

You just updated your estimate! If you have a 4 lb knapsack, you can fit at least \$3,000 worth of goods in it. You can see from the grid that you're incrementally updating your estimate.

	1	2	3	4	
GUITAR	\$1500 G	\$1500 G	\$1500 G	\$1500 G	← OLD ESTIMATE
STEREO	\$1500 G	\$1500 G	\$1500 G	\$3000 S	← NEW ESTIMATE
LAPTOP					← FINAL SOLUTION

The laptop row

Let's do the same thing with the laptop! The laptop weighs 3 lb, so it won't fit into a 1 lb or a 2 lb knapsack. The estimate for the first two cells stays at \$1,500.

	1	2	3	4
GUITAR	\$1500 G	\$1500 G	\$1500 G	\$1500 G
STEREO	\$1500 G	\$1500 G	\$1500 G	\$3000 S
LAPTOP	\$1500 G	\$1500 G		

At 3 lb, the old estimate was \$1,500. But you can choose the laptop instead, and that's worth \$2,000. So the new max estimate is \$2,000!

	1	2	3	4
GUITAR	\$1500 G	\$1500 G	\$1500 G	\$1500 G
STEREO	\$1500 G	\$1500 G	\$1500 G	\$3000 S
LAPTOP	\$1500 G	\$1500 G	\$2000 L	

At 4 lb, things get really interesting. This is an important part. The current estimate is \$3,000. You can put the laptop in the knapsack, but it's only worth \$2,000.