```
To make the core battle logic more concise, we can use lambda functions.

"""

Class Character:

"""

A class representing a character in a game.

can be Barbarian, Wizard, Paladin, etc.

"""

def __init__(self, hp, attack, defend):

    self.hp = hp
```

no class DamageCalculator here anymore

self.attack = attack
self.defend = defend

class BattleManagerWithLambda:

```
# using lambda function we can make the code more concise
# and the main logic is steady and will not be modified frequently
def deal_damage(attacker, defender, damage_calculator, args):
    if damage_calculator:
        defender.hp -= damage_calculator(attacker, defender, args)
```

```
# example of using the code
def main():
   attacker = Character(hp=100, attack=50, defend=20)
   defender = Character(hp=100, attack=30, defend=10)
   # deal damage using minus method
    BattleManagerWithLambda.deal damage(
       attacker, defender,
       lambda attacker, defender, args: attacker.attack - defender.defend,
       []
    )
   # deal damage using times method
    BattleManagerWithLambda.deal_damage(
       attacker, defender,
       lambda attacker, defender, args: round(
           attacker.attack * (
               defender.defend * 1.0 / (args[0] + defender.defend)
           )
       ),
       [10]
    )
   # deal damage using true damage method
    BattleManagerWithLambda.deal_damage(
       attacker, defender,
       lambda attacker, defender, args: args[0],
       [10]
    )
```