

Practice4

We highly encourage being environment friendly and trying all problems on your own.

1

0/1 Knapsack Problem . There are 5 items that have a value and weight list below, the knapsack can contain at most 1000 Lbs. Solve the problem using **back-tracking** algorithm and try to draw the tree generated.

0-1背包问题。5个物品的价值和重量列表如下，背包最多可以装下1000磅。请使用 **回溯** 算法解决该问题，并尝试画出生成树。

	1	2	3	4	5
value (US \$)	20	30	65	40	60
weight (Lbs)	10	20	30	40	50
value / weight	2	1.5	2.1	1	1.2

2

Solve the **8-Queen problem** using **back-tracking** algorithm.

使用 **回溯** 算法解决 **8皇后问题**。