

Reading File

```
In [458... import csv
import time
import pandas as pd
import itertools
```

```
In [459... def load_data(filename):
    full_transaction_list= []
    with open(filename, encoding = 'utf-8-sig') as data:
        transaction_data = csv.reader(data, delimiter = ',')
        for row in transaction_data:
            filtered_rows = [value for value in row if value != '']
            full_transaction_list.append(filtered_rows)
    return full_transaction_list
```

```
In [460... #Asking the user to input the file
new_list = load_data(input('please enter file name\n'))

please enter file name
Transactions_4.csv
```

Asking user for min support and confidence

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In [461... try:
    user_input_minsupport =int(input('Please enter the minimum support value
    user_input_minConfidence = int(input('\nPlease enter the min confidence
except:
    if user_input_minsupport == int(user_input_minsupport) or user_input_min
        print('please enter a numerical value')
```

Please enter the minimum support value in percentage ex: 25 is 25%:

45

Please enter the min confidence value n percentage ex: 50 is 50%:

85

Transaction 4

Apriori Algorithm

```
In [462... start_time = time.time()

#function to find all the unique values with their counts
def Uniquevalues(Transactions):
    unique_items = {}
    for rows in Transactions:
        for items in rows:
            if items not in unique_items:
                unique_items[items] = 1
            else:
                unique_items[items] = unique_items[items] + 1
    uniqueitemlist = []
    for value in unique_items:
        Valuelist = []
        Valuelist.append(value)
        uniqueitemlist.append(Valuelist)
        uniqueitemlist.append(unique_items[value])
    return uniqueitemlist
```

```
In [463... One_UniqueItems = Uniquevalues(new_list)
print('These are the unique items for Transaction 1:\n\n', One_UniqueItems)

These are the unique items for Transaction 1:
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```
[[ 'Running Shoe'], 14, [ 'Socks'], 13, [ 'Sweatshirts'], 13, [ 'Modern Pant
s'], 10, [ 'Soccer Shoe'], 6, [ 'Tech Pants'], 9, [ 'Rash Guard'], 12, [ 'Hoodie
s'], 8, [ 'Swimming Shirt'], 11, [ 'Dry Fit V-Nick'], 10]
```

```
In [464... #function used to remove the items that do not meet the threshold
def remove_lessthansupportone(Candidates, transactions):
    Firstcandidate_list= []
    for i in range(len(Candidates)):
        if i%2 != 0:
            if (Candidates[i] / len(new_list))*100 >= user_input_minsupport:
                Firstcandidate_list.append(Candidates[i-1])
                Firstcandidate_list.append(Candidates[i])
    candidatesforcombo = []
    for i in range(len(Firstcandidate_list)):
        if i%2 == 0:
            candidatesforcombo.append(Firstcandidate_list[i])
    return candidatesforcombo
```

```
In [465... removed_first = remove_lessthansupportone(One_UniqueItems, new_list)
print('\nThese are the candidates after the first pass\n\n',removed_first )

These are the candidates after the first pass
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```
[[ 'Running Shoe'], [ 'Socks'], [ 'Sweatshirts'], [ 'Modern Pants'], [ 'Tech Pan
ts'], [ 'Rash Guard'], [ 'Swimming Shirt'], [ 'Dry Fit V-Nick']]
```

```
In [466... #function used to output all possible combinations (k itemsets)
def Allpossiblecombinations(candidatesforcombo):
    if not candidatesforcombo:
        return [[]]
    first= candidatesforcombo[0]
    Allothers = candidatesforcombo[1:]
    Withoutfirst = Allpossiblecombinations(Allothers)
    Withfirst = [combo + [first] for combo in Withoutfirst]
    Combinedlist=Withoutfirst + Withfirst
    return Combinedlist
```

```
In [467... All_combos = Allpossiblecombinations(removed_first)
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```
In [468... #function used to add the number of counts to the list provided before
def allcombosunique(Combination, dataset):
    from collections import Counter
    Count = Counter()
    for row in Combination:
        for s in dataset:
            if all(item in s for item in sum(row, [])):
                Count[tuple(map(tuple, row))] += 1
    listcount = [[list(subset), count] for subset, count in Count.items()]
    return(listcount)
```

```
In [469... All_uniquecombos = allcombosunique(All_combos, new_list)
print('\nAll unique possible combinations\n',All_uniquecombos )
```

All unique possible combinations

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s',), ('Running Shoe',)], 4], [[('Swimming Shirt',), ('Sweatshirts',), ('Soc
ks',), ('Running Shoe',)], 4], [[('Dry Fit V-Nick',), ('Swimming Shirt',),
('Sweatshirts',), ('Socks',), ('Running Shoe',)], 4], [[('Rash Guard',), ('S
weatshirts',), ('Socks',), ('Running Shoe',)], 5], [[('Dry Fit V-Nick',), ('
Rash Guard',), ('Sweatshirts',), ('Socks',), ('Running Shoe',)], 4], [[('Swi
mming Shirt',), ('Rash Guard',), ('Sweatshirts',), ('Socks',), ('Running Sho
e',)], 4], [[('Dry Fit V-Nick',), ('Swimming Shirt',), ('Rash Guard',), ('Sw
eatshirts',), ('Socks',), ('Running Shoe',)], 4], [[('Tech Pants',), ('Sweat
shirts',), ('Socks',), ('Running Shoe',)], 5], [[('Dry Fit V-Nick',), ('Tech

```

```

Pants',), ('Sweatshirts',), ('Socks',), ('Running Shoe',)], 4], [[('Swimming
Shirt',), ('Tech Pants',), ('Sweatshirts',), ('Socks',), ('Running Shoe',)],
4], [[('Dry Fit V-Nick',), ('Swimming Shirt',), ('Tech Pants',), ('Sweatshir
ts',), ('Socks',), ('Running Shoe',)], 4], [[('Rash Guard',), ('Tech Pant
s',), ('Sweatshirts',), ('Socks',), ('Running Shoe',)], 5], [[('Dry Fit V-Ni
ck',), ('Rash Guard',), ('Tech Pants',), ('Sweatshirts',), ('Socks',), ('Run
ning Shoe',)], 4], [[('Swimming Shirt',), ('Rash Guard',), ('Tech Pants',),
('Sweatshirts',), ('Socks',), ('Running Shoe',)], 4], [[('Dry Fit V-Nick',),
('Swimming Shirt',), ('Rash Guard',), ('Tech Pants',), ('Sweatshirts',), ('S
ocks',), ('Running Shoe',)], 4], [[('Modern Pants',), ('Sweatshirts',), ('So
cks',), ('Running Shoe',)], 8], [[('Dry Fit V-Nick',), ('Modern Pants',), ('
Sweatshirts',), ('Socks',), ('Running Shoe',)], 4], [[('Swimming Shirt',),
('Modern Pants',), ('Sweatshirts',), ('Socks',), ('Running Shoe',)], 4],
[[('Dry Fit V-Nick',), ('Swimming Shirt',), ('Modern Pants',), ('Sweatshirt
s',), ('Socks',), ('Running Shoe',)], 4], [[('Rash Guard',), ('Modern Pant
s',), ('Sweatshirts',), ('Socks',), ('Running Shoe',)], 5], [[('Dry Fit V-Ni
ck',), ('Rash Guard',), ('Modern Pants',), ('Sweatshirts',), ('Socks',), ('R
unning Shoe',)], 4], [[('Swimming Shirt',), ('Rash Guard',), ('Modern Pant
s',), ('Sweatshirts',), ('Socks',), ('Running Shoe',)], 4], [[('Dry Fit V-Ni
ck',), ('Swimming Shirt',), ('Rash Guard',), ('Modern Pants',), ('Sweatshirt
s',), ('Socks',), ('Running Shoe',)], 4], [[('Tech Pants',), ('Modern Pant
s',), ('Sweatshirts',), ('Socks',), ('Running Shoe',)], 5], [[('Dry Fit V-Ni
ck',), ('Tech Pants',), ('Modern Pants',), ('Sweatshirts',), ('Socks',), ('R
unning Shoe',)], 4], [[('Swimming Shirt',), ('Tech Pants',), ('Modern Pant
s',), ('Sweatshirts',), ('Socks',), ('Running Shoe',)], 4], [[('Dry Fit V-Ni
ck',), ('Swimming Shirt',), ('Tech Pants',), ('Modern Pants',), ('Sweatshirt
s',), ('Socks',), ('Running Shoe',)], 4], [[('Rash Guard',), ('Tech Pant
s',), ('Modern Pants',), ('Sweatshirts',), ('Socks',), ('Running Shoe',)],
5], [[('Dry Fit V-Nick',), ('Rash Guard',), ('Tech Pants',), ('Modern Pant
s',), ('Sweatshirts',), ('Socks',), ('Running Shoe',)], 4], [[('Swimming Shi
rt',), ('Rash Guard',), ('Tech Pants',), ('Modern Pants',), ('Sweatshirt
s',), ('Socks',), ('Running Shoe',)], 4], [[('Dry Fit V-Nick',), ('Swimming
Shirt',), ('Rash Guard',), ('Tech Pants',), ('Modern Pants',), ('Sweatshirt
s',), ('Socks',), ('Running Shoe',)], 4]]

```

```

In [470... #Second function to remove the items that do not meet the threshold
def remove_lessthansupporttwo(Candidates, dataset):
    list1 = []
    for outlist in Candidates:
        if len(outlist) >= 2:
            second_object = outlist[1]
            if (second_object / len(new_list))*100 >= user_input_minsupport:
                list1.append(outlist[0])
                list1.append(outlist[1])
    return list1

```

```

In [471... removed_second = remove_lessthansupporttwo(All_uniquecombos, new_list)
print('\nThese are the candidates after the next pass\n',removed_second )

```


These are the candidates after the next pass

```
[[], 20, [('Dry Fit V-Nick',)], 10, [('Swimming Shirt',)], 11, [('Dry Fit V-Nick',), ('Swimming Shirt',)], 9, [('Rash Guard',)], 12, [('Dry Fit V-Nick',), ('Rash Guard',)], 10, [('Swimming Shirt',), ('Rash Guard',)], 10, [('Dry Fit V-Nick',), ('Swimming Shirt',), ('Rash Guard',)], 9, [('Tech Pants',)], 9, [('Rash Guard',), ('Tech Pants',)], 9, [('Modern Pants',)], 10, [('Sweatshirts',)], 13, [('Modern Pants',), ('Sweatshirts',)], 10, [('Sock s',)], 13, [('Modern Pants',), ('Socks',)], 9, [('Sweatshirts',), ('Sock s',)], 12, [('Modern Pants',), ('Sweatshirts',), ('Socks',)], 9, [('Running Shoe',)], 14, [('Modern Pants',), ('Running Shoe',)], 9, [('Sweatshirts',), ('Running Shoe',)], 11, [('Modern Pants',), ('Sweatshirts',), ('Running Sho e',)], 9, [('Socks',), ('Running Shoe',)], 11, [('Sweatshirts',), ('Sock s',), ('Running Shoe',)], 10]
```

In [472...

```
def Rules(CandidateSet):
    CandidateRule = []
    for candidates in CandidateSet:
        if isinstance(candidates, list):
            if len(candidates) != 0:
                length_candidates = len(candidates) - 1
                while length_candidates > 0:
                    combos = list(itertools.combinations(candidates, length_candidates))
                    combolist = []
                    Left = []
                    for Right in combos:
                        Left = set(candidates) - set(Right)
                        combolist.append(list(Left))
                        combolist.append(list(Right))
                        CandidateRule.append(combolist)
                        combolist = []
                    length_candidates = length_candidates - 1

    return CandidateRule
```

In [473...

```
Associationrules = Rules(removed_second)
print('\nThese are the association rules\n\n', Associationrules )
```

These are the association rules

```

[[('Swimming Shirt',)], [('Dry Fit V-Nick',)]], [('Dry Fit V-Nick',)],
[('Swimming Shirt',)], [('Rash Guard',)], [('Dry Fit V-Nick',)], [('Dry
Fit V-Nick',)], [('Rash Guard',)], [('Rash Guard',)], [('Swimming Shir
t',)], [('Swimming Shirt',)], [('Rash Guard',)], [('Rash Guard',)], [('D
ry Fit V-Nick',), ('Swimming Shirt',)], [('Swimming Shirt',)], [('Dry Fit
V-Nick',), ('Rash Guard',)], [('Dry Fit V-Nick',)], [('Swimming Shirt',),
('Rash Guard',)], [('Rash Guard',), ('Swimming Shirt',)], [('Dry Fit V-Nic
k',)], [('Dry Fit V-Nick',), ('Rash Guard',)], [('Swimming Shirt',)],
[('Dry Fit V-Nick',), ('Swimming Shirt',)], [('Rash Guard',)], [('Tech Pa
nts',)], [('Rash Guard',)], [('Rash Guard',)], [('Tech Pants',)], [('Swe
atshirts',)], [('Modern Pants',)], [('Modern Pants',)], [('Sweatshirt
s',)], [('Socks',)], [('Modern Pants',)], [('Modern Pants',)], [('Sock
s',)], [('Socks',)], [('Sweatshirts',)], [('Sweatshirts',)], [('Sock
s',)], [('Socks',)], [('Modern Pants',), ('Sweatshirts',)], [('Sweatshir
ts',)], [('Modern Pants',), ('Socks',)], [('Modern Pants',)], [('Sweatshir
ts',), ('Socks',)], [('Sweatshirts',), ('Socks',)], [('Modern Pants',)],
[('Modern Pants',), ('Socks',)], [('Sweatshirts',)], [('Modern Pants',),
('Sweatshirts',)], [('Socks',)], [('Running Shoe',)], [('Modern Pant
s',)], [('Modern Pants',)], [('Running Shoe',)], [('Running Shoe',)],
[('Sweatshirts',)], [('Sweatshirts',)], [('Running Shoe',)], [('Running
Shoe',)], [('Modern Pants',), ('Sweatshirts',)], [('Sweatshirts',)], [('Mo
dern Pants',), ('Running Shoe',)], [('Modern Pants',)], [('Sweatshirts',),
('Running Shoe',)], [('Sweatshirts',), ('Running Shoe',)], [('Modern Pant
s',)], [('Modern Pants',), ('Running Shoe',)], [('Sweatshirts',)], [('Mo
dern Pants',), ('Sweatshirts',)], [('Running Shoe',)], [('Running Sho
e',)], [('Socks',)], [('Socks',)], [('Running Shoe',)], [('Running Sho
e',)], [('Sweatshirts',), ('Socks',)], [('Socks',)], [('Sweatshirts',), ('
Running Shoe',)], [('Sweatshirts',)], [('Socks',), ('Running Shoe',)],
[('Running Shoe',), ('Socks',)], [('Sweatshirts',)], [('Sweatshirts',),
('Running Shoe',)], [('Socks',)], [('Sweatshirts',), ('Socks',)], [('Runni
ng Shoe',)]]]

```

```
In [474... def Apriori(Associationrules, new_list, user_input_minConfidence):
    AAlgorithm = []
    for rule in Associationrules:
        first = set(item[0] for item in rule[0])
        Asupport = 0
        ABsupport = 0
        for transaction in new_list:
            if first.issubset(set(transaction)):
                Asupport += 1
            if all(set(item) <= set(transaction) for each in rule for item in i
                ABsupport += 1
        CalculateASupport = (Asupport * 1.0 / len(new_list)) * 100
        CalculateABSupport = (ABsupport * 1.0 / len(new_list)) * 100
        confidence = (CalculateABSupport / CalculateASupport) * 100
        if confidence >= user_input_minConfidence:
            OutputASupport = "A Support is: " + str(round(CalculateASupport,
            OutputABSupport = "\nA&B support is: " + str(CalculateABSupport)
            OutputConfidence = "\nConfidence is: " + str(round(confidence))
            AAlgorithm.append(OutputASupport)
            AAlgorithm.append(OutputABSupport)
            AAlgorithm.append(OutputConfidence)
            AAlgorithm.append(rule)
    return AAlgorithm
```

```
In [475... Apriori = Apriori(Associationrules, new_list, user_input_minConfidence)
print('\nApriori algorithm\n', Apriori )
```

Apriori algorithm

```
[ 'A Support is: 50.0', '\nA&B support is: 45.0', '\nConfidence is: 90',
[[('Dry Fit V-Nick',)], [('Swimming Shirt',)]], 'A Support is: 50.0', '\nA&B
support is: 50.0', '\nConfidence is: 100', [[('Dry Fit V-Nick',)], [('Rash G
uard',)]], 'A Support is: 55.0', '\nA&B support is: 50.0', '\nConfidence is:
91', [[('Swimming Shirt',)], [('Rash Guard',)]], 'A Support is: 50.0', '\nA&
B support is: 45.0', '\nConfidence is: 90', [[('Dry Fit V-Nick',)], [('Swimm
ing Shirt',)], ('Rash Guard',)]], 'A Support is: 50.0', '\nA&B support is: 4
5.0', '\nConfidence is: 90', [[('Rash Guard',)], ('Swimming Shirt',)], [('Dry
Fit V-Nick',)]], 'A Support is: 50.0', '\nA&B support is: 45.0', '\nConfiden
ce is: 90', [[('Dry Fit V-Nick',)], ('Rash Guard',)], [('Swimming Shirt',)]],
'A Support is: 45.0', '\nA&B support is: 45.0', '\nConfidence is: 100', [[('
Dry Fit V-Nick',)], ('Swimming Shirt',)], [('Rash Guard',)]], 'A Support is:
45.0', '\nA&B support is: 45.0', '\nConfidence is: 100', [[('Tech Pants',)],
[('Rash Guard',)]], 'A Support is: 50.0', '\nA&B support is: 50.0', '\nConfi
dence is: 100', [[('Modern Pants',)], [('Sweatshirts',)]], 'A Support is: 5
0.0', '\nA&B support is: 45.0', '\nConfidence is: 90', [[('Modern Pants',)],
[('Socks',)]], 'A Support is: 65.0', '\nA&B support is: 60.0', '\nConfidence
is: 92', [[('Socks',)], [('Sweatshirts',)]], 'A Support is: 65.0', '\nA&B su
pport is: 60.0', '\nConfidence is: 92', [[('Sweatshirts',)], [('Socks',)]],
'A Support is: 50.0', '\nA&B support is: 45.0', '\nConfidence is: 90', [[('M
odern Pants',)], [('Sweatshirts',)], ('Socks',)]], 'A Support is: 45.0', '\n
A&B support is: 45.0', '\nConfidence is: 100', [[('Modern Pants',)], ('Sock
s',)], [('Sweatshirts',)]], 'A Support is: 50.0', '\nA&B support is: 45.0',
'\nConfidence is: 90', [[('Modern Pants',)], ('Sweatshirts',)], [('Sock
s',)]], 'A Support is: 50.0', '\nA&B support is: 45.0', '\nConfidence is: 9
0', [[('Modern Pants',)], [('Running Shoe',)]], 'A Support is: 50.0', '\nA&B
support is: 45.0', '\nConfidence is: 90', [[('Modern Pants',)], [('Sweatshir
ts',)], ('Running Shoe',)]], 'A Support is: 45.0', '\nA&B support is: 45.0',
'\nConfidence is: 100', [[('Modern Pants',)], ('Running Shoe',)], [('Sweatshi
rts',)]], 'A Support is: 50.0', '\nA&B support is: 45.0', '\nConfidence is:
90', [[('Modern Pants',)], ('Sweatshirts',)], [('Running Shoe',)]], 'A Suppor
t is: 55.0', '\nA&B support is: 50.0', '\nConfidence is: 91', [[('Running Sh
oe',)], ('Socks',)], [('Sweatshirts',)]], 'A Support is: 55.0', '\nA&B suppor
t is: 50.0', '\nConfidence is: 91', [[('Sweatshirts',)], ('Running Shoe',)],
[('Socks',)]]]
```

```
In [476... counter = 1
for i in Apriori:
    if counter == 4:
        print("\n"+str(i[0]) + "----->" + str(i[1])+"\n")
        counter = 0
    else:
        print(i, end=' ')
        counter = counter + 1
elapsed_time = time.time() - start_time
print("--- %s seconds ---" % (elapsed_time))
```

```
A Support is: 50.0
A&B support is: 45.0
Confidence is: 90
[('Dry Fit V-Nick',)]----->[('Swimming Shirt',)]
```

```

A Support is: 50.0
A&B support is: 50.0
Confidence is: 100
[('Dry Fit V-Nick',)]----->[('Rash Guard',)]

A Support is: 55.0
A&B support is: 50.0
Confidence is: 91
[('Swimming Shirt',)]----->[('Rash Guard',)]

A Support is: 50.0
A&B support is: 45.0
Confidence is: 90
[('Dry Fit V-Nick',)]----->[('Swimming Shirt',), ('Rash Guard',)]

A Support is: 50.0
A&B support is: 45.0
Confidence is: 90
[('Rash Guard',), ('Swimming Shirt',)]----->[('Dry Fit V-Nick',)]

A Support is: 50.0
A&B support is: 45.0
Confidence is: 90
[('Dry Fit V-Nick',), ('Rash Guard',)]----->[('Swimming Shirt',)]

A Support is: 45.0
A&B support is: 45.0
Confidence is: 100
[('Dry Fit V-Nick',), ('Swimming Shirt',)]----->[('Rash Guard',)]

A Support is: 45.0
A&B support is: 45.0
Confidence is: 100
[('Tech Pants',)]----->[('Rash Guard',)]

A Support is: 50.0
A&B support is: 50.0
Confidence is: 100
[('Modern Pants',)]----->[('Sweatshirts',)]

A Support is: 50.0
A&B support is: 45.0
Confidence is: 90
[('Modern Pants',)]----->[('Socks',)]

A Support is: 65.0
A&B support is: 60.0
Confidence is: 92
[('Socks',)]----->[('Sweatshirts',)]

A Support is: 65.0
A&B support is: 60.0
Confidence is: 92

```

```

[('Sweatshirts',)]----->[('Socks',)]

A Support is: 50.0
A&B support is: 45.0
Confidence is: 90
[('Modern Pants',)]----->[('Sweatshirts',), ('Socks',)]

A Support is: 45.0
A&B support is: 45.0
Confidence is: 100
[('Modern Pants',), ('Socks',)]----->[('Sweatshirts',)]

A Support is: 50.0
A&B support is: 45.0
Confidence is: 90
[('Modern Pants',), ('Sweatshirts',)]----->[('Socks',)]

A Support is: 50.0
A&B support is: 45.0
Confidence is: 90
[('Modern Pants',)]----->[('Running Shoe',)]

A Support is: 50.0
A&B support is: 45.0
Confidence is: 90
[('Modern Pants',)]----->[('Sweatshirts',), ('Running Shoe',)]

A Support is: 45.0
A&B support is: 45.0
Confidence is: 100
[('Modern Pants',), ('Running Shoe',)]----->[('Sweatshirts',)]

A Support is: 50.0
A&B support is: 45.0
Confidence is: 90
[('Modern Pants',), ('Sweatshirts',)]----->[('Running Shoe',)]

A Support is: 55.0
A&B support is: 50.0
Confidence is: 91
[('Running Shoe',), ('Socks',)]----->[('Sweatshirts',)]

A Support is: 55.0
A&B support is: 50.0
Confidence is: 91
[('Sweatshirts',), ('Running Shoe',)]----->[('Socks',)]

--- 0.08981990814208984 seconds ---

```

Brute Force

```
In [477... import pandas as pd
import time
from itertools import combinations
```

```
In [478... Transactiondata = input("Enter the file name: ")
minsupport = float(input('Please enter the minimum support value'))
```

```
Enter the file name: Transactions_4.csv
Please enter the minimum support value45
```

```
In [479... start_time = time.time()
transaction = pd.read_csv(Transactiondata, header =None)
TransactionforSum = pd.get_dummies(transaction.unstack().dropna()).groupby(1
UniqueItems = TransactionforSum.sum()
```

```
In [480... print('\nThese are all unique one item sets:\n\n', UniqueItems)
```

```
These are all unique one item sets:
```

```
   Dry Fit V-Nick      10
   Hoodies            8
   Modern Pants       10
   Rash Guard         12
   Running Shoe       14
   Soccer Shoe         6
   Socks              13
   Sweatshirts        13
   Swimming Shirt     11
   Tech Pants          9
dtype: int64
```

```
In [481... OneItemSets = pd.DataFrame((UniqueItems / len(transaction) * 100), columns =
OneFrequentItems = OneItemSets[OneItemSets['support'] >= minsupport]
print('These are the Frequent One Item sets:\n', OneFrequentItems)
```

```
These are the Frequent One Item sets:
```

```
              support
Dry Fit V-Nick    50.0
Modern Pants      50.0
Rash Guard        60.0
Running Shoe      70.0
Socks             65.0
Sweatshirts       65.0
Swimming Shirt    55.0
Tech Pants        45.0
```

```
In [482... import itertools
items = UniqueItems.index
combos = list(itertools.combinations(items, 2))
combinations = []
for combo in combos:
    combinations.append(combo)
```

```
In [483... combo_counts = {}
for i in range(len(combinations)):
    combo = combinations[i]
    count = 0
    for index, row in transaction.iterrows():
        if set(combo).issubset(row):
            count += 1
    combo_counts[i+1] = count
print('These are all the two possible combinations:\n\n')
for combo_num, count in combo_counts.items():
    print(f"({combinations[combo_num-1]}) , Number of repetitions {count}.")
```


These are all the two possible combinations:

```
(('Dry Fit V-Nick', 'Hoodies')) , Number of repetitions 7.
(('Dry Fit V-Nick', 'Modern Pants')) , Number of repetitions 5.
(('Dry Fit V-Nick', 'Rash Guard')) , Number of repetitions 10.
(('Dry Fit V-Nick', 'Running Shoe')) , Number of repetitions 5.
(('Dry Fit V-Nick', 'Soccer Shoe')) , Number of repetitions 5.
(('Dry Fit V-Nick', 'Socks')) , Number of repetitions 5.
(('Dry Fit V-Nick', 'Sweatshirts')) , Number of repetitions 5.
(('Dry Fit V-Nick', 'Swimming Shirt')) , Number of repetitions 9.
(('Dry Fit V-Nick', 'Tech Pants')) , Number of repetitions 8.
(('Hoodies', 'Modern Pants')) , Number of repetitions 5.
(('Hoodies', 'Rash Guard')) , Number of repetitions 8.
(('Hoodies', 'Running Shoe')) , Number of repetitions 5.
(('Hoodies', 'Soccer Shoe')) , Number of repetitions 5.
(('Hoodies', 'Socks')) , Number of repetitions 5.
(('Hoodies', 'Sweatshirts')) , Number of repetitions 5.
(('Hoodies', 'Swimming Shirt')) , Number of repetitions 6.
(('Hoodies', 'Tech Pants')) , Number of repetitions 8.
(('Modern Pants', 'Rash Guard')) , Number of repetitions 6.
(('Modern Pants', 'Running Shoe')) , Number of repetitions 9.
(('Modern Pants', 'Soccer Shoe')) , Number of repetitions 5.
(('Modern Pants', 'Socks')) , Number of repetitions 9.
(('Modern Pants', 'Sweatshirts')) , Number of repetitions 10.
(('Modern Pants', 'Swimming Shirt')) , Number of repetitions 4.
(('Modern Pants', 'Tech Pants')) , Number of repetitions 6.
(('Rash Guard', 'Running Shoe')) , Number of repetitions 7.
(('Rash Guard', 'Soccer Shoe')) , Number of repetitions 5.
(('Rash Guard', 'Socks')) , Number of repetitions 6.
(('Rash Guard', 'Sweatshirts')) , Number of repetitions 6.
(('Rash Guard', 'Swimming Shirt')) , Number of repetitions 10.
(('Rash Guard', 'Tech Pants')) , Number of repetitions 9.
(('Running Shoe', 'Soccer Shoe')) , Number of repetitions 4.
(('Running Shoe', 'Socks')) , Number of repetitions 11.
(('Running Shoe', 'Sweatshirts')) , Number of repetitions 11.
(('Running Shoe', 'Swimming Shirt')) , Number of repetitions 6.
(('Running Shoe', 'Tech Pants')) , Number of repetitions 6.
(('Soccer Shoe', 'Socks')) , Number of repetitions 5.
(('Soccer Shoe', 'Sweatshirts')) , Number of repetitions 5.
(('Soccer Shoe', 'Swimming Shirt')) , Number of repetitions 4.
(('Soccer Shoe', 'Tech Pants')) , Number of repetitions 5.
(('Socks', 'Sweatshirts')) , Number of repetitions 12.
(('Socks', 'Swimming Shirt')) , Number of repetitions 5.
(('Socks', 'Tech Pants')) , Number of repetitions 6.
(('Sweatshirts', 'Swimming Shirt')) , Number of repetitions 5.
(('Sweatshirts', 'Tech Pants')) , Number of repetitions 6.
(('Swimming Shirt', 'Tech Pants')) , Number of repetitions 7.
```

```
In [484... print('These are the 2 frequent itemsets:\n\n')
for combo_num, count in combo_counts.items():
    if (count / len(transaction) * 100) >= minsupport:
        print(f" ({combinations[combo_num-1]})    number of repetition: {count}")
```

These are the 2 frequent itemsets:

```
(('Dry Fit V-Nick', 'Rash Guard'))    number of repetition: 10.
(('Dry Fit V-Nick', 'Swimming Shirt')) number of repetition: 9.
(('Modern Pants', 'Running Shoe'))    number of repetition: 9.
(('Modern Pants', 'Socks'))           number of repetition: 9.
(('Modern Pants', 'Sweatshirts'))     number of repetition: 10.
(('Rash Guard', 'Swimming Shirt'))    number of repetition: 10.
(('Rash Guard', 'Tech Pants'))       number of repetition: 9.
(('Running Shoe', 'Socks'))           number of repetition: 11.
(('Running Shoe', 'Sweatshirts'))    number of repetition: 11.
(('Socks', 'Sweatshirts'))           number of repetition: 12.
```

```
In [485... combinations = []
for r in range(3,4):
    combos = list(itertools.combinations(items, r))
    combinations.extend(combos)

# Filter out empty tuples
combinations = [combo for combo in combinations if combo]
```

```
In [486... combo_counts = {}
for i in range(len(combinations)):
    combo = combinations[i]
    count = 0
    for index, row in transaction.iterrows():
        if set(combo).issubset(row):
            count += 1
    combo_counts[i+1] = count
print('These are the 3 possible combinations\n\n')
for combo_num, count in combo_counts.items():
    print(f"({combinations[combo_num-1]}) number of repetitions {count}\n")
```

These are the 3 possible combinations

```
(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants')) number of repetitions 4
(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard')) number of repetitions 7
(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe')) number of repetitions 4
(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe')) number of repetitions 5
(('Dry Fit V-Nick', 'Hoodies', 'Socks')) number of repetitions 4
(('Dry Fit V-Nick', 'Hoodies', 'Sweatshirts')) number of repetitions 4
(('Dry Fit V-Nick', 'Hoodies', 'Swimming Shirt')) number of repetitions 6
(('Dry Fit V-Nick', 'Hoodies', 'Tech Pants')) number of repetitions 7
```

```

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard')) number of repetitions 5
(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe')) number of repetitions 4
(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe')) number of repetitions 4
(('Dry Fit V-Nick', 'Modern Pants', 'Socks')) number of repetitions 5
(('Dry Fit V-Nick', 'Modern Pants', 'Sweatshirts')) number of repetitions 5
(('Dry Fit V-Nick', 'Modern Pants', 'Swimming Shirt')) number of repetitions
4
(('Dry Fit V-Nick', 'Modern Pants', 'Tech Pants')) number of repetitions 5
(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe')) number of repetitions 5
(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe')) number of repetitions 5
(('Dry Fit V-Nick', 'Rash Guard', 'Socks')) number of repetitions 5
(('Dry Fit V-Nick', 'Rash Guard', 'Sweatshirts')) number of repetitions 5
(('Dry Fit V-Nick', 'Rash Guard', 'Swimming Shirt')) number of repetitions 9
(('Dry Fit V-Nick', 'Rash Guard', 'Tech Pants')) number of repetitions 8
(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3
(('Dry Fit V-Nick', 'Running Shoe', 'Socks')) number of repetitions 4
(('Dry Fit V-Nick', 'Running Shoe', 'Sweatshirts')) number of repetitions 4
(('Dry Fit V-Nick', 'Running Shoe', 'Swimming Shirt')) number of repetitions
5
(('Dry Fit V-Nick', 'Running Shoe', 'Tech Pants')) number of repetitions 5
(('Dry Fit V-Nick', 'Soccer Shoe', 'Socks')) number of repetitions 4
(('Dry Fit V-Nick', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4
(('Dry Fit V-Nick', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions
4
(('Dry Fit V-Nick', 'Soccer Shoe', 'Tech Pants')) number of repetitions 5
(('Dry Fit V-Nick', 'Socks', 'Sweatshirts')) number of repetitions 5
(('Dry Fit V-Nick', 'Socks', 'Swimming Shirt')) number of repetitions 4
(('Dry Fit V-Nick', 'Socks', 'Tech Pants')) number of repetitions 5

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(('Dry Fit V-Nick', 'Sweatshirts', 'Swimming Shirt')) number of repetitions
4

(('Dry Fit V-Nick', 'Sweatshirts', 'Tech Pants')) number of repetitions 5

(('Dry Fit V-Nick', 'Swimming Shirt', 'Tech Pants')) number of repetitions 7

(('Hoodies', 'Modern Pants', 'Rash Guard')) number of repetitions 5

(('Hoodies', 'Modern Pants', 'Running Shoe')) number of repetitions 4

(('Hoodies', 'Modern Pants', 'Soccer Shoe')) number of repetitions 4

(('Hoodies', 'Modern Pants', 'Socks')) number of repetitions 5

(('Hoodies', 'Modern Pants', 'Sweatshirts')) number of repetitions 5

(('Hoodies', 'Modern Pants', 'Swimming Shirt')) number of repetitions 3

(('Hoodies', 'Modern Pants', 'Tech Pants')) number of repetitions 5

(('Hoodies', 'Rash Guard', 'Running Shoe')) number of repetitions 5

(('Hoodies', 'Rash Guard', 'Soccer Shoe')) number of repetitions 5

(('Hoodies', 'Rash Guard', 'Socks')) number of repetitions 5

(('Hoodies', 'Rash Guard', 'Sweatshirts')) number of repetitions 5

(('Hoodies', 'Rash Guard', 'Swimming Shirt')) number of repetitions 6

(('Hoodies', 'Rash Guard', 'Tech Pants')) number of repetitions 8

(('Hoodies', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3

(('Hoodies', 'Running Shoe', 'Socks')) number of repetitions 4

(('Hoodies', 'Running Shoe', 'Sweatshirts')) number of repetitions 4

(('Hoodies', 'Running Shoe', 'Swimming Shirt')) number of repetitions 4

(('Hoodies', 'Running Shoe', 'Tech Pants')) number of repetitions 5

(('Hoodies', 'Soccer Shoe', 'Socks')) number of repetitions 4

(('Hoodies', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4

(('Hoodies', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 4

(('Hoodies', 'Soccer Shoe', 'Tech Pants')) number of repetitions 5

(('Hoodies', 'Socks', 'Sweatshirts')) number of repetitions 5

(('Hoodies', 'Socks', 'Swimming Shirt')) number of repetitions 3

(('Hoodies', 'Socks', 'Tech Pants')) number of repetitions 5

(('Hoodies', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3

(('Hoodies', 'Sweatshirts', 'Tech Pants')) number of repetitions 5

(('Hoodies', 'Swimming Shirt', 'Tech Pants')) number of repetitions 6

(('Modern Pants', 'Rash Guard', 'Running Shoe')) number of repetitions 5

(('Modern Pants', 'Rash Guard', 'Soccer Shoe')) number of repetitions 4

(('Modern Pants', 'Rash Guard', 'Socks')) number of repetitions 6

(('Modern Pants', 'Rash Guard', 'Sweatshirts')) number of repetitions 6

(('Modern Pants', 'Rash Guard', 'Swimming Shirt')) number of repetitions 4

(('Modern Pants', 'Rash Guard', 'Tech Pants')) number of repetitions 6

(('Modern Pants', 'Running Shoe', 'Soccer Shoe')) number of repetitions 4

(('Modern Pants', 'Running Shoe', 'Socks')) number of repetitions 8

(('Modern Pants', 'Running Shoe', 'Sweatshirts')) number of repetitions 9

(('Modern Pants', 'Running Shoe', 'Swimming Shirt')) number of repetitions 4

(('Modern Pants', 'Running Shoe', 'Tech Pants')) number of repetitions 5

(('Modern Pants', 'Soccer Shoe', 'Socks')) number of repetitions 5

(('Modern Pants', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 5

(('Modern Pants', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3

(('Modern Pants', 'Soccer Shoe', 'Tech Pants')) number of repetitions 4

(('Modern Pants', 'Socks', 'Sweatshirts')) number of repetitions 9

(('Modern Pants', 'Socks', 'Swimming Shirt')) number of repetitions 4

(('Modern Pants', 'Socks', 'Tech Pants')) number of repetitions 6

(('Modern Pants', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4

(('Modern Pants', 'Sweatshirts', 'Tech Pants')) number of repetitions 6

(('Modern Pants', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4

(('Rash Guard', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3

(('Rash Guard', 'Running Shoe', 'Socks')) number of repetitions 5

(('Rash Guard', 'Running Shoe', 'Sweatshirts')) number of repetitions 5

(('Rash Guard', 'Running Shoe', 'Swimming Shirt')) number of repetitions 6

(('Rash Guard', 'Running Shoe', 'Tech Pants')) number of repetitions 6

(('Rash Guard', 'Soccer Shoe', 'Socks')) number of repetitions 4

(('Rash Guard', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4

(('Rash Guard', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 4

(('Rash Guard', 'Soccer Shoe', 'Tech Pants')) number of repetitions 5

(('Rash Guard', 'Socks', 'Sweatshirts')) number of repetitions 6

(('Rash Guard', 'Socks', 'Swimming Shirt')) number of repetitions 4

(('Rash Guard', 'Socks', 'Tech Pants')) number of repetitions 6

(('Rash Guard', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4

(('Rash Guard', 'Sweatshirts', 'Tech Pants')) number of repetitions 6

(('Rash Guard', 'Swimming Shirt', 'Tech Pants')) number of repetitions 7

(('Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 4

(('Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4

(('Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3

(('Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3

(('Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 10

(('Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 4

(('Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 5

(('Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4

(('Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 5

(('Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 5

(('Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 5

(('Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3

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(('Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4
(('Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3
(('Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4
(('Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4
(('Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 5
(('Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 6
(('Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4
(('Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4

```

```

In [487... print('These are the 3 Frequent item set:\n\n')
for combo_num, count in combo_counts.items():
    if (count / len(transaction) * 100) >= minsupport:
        print(f"({combinations[combo_num-1]}) number of repetitions {count}\n")

```

These are the 3 Frequent item set:

```

(('Dry Fit V-Nick', 'Rash Guard', 'Swimming Shirt')) number of repetitions 9
(('Modern Pants', 'Running Shoe', 'Sweatshirts')) number of repetitions 9
(('Modern Pants', 'Socks', 'Sweatshirts')) number of repetitions 9
(('Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 10

```

```

In [488... combinations = []
for r in range(4,20):
    combos = list(itertools.combinations(items, r))
    combinations.extend(combos)

# Filter out empty tuples
combinations = [combo for combo in combinations if combo]

```

```
In [489... combo_counts = {}
for i in range(len(combinations)):
    combo = combinations[i]
    count = 0
    for index, row in transaction.iterrows():
        if set(combo).issubset(row):
            count += 1
            #print(f"Combo {i+1} ({combo}) is a subset of row {index} in the
    combo_counts[i+1] = count
print('These are the 4 and 4+ Frequent item sets:\n\n')
for combo_num, count in combo_counts.items():
    print(f"({combinations[combo_num-1]}) number of repetitions {count}.\n\n")
```

These are the 4 and 4+ Frequent item sets:

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Socks')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe')) number of repetitions 5.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Socks')) number of repetitions

4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Swimming Shirt')) number of repetitions 6.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Tech Pants')) number of repetitions 7.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Socks')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Socks')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Hoodies', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Swimming Shirt', 'Tech Pants')) number of repetitions 6.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Socks')) number of repetitions 5.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Sweatshirts')) number of repetitions 5.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Socks')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Socks')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Socks', 'Sweatshirts')) number of repetitions 5.

(('Dry Fit V-Nick', 'Modern Pants', 'Socks', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Socks', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Modern Pants', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Modern Pants', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Socks')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Swimming Shirt')) number of repetitions 5.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Socks')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Rash Guard', 'Socks', 'Sweatshirts')) number of repetitions 5.

(('Dry Fit V-Nick', 'Rash Guard', 'Socks', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Socks', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Rash Guard', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

petitions 5.

(('Dry Fit V-Nick', 'Rash Guard', 'Swimming Shirt', 'Tech Pants')) number of repetitions 7.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Socks')) number of repetitions 5.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Sweatshirts')) number of repetitions 5.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Tech Pants')) number of repetitions 5.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Socks')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Sweatshirts')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Socks', 'Sweatshirts')) number of repetitions 5.

(('Hoodies', 'Modern Pants', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Socks', 'Tech Pants')) number of repetitions 5.

(('Hoodies', 'Modern Pants', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Hoodies', 'Modern Pants', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Socks')) number of repetitions 4.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Sweatshirts')) number of repetitions 4.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Swimming Shirt')) number of repetitions 4.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Tech Pants')) number of repetitions 5.

(('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks')) number of repetitions 4.

(('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4.

(('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 4.

(('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Tech Pants')) number of repetitions 5.

(('Hoodies', 'Rash Guard', 'Socks', 'Sweatshirts')) number of repetitions 5.

(('Hoodies', 'Rash Guard', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Socks', 'Tech Pants')) number of repetitions 5.

(('Hoodies', 'Rash Guard', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Hoodies', 'Rash Guard', 'Swimming Shirt', 'Tech Pants')) number of repetitions 6.

(('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Hoodies', 'Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 6.

titions 4.

(('Hoodies', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Hoodies', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Hoodies', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks')) number of repetitions 5.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts')) number of repetitions 5.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Swimming Shirt')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Tech Pants')) number of repetitions 5.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Socks', 'Sweatshirts')) number of repetitions 6.

(('Modern Pants', 'Rash Guard', 'Socks', 'Swimming Shirt')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Socks', 'Tech Pants')) number of repetitions 6.

(('Modern Pants', 'Rash Guard', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Sweatshirts', 'Tech Pants')) number of repetitions 6.

(('Modern Pants', 'Rash Guard', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 4.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of r

repetitions 4.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 8.

(('Modern Pants', 'Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 4.

(('Modern Pants', 'Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 5.

(('Modern Pants', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Modern Pants', 'Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Modern Pants', 'Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 5.

(('Modern Pants', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Modern Pants', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 6.

(('Modern Pants', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 5.

(('Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 4.

(('Rash Guard', 'Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 5.

(('Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Rash Guard', 'Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Rash Guard', 'Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 5.

(('Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Rash Guard', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Rash Guard', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Rash Guard', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 6.

(('Rash Guard', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Rash Guard', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions

ions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Socks')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Socks')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Socks')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Swimming Shirt', 'Tech Pants')) number of repetitions 6.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Tech Pants'))
number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Socks', 'Sweatshirts')) num
ber of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Socks', 'Swimming Shirt')) n
umber of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Socks', 'Tech Pants')) numbe
r of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Sweatshirts', 'Swimming Shir
t')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Sweatshirts', 'Tech Pants'))
number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Swimming Shirt', 'Tech Pant
s')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Socks', 'Sweatshirts')) numbe
r of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) nu
mber of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Socks', 'Tech Pants')) number
of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shir
t')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants'))
number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pant
s')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Socks', 'Sweatshirts', 'Swimming Shirt')) nu

mber of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Socks', 'Sweatshirts')) number of repetitions 5.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Socks', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Socks', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Modern Pants', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirt s')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming S hirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Tech Pant s')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts')) n umber of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shir t')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Socks', 'Tech Pants')) nu mber of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming S hirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Tech Pant s')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Swimming Shirt', 'Tech Pa nts')) number of repetitions 5.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts')) nu mber of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Tech Pants')) num ber of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Sh irt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Tech Pant

s')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Rash Guard', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Sweatshirts')) number of repetitions 5.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Tech Pants')) number of repetitions 5.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

f repetitions 5.

((('Hoodies', 'Modern Pants', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

((('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 3.

((('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

((('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

((('Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

((('Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

((('Hoodies', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

((('Hoodies', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

((('Hoodies', 'Rash Guard', 'Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

((('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Hoodies', 'Rash Guard', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 5.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 5.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants'))

s')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 6.

(('Modern Pants', 'Rash Guard', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Modern Pants', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Sweatshirts',

'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweat shirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

ing Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Sh

irt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Rash Guard', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming

Shirt')) number of repetitions 3.

((('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

((('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

((('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

((('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

((('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 5.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe',

'Sweatshirts', 'Tech Pants')) number of repetitions 4.

('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Sweat shirts', 'Swimming Shirt')) number of repetitions 3.

('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Sweat shirts', 'Tech Pants')) number of repetitions 4.

('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweat shirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweat shirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweats hirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweats hirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

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(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'S

weatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

((('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

((('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

((('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 4.

(('Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe',

'Soccer Shoe', 'Socks', 'Sweatshirts')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 4.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Socks', 'Sweat shirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Sho e', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Sho e', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Sho e', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Sho e', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Socks', 'Swea tshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Soccer Shoe', 'Socks', 'Swea tshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweat shirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweats hirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

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(('Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

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(('Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

(('Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Running Shoe', 'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.

itions 3.

```
(( 'Dry Fit V-Nick', 'Hoodies', 'Rash Guard', 'Running Shoe', 'Soccer Shoe',
'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.
```

```
(( 'Dry Fit V-Nick', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe',
'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.
```

```
(( 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe', 'Soccer Shoe', 'Socks',
'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.
```

```
(( 'Dry Fit V-Nick', 'Hoodies', 'Modern Pants', 'Rash Guard', 'Running Shoe',
'Soccer Shoe', 'Socks', 'Sweatshirts', 'Swimming Shirt', 'Tech Pants')) number of repetitions 3.
```

```
In [490... print('These are all the other frequent item sets:\n')
for combo_num, count in combo_counts.items():
    if (count / len(transaction) * 100) >= minsupport:
        print(f"({combinations[combo_num-1]}) number of repetitions: {count}")
```

These are all the other frequent item sets:

```
In [491... elapsed_time = time.time() - start_time
print("--- %s seconds ---" % (elapsed_time))

--- 0.4142289161682129 seconds ---
```

Applying Apriori Library

```
In [492... import csv
import pandas as pd
import time
from itertools import combinations
from apyori import apriori
from mlxtend.frequent_patterns import apriori, fpmmax
from mlxtend.frequent_patterns import association_rules
from mlxtend.preprocessing import TransactionEncoder
```



```
In [493... #The below will allow us to read the file
def load_data(filename):
    full_transaction_list= []
    with open(filename, encoding = 'utf-8-sig') as data:
        transaction_data = csv.reader(data, delimiter = ',')
        for row in transaction_data:
            filtered_rows = [value for value in row if value != '']
            full_transaction_list.append(filtered_rows)
    return full_transaction_list
```

```
In [494... new_list = load_data(input('please enter file name\n\n'))
```

please enter file name

Transactions_4.csv

```
In [495... new_list
```

```
Out[495]: [['Running Shoe', 'Socks', 'Sweatshirts', 'Modern Pants'],
['Running Shoe', 'Socks', 'Sweatshirts'],
['Running Shoe', 'Socks', 'Sweatshirts', 'Modern Pants'],
['Running Shoe', 'Sweatshirts', 'Modern Pants'],
['Running Shoe', 'Socks', 'Sweatshirts', 'Modern Pants', 'Soccer Shoe'],
['Running Shoe', 'Socks', 'Sweatshirts'],
['Running Shoe',
'Socks',
'Sweatshirts',
'Modern Pants',
'Tech Pants',
'Rash Guard',
'Hoodies'],
['Swimming Shirt', 'Socks', 'Sweatshirts'],
['Swimming Shirt', 'Rash Guard', 'Dry Fit V-Nick', 'Hoodies', 'Tech Pants'],
['Swimming Shirt', 'Rash Guard', 'Dry Fit V-Nick'],
['Swimming Shirt', 'Rash Guard', 'Dry Fit V-Nick'],
['Running Shoe',
'Swimming Shirt',
'Socks',
'Sweatshirts',
'Modern Pants',
'Soccer Shoe',
'Rash Guard',
'Hoodies',
'Tech Pants',
'Dry Fit V-Nick'],
['Running Shoe',
'Swimming Shirt',
'Socks',
'Sweatshirts',
'Modern Pants',
'Soccer Shoe'],
```

```

    'Rash Guard',
    'Tech Pants',
    'Dry Fit V-Nick',
    'Hoodies'],
    ['Running Shoe',
    'Swimming Shirt',
    'Rash Guard',
    'Tech Pants',
    'Hoodies',
    'Dry Fit V-Nick'],
    ['Running Shoe',
    'Swimming Shirt',
    'Socks',
    'Sweatshirts',
    'Modern Pants',
    'Dry Fit V-Nick',
    'Rash Guard',
    'Tech Pants'],
    ['Swimming Shirt',
    'Soccer Shoe',
    'Hoodies',
    'Dry Fit V-Nick',
    'Tech Pants',
    'Rash Guard'],
    ['Running Shoe', 'Socks'],
    ['Socks',
    'Sweatshirts',
    'Modern Pants',
    'Soccer Shoe',
    'Hoodies',
    'Rash Guard',
    'Tech Pants',
    'Dry Fit V-Nick'],
    ['Running Shoe', 'Swimming Shirt', 'Rash Guard'],
    ['Running Shoe',
    'Swimming Shirt',
    'Socks',
    'Sweatshirts',
    'Modern Pants',
    'Soccer Shoe',
    'Hoodies',
    'Tech Pants',
    'Rash Guard',
    'Dry Fit V-Nick']]

```

```

In [496... TranEn = TransactionEncoder()
TranEn_ary=TranEn.fit(new_list).transform(new_list)

```

```

In [497... Dataframe = pd.DataFrame(TranEn_ary, columns=TranEn.columns_)
Dataframe

```

Out [497]:

	Dry Fit V- Nick	Hoodies	Modern Pants	Rash Guard	Running Shoe	Soccer Shoe	Socks	Sweatshirts	Swimming Shirt	Tec Pant
0	False	False	True	False	True	False	True	True	False	Fals
1	False	False	False	False	True	False	True	True	False	Fals
2	False	False	True	False	True	False	True	True	False	Fals
3	False	False	True	False	True	False	False	True	False	Fals
4	False	False	True	False	True	True	True	True	False	Fals
5	False	False	False	False	True	False	True	True	False	Fals
6	False	True	True	True	True	False	True	True	False	Tru
7	False	False	False	False	False	False	True	True	True	Fals
8	True	True	False	True	False	False	False	False	True	Tru
9	True	False	False	True	False	False	False	False	True	Fals
10	True	False	False	True	False	False	False	False	True	Fals
11	True	True	True	True	True	True	True	True	True	Tru
12	True	True	True	True	True	True	True	True	True	Tru
13	True	True	False	True	True	False	False	False	True	Tru
14	True	False	True	True	True	False	True	True	True	Tru
15	True	True	False	True	False	True	False	False	True	Tru
16	False	False	False	False	True	False	True	False	False	Fals
17	True	True	True	True	False	True	True	True	False	Tru
18	False	False	False	True	True	False	False	False	True	Fals
19	True	True	True	True	True	True	True	True	True	Tru

```
In [500... frequentItemsets = apriori(Dataframe, min_support = 0.45, use_colnames=True)
frequentItemsets
```

Out [500]:

	support	itemsets
0	0.50	(Dry Fit V-Nick)
1	0.50	(Modern Pants)
2	0.60	(Rash Guard)
3	0.70	(Running Shoe)
4	0.65	(Socks)
5	0.65	(Sweatshirts)
6	0.55	(Swimming Shirt)
7	0.45	(Tech Pants)
8	0.50	(Rash Guard, Dry Fit V-Nick)
9	0.45	(Dry Fit V-Nick, Swimming Shirt)
10	0.45	(Running Shoe, Modern Pants)
11	0.45	(Modern Pants, Socks)
12	0.50	(Modern Pants, Sweatshirts)
13	0.50	(Rash Guard, Swimming Shirt)
14	0.45	(Rash Guard, Tech Pants)
15	0.55	(Running Shoe, Socks)
16	0.55	(Running Shoe, Sweatshirts)
17	0.60	(Socks, Sweatshirts)
18	0.45	(Rash Guard, Dry Fit V-Nick, Swimming Shirt)
19	0.45	(Running Shoe, Modern Pants, Sweatshirts)
20	0.45	(Modern Pants, Socks, Sweatshirts)
21	0.50	(Running Shoe, Socks, Sweatshirts)

In [501...

```
Rules = association_rules(frequentItemsets, metric="confidence", min_threshold=0.4)
Rules
```

Out [501]:

	antecedents	consequents	antecedent support	consequent support	support	confidence	lift	leverage
0	(Dry Fit V-Nick)	(Rash Guard)	0.50	0.60	0.50	1.000000	1.666667	0.333333
1	(Dry Fit V-Nick)	(Swimming Shirt)	0.50	0.55	0.45	0.900000	1.636364	0.363636
2	(Modern Pants)	(Running Shoe)	0.50	0.70	0.45	0.900000	1.285714	0.285714

3	(Modern Pants)	(Socks)	0.50	0.65	0.45	0.900000	1.384615
4	(Modern Pants)	(Sweatshirts)	0.50	0.65	0.50	1.000000	1.538462
5	(Swimming Shirt)	(Rash Guard)	0.55	0.60	0.50	0.909091	1.515152
6	(Tech Pants)	(Rash Guard)	0.45	0.60	0.45	1.000000	1.666667
7	(Socks)	(Sweatshirts)	0.65	0.65	0.60	0.923077	1.420118
8	(Sweatshirts)	(Socks)	0.65	0.65	0.60	0.923077	1.420118
9	(Rash Guard, Dry Fit V-Nick)	(Swimming Shirt)	0.50	0.55	0.45	0.900000	1.636364
10	(Rash Guard, Swimming Shirt)	(Dry Fit V-Nick)	0.50	0.50	0.45	0.900000	1.800000
11	(Dry Fit V-Nick, Swimming Shirt)	(Rash Guard)	0.45	0.60	0.45	1.000000	1.666667
12	(Dry Fit V-Nick)	(Rash Guard, Swimming Shirt)	0.50	0.50	0.45	0.900000	1.800000
13	(Running Shoe, Modern Pants)	(Sweatshirts)	0.45	0.65	0.45	1.000000	1.538462
14	(Modern Pants, Sweatshirts)	(Running Shoe)	0.50	0.70	0.45	0.900000	1.285714
15	(Modern Pants)	(Running Shoe, Sweatshirts)	0.50	0.55	0.45	0.900000	1.636364
16	(Modern Pants, Socks)	(Sweatshirts)	0.45	0.65	0.45	1.000000	1.538462
17	(Modern Pants, Sweatshirts)	(Socks)	0.50	0.65	0.45	0.900000	1.384615
18	(Modern Pants)	(Socks, Sweatshirts)	0.50	0.60	0.45	0.900000	1.500000
19	(Running Shoe, Socks)	(Sweatshirts)	0.55	0.65	0.50	0.909091	1.398601

20	(Running Shoe, Sweatshirts)	(Socks)	0.55	0.65	0.50	0.909091	1.398601
----	-----------------------------	---------	------	------	------	----------	----------

Conclusion

In conclusion, for the First transaction, it was very noticeable how faster Apriori (time: 0.08981990814208984 seconds) was compared to brute force method (Time: 0.4142289161682129 seconds). Also, by using an existing library, I was able to compare the results to my implementation and they both had the same number of Rules meaning that the implementation was working correctly. Also, by implementing the brute force method, I was able to see that the One, two, and three itemsets matched to ones from the apriori implementation meaning that the Brute Force even though it took more time, it returned the same results as the Apriori Algorithm

In []: