

In [1]: `from itertools import combinations`

```
ProductList = {'p1': 10, 'p2': 15, 'p3': 20, 'p4': 25, 'p5': 30, 'p6': 35, 'p7': 50}
```

```
# Find combinations of products
```

```
all_combinations = []
```

```
for r in range(1, len(ProductList) + 1):
```

```
    all_combinations.extend(combinations(ProductList.items(), r))
```

```
# Filter combinations with sum-of-price between 290 and 310
```

```
filtered_combinations = []
```

```
for combination in all_combinations:
```

```
    total_price = sum(price for _, price in combination)
```

```
    if 290 <= total_price <= 310:
```

```
        filtered_combinations.append(combination)
```

```
# Print the list of products in each combination
```

```
for combination in filtered_combinations:
```

```
    product_names = [product for product, _ in combination]
```

```
    print(product_names)
```