P9. (difficulty 4*) Delivery-Guy, a package shipping company, offers a shipping cost with a fixed cost 50 baht and variable cost as follows.

It is 20 baht each kg for the first 15 kg. Then, the price is up by 5 baht every 15 kg and the package will be charged in a successive manner. For example,

14-kg pkg costs 50 + (14 * 20) = 330 baht.

30-kg pkg costs 50 + (15*20) + (15*25) = 725 baht.

42-kg pkg costs 50 + (15*20) + (15*25) + (12*30) = 1085 baht.

51-kg pkg costs 50 + (15*20) + (15*25) + (15*30) + (6*35) = 1385 baht.

Write a program to take package weight, calculate shipping cost, and report it.

Use the P9 template. (P9_template.py. The template is only to ensure the exact display format and allows smooth auto-grading.)

Example:

Weight:62

cost = 1780.0

Weight:**134**

cost = 5390.0

Hint: (1) when dealing with an undetermined number of iterations, While statement may do; (2) step can be defined as a range between minimum step weight wmin and maximum step weight wmax; we can just get a package weight falling within this step by min(p - wmin, wmax-wmin), when p is a package weight; the term min(p - wmin, wmax-wmin) gives a package weight within the weight range: p - wmin is to get what over the lower bar and min(..., wmax-wmin) is to cap it (so it can't go over the upper bar). If you are confused by min(...), if statement will do the magic too.

Here is P8_template.py

```
Delivery-Cheap, a package shipping company, offers a shipping cost with a fixed cost 50 baht and variable cost as follows.

It is 20 baht each kg for the first 15 kg.
Then, the price is up by 5 baht every 15 kg and the package will be charged in a successive manner by the stepping price. For example,

14-kg pkg costs 50 + (14 * 20) = 330 baht.

30-kg pkg costs 50 + (15*20) + (15*25) = 725 baht.

42-kg pkg costs 50 + (15*20) + (15*25) + (12*30) = 1085 baht.

51-kg pkg costs 50 + (15*20) + (15*25) + (15*30) + (6*35) = 1385 baht.

Write a program to take package weight, calculate shipping cost, and report it.

"""

# Write your code here.

cost = 0

# Do not edit below this line.

print('cost = {:,.2f}'.format(cost))
```