























: mayo : ingredient : m1  
: mayo : ingredient : m2  
: mayo : ingredient : m3  
: mayo : name "Mayo"  
: cake : ingredient : c4  
: cake : ingredient : c5  
: cake : ingredient : c6  
: cake : ingredient : c7  
: cake : name "Cake"  
: m1 : type : oil  
: m1 : quantity 2  
: m1 : unit : cups  
: m2 : type : egg yolks  
: m2 : count 4  
: m3 : type : vinegar  
: m3 : quantity 15  
: m3 : unit : ml  
: c4 : type : sugar  
: c4 : quantity 1.5  
: c4 : unit : cups  
: c5 : type : egg  
: c5 : count 6  
: c6 : type : flour  
: c6 : quantity 1.5  
: c6 : unit : cups  
: c7 : type : vanilla  
: c7 : quantity 2  
: c7 : unit : tsp

```
[?recipe :name ?name  
[?recipe :ingredient ?i]  
[?i :unit :cups]  
[?i :quantity ?q]  
[?i :type :flour]  
[( <= ?q 2) ]
```

































```
:mayo :ingredient :m1
:mayo :ingredient :m2
:mayo :ingredient :m3
:mayo :name "Mayo"
:cake :ingredient :c4
:cake :ingredient :c5
:cake :ingredient :c6
:cake :ingredient :c7
:cake :name "Cake"
:m1 :type :oil
:m1 :quantity 2
:m1 :unit :cups
:m2 :type :eggyolks
:m2 :count 4
:m3 :type :vinegar
:m3 :quantity 15
:m3 :unit :ml
:c4 :type :sugar
:c4 :quantity 1.5
:c4 :unit cups
:c5 :type :egg
:c5 :count 6
:c6 :type :flour
:c6 :quantity 1.5
:c6 :unit :cups
:c7 :type vanilla
:c7 :quantity 2
:c7 :unit :tsp
```

```
[?recipe :name ?name
[?recipe :ingredient ?i]
[?i :unit :cups]
[?i :quantity ?q]
[?i :type :flour]
[(<= ?q 2)]
```



**?recipe :name ?name**

:mayo :name “Mayo”

:cake :name “Cake”

**?recipe :ingredient ?i**

:mayo :ingredient :m1

:mayo :ingredient :m2

:mayo :ingredient :m3

:cake :ingredient :c4

:cake :ingredient :c5

:cake :ingredient :c6

:cake :ingredient :c7