

Once  
Upon  
A  
Time...

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MIT DUSP '19

I was so hungry, but there was almost nothing logical in my fridge!



My pantry was a mash-up of odds and ends. What do I do?

I collect everything that I have and categorize the ingredients. I have...



WHICH OF THESE INGREDIENTS GO TOGETHER? ACCORDING TO "FLAVOR NETWORK AND THE PRINCIPLES OF FOOD PAIRING" BY AHN, AHNERT, BAGROW, AND BARABÁS,

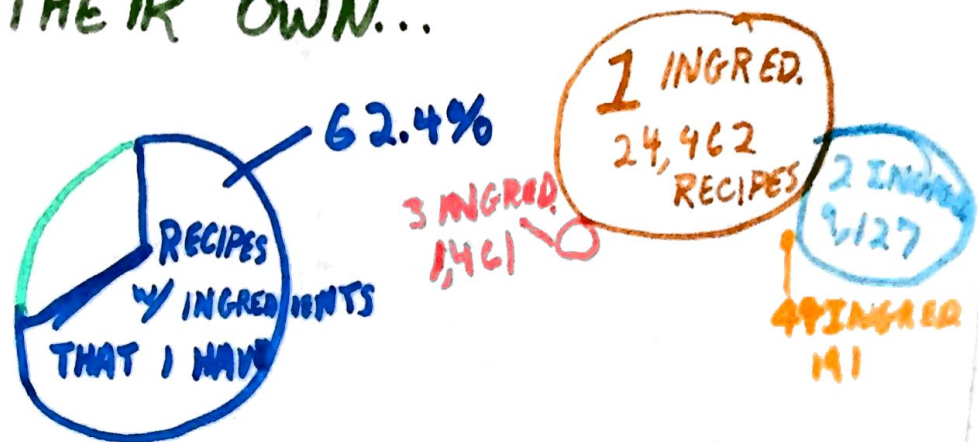
THESE GO TOGETHER <sup>AND</sup> THESE GO TOGETHER

COMBO	FREQ
COCOA + WHITE WINE	86
MILK + WHITE WINE	60 <sup>??</sup>
COCOA + MILK	52
MILK + RICE	41
RICE + WHITE WINE	39

LESS OFTEN

COMBO	FREQ
LETTUCE + CASHEW	1
MILK + OLIVE OIL	1
CHICKPEA + MILK	1
OLIVE OIL + PEACH	1
COCOA + OLIVE OIL	1

AFTER SCRAPING <sup>56,498</sup> RECIPES ON [epicurious.com](http://epicurious.com), [allrecipes.com](http://allrecipes.com), and [Menupan.com](http://Menupan.com), I FIND THAT THESE INGREDIENTS ARE ACTUALLY PRETTY USEFUL ON THEIR OWN...



~~...ALMOST TWO-THIRDS OF ALL RECIPES INCLUDE INGREDIENTS THAT I HAVE...~~

...ALMOST TWO-THIRDS OF ALL RECIPES INCLUDE INGREDIENTS THAT I HAVE...

... AND 191 RECIPES USE 4 OR MORE INGREDIENTS.

WITH THESE INGREDIENTS,  
I CAN MAKE THE MOST  
RECIPES FROM NORTH AMERICA,  
BUT I'M REEEALLY IN THE  
MOOD FOR AFRICAN FOOD...

RECIPES THAT INCLUDE  
INGREDIENTS I HAVE



UNFORTUNATELY, IT SEEMS  
LIKE I CAN'T MAKE A SINGLE  
FULL DISH

> WHERE  $\frac{[\text{FRIDGE\_INGREDIENTS}]}{[\text{TOTAL\_INGREDIENTS}]}$

0

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>

GUESS I'M ORDERING  
PIZZA AGAIN...

The  
End  
Z