9    return res;
10 };
11
12 function set(obj, prop, val) {
13   const segs = split(prop);
14   const last = segs.pop();
15   while (segs.length) {
16     const key = segs.shift();
17     obj = obj[key] || (obj[key] = {});
18   }
19   obj[last] = val;
20 }
21
22 function split(str) {
23   const segs = str.split('.');
24   const keys = [];
25   for (let i = 0; i < segs.length; i++) {
26     const seg = segs[i];
27     while (seg.slice(-1) === '\\') {
28       seg = seg.slice(0, -1) + '.' + (segs[++i] || '');
29     }
30     keys.push(seg);
31   }
32   return keys;
33 }
34
35 function isObject(val) {
36   return val !== null && typeof val === 'object';
37 }
```