Discount Example
Boundary Value Testing

Problem Descriptions:

There are always some discounts on the website, and for different members, the discounts are not the same. Member status can be: Non-Member(N), Regular-Member(R) and Gold-Member(G), and the value of product can be represented as (V). Following is the different discount for different members:

Non-Member(N):

product value	discount
0 and above	0

Regular-Member(R):

product value	discount
0 - $1k	5%
$1k	5%
$1k - $5k	10%
$5	10%
$5k and above	15%

Gold-Member(G):

product value	discount
0 - $1k	10%
$1k	10%
$1k - $5k	15%
$5k	15%
$5k - $10k	20%
$10k	20%
$10k and above	25%

For example, if the input is: (G, $20k), the calculation should be:
Final amount: $20k * (1 - 25%) = $15k

Design test cases to cover all boundaries for this system. Some invalid test cases must also be designed. Note: a test case should contain both input and expected output,
i.e., ((Member_status, product_value), Final_amount)