MY HOBBY:
EMBEDDING NP-COMPLETE PROBLEMS IN RESTAURANT ORDERS

CHOTCHKIES RESTAURANT

~ APPETIZERS ~

MIXED FRUIT	2.15
FRENCH FRIES	2.75
SIDE SALAD	3.35
HOT WINGS	3.55
MOZZARELLA STICKS	4.20
SAMPLER PLATE	5.80

~ SANDWICHES ~

BARBECUE   6.55

General solutions get you a 50% tip.

WE'D LIKE EXACTLY $15.05 WORTH OF APPETIZERS, PLEASE.

...EXACTLY? UHH...

HERE, THESE PAPERS ON THE KNAPSACK PROBLEM MIGHT HELP YOU OUT.

LISTEN, I HAVE SIX OTHER TABLES TO GET TO —

— AS FAST AS POSSIBLE, OF COURSE. WANT SOMETHING ON TRAVELING SALESMAN?
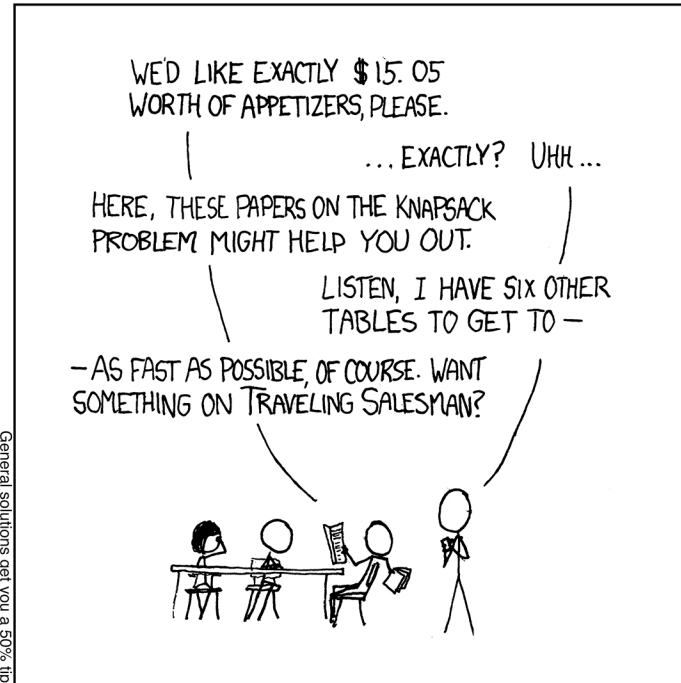
I WROTE A PERL SCRIPT TO GENERATE SETS OF PRICES WITH ONLY ONE SOLUTION. BUT THE SCRIPT HAD A BUG (YOU CAN'T COMPARE IEEE FLOATS FOR EQUALITY) SO THERE ARE ACTUALLY TWO, AND ONE IS EASY (7 MIXED FRUITS).

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