/home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana knights-fighting/app/main.py

Killed 119 out of 346 mutants

Survived

Survived mutation testing. These mutants show holes in your test suite.

Mutant 1

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -1,5 +1,5 @@
 KNIGHTS = {
-    "lancelot": {
+    "XXlancelotXX": {
         "name": "Lancelot",
         "power": 35,
         "hp": 100,
```

Mutant 2

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -1,6 +1,6 @@
 KNIGHTS = {
     "lancelot": {
-        "name": "Lancelot",
+        "XXnameXX": "Lancelot",
         "power": 35,
         "hp": 100,
         "armour": [],
```

Mutant 3

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -1,6 +1,6 @@
 KNIGHTS = {
     "lancelot": {
-        "name": "Lancelot",
+        "name": "XXLancelotXX",
         "power": 35,
         "hp": 100,
         "armour": [],
```

Mutant 4

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -1,7 +1,7 @@
 KNIGHTS = {
     "lancelot": {
         "name": "Lancelot",
-        "power": 35,
+        "XXpowerXX": 35,
         "hp": 100,
         "armour": [],
         "weapon": {
```

Mutant 5

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -1,7 +1,7 @@
 KNIGHTS = {
     "lancelot": {
         "name": "Lancelot",
-        "power": 35,
+        "power": 36,
         "hp": 100,
         "armour": [],
         "weapon": {
```

Mutant 6

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -2,7 +2,7 @@
     "lancelot": {
         "name": "Lancelot",
         "power": 35,
-        "hp": 100,
+        "XXhpXX": 100,
         "armour": [],
         "weapon": {
             "name": "Metal Sword",
```

Mutant 7

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -2,7 +2,7 @@
    "lancelot": {
        "name": "Lancelot",
        "power": 35,
-       "hp": 100,
+       "hp": 101,
        "armour": [],
        "weapon": {
            "name": "Metal Sword",
```

Mutant 8

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -3,7 +3,7 @@
        "name": "Lancelot",
        "power": 35,
        "hp": 100,
-       "armour": [],
+       "XXarmourXX": [],
        "weapon": {
            "name": "Metal Sword",
            "power": 50,
```

Mutant 9

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -4,7 +4,7 @@
        "power": 35,
        "hp": 100,
        "armour": [],
-       "weapon": {
+       "XXweaponXX": {
            "name": "Metal Sword",
            "power": 50,
        },
```

Mutant 10

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -5,7 +5,7 @@
        "hp": 100,
        "armour": [],
        "weapon": {
-           "name": "Metal Sword",
+           "XXnameXX": "Metal Sword",
            "power": 50,
        },
        "potion": None,
```

Mutant 11

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -5,7 +5,7 @@
        "hp": 100,
        "armour": [],
        "weapon": {
-           "name": "Metal Sword",
+           "name": "XXMetal SwordXX",
            "power": 50,
        },
        "potion": None,
```

Mutant 12

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -6,7 +6,7 @@
        "armour": [],
        "weapon": {
            "name": "Metal Sword",
-           "power": 50,
+           "XXpowerXX": 50,
        },
        "potion": None,
    },
```

Mutant 13

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -6,7 +6,7 @@
        "armour": [],
        "weapon": {
            "name": "Metal Sword",
-           "power": 50,
+           "power": 51,
        },
        "potion": None,
    },
```

Mutant 14

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -8,7 +8,7 @@
                "name": "Metal Sword",
                "power": 50,
            },
-           "potion": None,
+           "XXpotionXX": None,
        },
        "arthur": {
            "name": "Arthur",
```

Mutant 15

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -10,7 +10,7 @@
            },
            "potion": None,
        },
-       "arthur": {
+       "XXarthurXX": {
            "name": "Arthur",
            "power": 45,
            "hp": 75,
```

Mutant 16

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -11,7 +11,7 @@
            "potion": None,
        },
        "arthur": {
-           "name": "Arthur",
+           "XXnameXX": "Arthur",
            "power": 45,
            "hp": 75,
            "armour": [
```

Mutant 17

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -11,7 +11,7 @@
            "potion": None,
        },
        "arthur": {
-           "name": "Arthur",
+           "name": "XXArthurXX",
            "power": 45,
            "hp": 75,
            "armour": [
```

Mutant 18

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -12,7 +12,7 @@
        },
        "arthur": {
            "name": "Arthur",
-           "power": 45,
+           "XXpowerXX": 45,
            "hp": 75,
            "armour": [
                {
```

Mutant 19

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -12,7 +12,7 @@
        },
        "arthur": {
            "name": "Arthur",
-           "power": 45,
+           "power": 46,
            "hp": 75,
            "armour": [
                {
```

Mutant 20

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -13,7 +13,7 @@
        "arthur": {
            "name": "Arthur",
            "power": 45,
-           "hp": 75,
+           "XXhpXX": 75,
            "armour": [
                {
                    "part": "helmet",
```

Mutant 21

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -13,7 +13,7 @@
        "arthur": {
            "name": "Arthur",
            "power": 45,
-           "hp": 75,
+           "hp": 76,
            "armour": [
                {
                    "part": "helmet",
```

Mutant 22

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -14,7 +14,7 @@
            "name": "Arthur",
            "power": 45,
            "hp": 75,
-           "armour": [
+           "XXarmourXX": [
                {
                    "part": "helmet",
                    "protection": 15,
```

Mutant 23

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -16,7 +16,7 @@
            "hp": 75,
            "armour": [
                {
-                   "part": "helmet",
+                   "XXpartXX": "helmet",
                    "protection": 15,
                },
                {
```

Mutant 24

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -16,7 +16,7 @@
            "hp": 75,
            "armour": [
                {
-                   "part": "helmet",
+                   "part": "XXhelmetXX",
                    "protection": 15,
                },
                {
```

Mutant 25

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -17,7 +17,7 @@
            "armour": [
                {
                    "part": "helmet",
-                   "protection": 15,
+                   "XXprotectionXX": 15,
                },
                {
                    "part": "breastplate",
```

Mutant 26

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -17,7 +17,7 @@
            "armour": [
                {
                    "part": "helmet",
-                   "protection": 15,
+                   "protection": 16,
                },
                {
                    "part": "breastplate",
```

Mutant 27

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -20,7 +20,7 @@
                    "protection": 15,
                },
                {
-                   "part": "breastplate",
+                   "XXpartXX": "breastplate",
                    "protection": 20,
                },
                {
```

Mutant 28

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -20,7 +20,7 @@
                 "protection": 15,
            },
            {
-               "part": "breastplate",
+               "part": "XXbreastplateXX",
                "protection": 20,
            },
            {
```

Mutant 29

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -21,7 +21,7 @@
            },
            {
                "part": "breastplate",
-               "protection": 20,
+               "XXprotectionXX": 20,
            },
            {
                "part": "boots",
```

Mutant 30

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -21,7 +21,7 @@
            },
            {
                "part": "breastplate",
-               "protection": 20,
+               "protection": 21,
            },
            {
                "part": "boots",
```

Mutant 31

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -24,7 +24,7 @@
                "protection": 20,
            },
            {
-               "part": "boots",
+               "XXpartXX": "boots",
                "protection": 10,
            }
        ],
```

Mutant 32

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -24,7 +24,7 @@
                "protection": 20,
            },
            {
-               "part": "boots",
+               "part": "XXbootsXX",
                "protection": 10,
            }
        ],
```

Mutant 33

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -25,7 +25,7 @@
            },
            {
                "part": "boots",
-               "protection": 10,
+               "XXprotectionXX": 10,
            }
        ],
        "weapon": {
```

Mutant 34

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -25,7 +25,7 @@
            },
            {
                "part": "boots",
-               "protection": 10,
+               "protection": 11,
            }
        ],
        "weapon": {
```

Mutant 35

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -28,7 +28,7 @@
                    "protection": 10,
                }
            ],
-           "weapon": {
+           "XXweaponXX": {
                "name": "Two-handed Sword",
                "power": 55,
            },
```

Mutant 36

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -29,7 +29,7 @@
                }
            ],
            "weapon": {
-               "name": "Two-handed Sword",
+               "XXnameXX": "Two-handed Sword",
                "power": 55,
            },
            "potion": None,
```

Mutant 37

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -29,7 +29,7 @@
                }
            ],
            "weapon": {
-               "name": "Two-handed Sword",
+               "name": "XXTwo-handed SwordXX",
                "power": 55,
            },
            "potion": None,
```

Mutant 38

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -30,7 +30,7 @@
            ],
            "weapon": {
                "name": "Two-handed Sword",
-               "power": 55,
+               "XXpowerXX": 55,
            },
            "potion": None,
        },
```

Mutant 39

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -30,7 +30,7 @@
            ],
            "weapon": {
                "name": "Two-handed Sword",
-               "power": 55,
+               "power": 56,
            },
            "potion": None,
        },
```

Mutant 40

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -32,7 +32,7 @@
                "name": "Two-handed Sword",
                "power": 55,
            },
-           "potion": None,
+           "XXpotionXX": None,
        },
        "mordred": {
            "name": "Mordred",
```

Mutant 41

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -34,7 +34,7 @@
            },
            "potion": None,
        },
-       "mordred": {
+       "XXmordredXX": {
            "name": "Mordred",
            "power": 30,
            "hp": 90,
```

Mutant 42

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -35,7 +35,7 @@
         "potion": None,
     },
     "mordred": {
-        "name": "Mordred",
+        "XXnameXX": "Mordred",
         "power": 30,
         "hp": 90,
         "armour": [
```

Mutant 43

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -35,7 +35,7 @@
         "potion": None,
     },
     "mordred": {
-        "name": "Mordred",
+        "name": "XXMordredXX",
         "power": 30,
         "hp": 90,
         "armour": [
```

Mutant 44

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -36,7 +36,7 @@
     },
     "mordred": {
         "name": "Mordred",
-        "power": 30,
+        "XXpowerXX": 30,
         "hp": 90,
         "armour": [
             {
```

Mutant 45

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -36,7 +36,7 @@
     },
     "mordred": {
         "name": "Mordred",
-        "power": 30,
+        "power": 31,
         "hp": 90,
         "armour": [
             {
```

Mutant 46

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -37,7 +37,7 @@
     "mordred": {
         "name": "Mordred",
         "power": 30,
-        "hp": 90,
+        "XXhpXX": 90,
         "armour": [
             {
                 "part": "breastplate",
```

Mutant 47

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -37,7 +37,7 @@
     "mordred": {
         "name": "Mordred",
         "power": 30,
-        "hp": 90,
+        "hp": 91,
         "armour": [
             {
                 "part": "breastplate",
```

Mutant 48

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -38,7 +38,7 @@
         "name": "Mordred",
         "power": 30,
         "hp": 90,
-        "armour": [
+        "XXarmourXX": [
             {
                 "part": "breastplate",
                 "protection": 15,
```

Mutant 49

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -40,7 +40,7 @@
            "hp": 90,
            "armour": [
                {
-                   "part": "breastplate",
+                   "XXpartXX": "breastplate",
                    "protection": 15,
                },
                {
```

Mutant 50

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -40,7 +40,7 @@
            "hp": 90,
            "armour": [
                {
-                   "part": "breastplate",
+                   "part": "XXbreastplateXX",
                    "protection": 15,
                },
                {
```

Mutant 51

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -41,7 +41,7 @@
            "armour": [
                {
                    "part": "breastplate",
-                   "protection": 15,
+                   "XXprotectionXX": 15,
                },
                {
                    "part": "boots",
```

Mutant 52

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -41,7 +41,7 @@
            "armour": [
                {
                    "part": "breastplate",
-                   "protection": 15,
+                   "protection": 16,
                },
                {
                    "part": "boots",
```

Mutant 53

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -44,7 +44,7 @@
                    "protection": 15,
                },
                {
-                   "part": "boots",
+                   "XXpartXX": "boots",
                    "protection": 10,
                }
            ],
```

Mutant 54

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -44,7 +44,7 @@
                    "protection": 15,
                },
                {
-                   "part": "boots",
+                   "part": "XXbootsXX",
                    "protection": 10,
                }
            ],
```

Mutant 55

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -45,7 +45,7 @@
                },
                {
                    "part": "boots",
-                   "protection": 10,
+                   "XXprotectionXX": 10,
                }
            ],
            "weapon": {
```

Mutant 56

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -45,7 +45,7 @@
                },
                {
                    "part": "boots",
-                   "protection": 10,
+                   "protection": 11,
                }
            ],
            "weapon": {
```

Mutant 57

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -48,7 +48,7 @@
                    "protection": 10,
                }
            ],
-           "weapon": {
+           "XXweaponXX": {
                "name": "Poisoned Sword",
                "power": 60,
            },
```

Mutant 58

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -49,7 +49,7 @@
                }
            ],
            "weapon": {
-               "name": "Poisoned Sword",
+               "XXnameXX": "Poisoned Sword",
                "power": 60,
            },
            "potion": {
```

Mutant 59

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -49,7 +49,7 @@
                }
            ],
            "weapon": {
-               "name": "Poisoned Sword",
+               "name": "XXPoisoned SwordXX",
                "power": 60,
            },
            "potion": {
```

Mutant 60

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -50,7 +50,7 @@
            ],
            "weapon": {
                "name": "Poisoned Sword",
-               "power": 60,
+               "XXpowerXX": 60,
            },
            "potion": {
                "name": "Berserk",
```

Mutant 61

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -50,7 +50,7 @@
            ],
            "weapon": {
                "name": "Poisoned Sword",
-               "power": 60,
+               "power": 61,
            },
            "potion": {
                "name": "Berserk",
```

Mutant 62

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -52,7 +52,7 @@
                "name": "Poisoned Sword",
                "power": 60,
            },
-           "potion": {
+           "XXpotionXX": {
                "name": "Berserk",
                "effect": {
                    "power": +15,
```

Mutant 63

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -53,7 +53,7 @@
                "power": 60,
            },
            "potion": {
-               "name": "Berserk",
+               "XXnameXX": "Berserk",
                "effect": {
                    "power": +15,
                    "hp": -5,
```

Mutant 64

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -53,7 +53,7 @@
                "power": 60,
            },
            "potion": {
-               "name": "Berserk",
+               "name": "XXBerserkXX",
                "effect": {
                    "power": +15,
                    "hp": -5,
```

Mutant 65

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -54,7 +54,7 @@
            },
            "potion": {
                "name": "Berserk",
-               "effect": {
+               "XXeffectXX": {
                    "power": +15,
                    "hp": -5,
                    "protection": +10,
```

Mutant 66

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -55,7 +55,7 @@
            "potion": {
                "name": "Berserk",
                "effect": {
-                   "power": +15,
+                   "XXpowerXX": +15,
                    "hp": -5,
                    "protection": +10,
                }
```

Mutant 67

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -55,7 +55,7 @@
            "potion": {
                "name": "Berserk",
                "effect": {
-                   "power": +15,
+                   "power": -15,
                    "hp": -5,
                    "protection": +10,
                }
```

Mutant 68

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -55,7 +55,7 @@
            "potion": {
                "name": "Berserk",
                "effect": {
-                   "power": +15,
+                   "power": +16,
                    "hp": -5,
                    "protection": +10,
                }
```

Mutant 69

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -56,7 +56,7 @@
                "name": "Berserk",
                "effect": {
                    "power": +15,
-                   "hp": -5,
+                   "XXhpXX": -5,
                    "protection": +10,
                }
            }
```

Mutant 70

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -56,7 +56,7 @@
                "name": "Berserk",
                "effect": {
                    "power": +15,
-                   "hp": -5,
+                   "hp": +5,
                    "protection": +10,
                }
            }
```

Mutant 71

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -56,7 +56,7 @@
                "name": "Berserk",
                "effect": {
                    "power": +15,
-                   "hp": -5,
+                   "hp": -6,
                    "protection": +10,
                }
            }
```

Mutant 72

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -57,7 +57,7 @@
                "effect": {
                    "power": +15,
                    "hp": -5,
-                   "protection": +10,
+                   "XXprotectionXX": +10,
                }
            }
        },
```

Mutant 73

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -57,7 +57,7 @@
                "effect": {
                    "power": +15,
                    "hp": -5,
-                   "protection": +10,
+                   "protection": -10,
                }
            }
        },
```

Mutant 74

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -57,7 +57,7 @@
                "effect": {
                    "power": +15,
                    "hp": -5,
-                   "protection": +10,
+                   "protection": +11,
                }
            }
        },
```

Mutant 75

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -61,7 +61,7 @@
                }
            }
        },
-       "red_knight": {
+       "XXred_knightXX": {
            "name": "Red Knight",
            "power": 40,
            "hp": 70,
```

Mutant 76

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -62,7 +62,7 @@
            }
        },
        "red_knight": {
-           "name": "Red Knight",
+           "XXnameXX": "Red Knight",
            "power": 40,
            "hp": 70,
            "armour": [
```

Mutant 77

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -62,7 +62,7 @@
         }
     },
     "red_knight": {
-        "name": "Red Knight",
+        "name": "XXRed KnightXX",
        "power": 40,
        "hp": 70,
        "armour": [
```

Mutant 78

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -63,7 +63,7 @@
     },
     "red_knight": {
        "name": "Red Knight",
-        "power": 40,
+        "XXpowerXX": 40,
        "hp": 70,
        "armour": [
            {
```

Mutant 79

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -63,7 +63,7 @@
     },
     "red_knight": {
        "name": "Red Knight",
-        "power": 40,
+        "power": 41,
        "hp": 70,
        "armour": [
            {
```

Mutant 80

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -64,7 +64,7 @@
     "red_knight": {
        "name": "Red Knight",
        "power": 40,
-        "hp": 70,
+        "XXhpXX": 70,
        "armour": [
            {
                "part": "breastplate",
```

Mutant 81

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -64,7 +64,7 @@
     "red_knight": {
        "name": "Red Knight",
        "power": 40,
-        "hp": 70,
+        "hp": 71,
        "armour": [
            {
                "part": "breastplate",
```

Mutant 82

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -65,7 +65,7 @@
        "name": "Red Knight",
        "power": 40,
        "hp": 70,
-        "armour": [
+        "XXarmourXX": [
            {
                "part": "breastplate",
                "protection": 25,
```

Mutant 83

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -67,7 +67,7 @@
        "hp": 70,
        "armour": [
            {
-                "part": "breastplate",
+                "XXpartXX": "breastplate",
                "protection": 25,
            }
        ],
```

Mutant 84

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -67,7 +67,7 @@
            "hp": 70,
            "armour": [
                {
-                   "part": "breastplate",
+                   "part": "XXbreastplateXX",
                    "protection": 25,
                }
            ],
```

Mutant 85

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -68,7 +68,7 @@
            "armour": [
                {
                    "part": "breastplate",
-                   "protection": 25,
+                   "XXprotectionXX": 25,
                }
            ],
            "weapon": {
```

Mutant 86

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -68,7 +68,7 @@
            "armour": [
                {
                    "part": "breastplate",
-                   "protection": 25,
+                   "protection": 26,
                }
            ],
            "weapon": {
```

Mutant 87

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -71,7 +71,7 @@
                    "protection": 25,
                }
            ],
-           "weapon": {
+           "XXweaponXX": {
                "name": "Sword",
                "power": 45
            },
```

Mutant 88

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -72,7 +72,7 @@
                }
            ],
            "weapon": {
-               "name": "Sword",
+               "XXnameXX": "Sword",
                "power": 45
            },
            "potion": {
```

Mutant 89

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -72,7 +72,7 @@
                }
            ],
            "weapon": {
-               "name": "Sword",
+               "name": "XXSwordXX",
                "power": 45
            },
            "potion": {
```

Mutant 90

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -73,7 +73,7 @@
            ],
            "weapon": {
                "name": "Sword",
-               "power": 45
+               "XXpowerXX": 45
            },
            "potion": {
                "name": "Blessing",
```

Mutant 91

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -73,7 +73,7 @@
            ],
            "weapon": {
                "name": "Sword",
-                "power": 45
+                "power": 46
            },
            "potion": {
                "name": "Blessing",
```

Mutant 92

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -75,7 +75,7 @@
                "name": "Sword",
                "power": 45
            },
-            "potion": {
+            "XXpotionXX": {
                "name": "Blessing",
                "effect": {
                    "hp": +10,
```

Mutant 93

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -76,7 +76,7 @@
                "power": 45
            },
            "potion": {
-                "name": "Blessing",
+                "XXnameXX": "Blessing",
                "effect": {
                    "hp": +10,
                    "power": +5,
```

Mutant 94

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -76,7 +76,7 @@
                "power": 45
            },
            "potion": {
-                "name": "Blessing",
+                "name": "XXBlessingXX",
                "effect": {
                    "hp": +10,
                    "power": +5,
```

Mutant 95

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -77,7 +77,7 @@
            },
            "potion": {
                "name": "Blessing",
-                "effect": {
+                "XXeffectXX": {
                    "hp": +10,
                    "power": +5,
                }
```

Mutant 96

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -78,7 +78,7 @@
            "potion": {
                "name": "Blessing",
                "effect": {
-                    "hp": +10,
+                    "XXhpXX": +10,
                    "power": +5,
                }
            }
```

Mutant 97

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -78,7 +78,7 @@
            "potion": {
                "name": "Blessing",
                "effect": {
-                    "hp": +10,
+                    "hp": -10,
                    "power": +5,
                }
            }
```

Mutant 98

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -78,7 +78,7 @@
            "potion": {
                "name": "Blessing",
                "effect": {
-                   "hp": +10,
+                   "hp": +11,
                    "power": +5,
                }
            }
```

Mutant 99

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -79,7 +79,7 @@
                "name": "Blessing",
                "effect": {
                    "hp": +10,
-                   "power": +5,
+                   "XXpowerXX": +5,
                }
            }
```

Mutant 100

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -79,7 +79,7 @@
                "name": "Blessing",
                "effect": {
                    "hp": +10,
-                   "power": +5,
+                   "power": -5,
                }
            }
```

Mutant 101

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -79,7 +79,7 @@
                "name": "Blessing",
                "effect": {
                    "hp": +10,
-                   "power": +5,
+                   "power": +6,
                }
            }
```

Mutant 102

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -1,89 +1,4 @@
-KNIGHTS = {
-    "lancelot": {
-        "name": "Lancelot",
-        "power": 35,
-        "hp": 100,
-        "armour": [],
-        "weapon": {
-            "name": "Metal Sword",
-            "power": 50,
-        },
-        "potion": None,
-    },
-    "arthur": {
-        "name": "Arthur",
-        "power": 45,
-        "hp": 75,
-        "armour": [
-            {
-                "part": "helmet",
-                "protection": 15,
-            },
-            {
-                "part": "breastplate",
-                "protection": 20,
-            },
-            {
-                "part": "boots",
-                "protection": 10,
-            }
-        ],
-        "weapon": {
-            "name": "Two-handed Sword",
-            "power": 55,
-        },
-        "potion": None,
-    },
-    "mordred": {
-        "name": "Mordred",
-        "power": 30,
-        "hp": 90,
-        "armour": [
```

```
-                    {
-                        "part": "breastplate",
-                        "protection": 15,
-                    },
-                    {
-                        "part": "boots",
-                        "protection": 10,
-                    }
-                ],
-                "weapon": {
-                    "name": "Poisoned Sword",
-                    "power": 60,
-                },
-                "potion": {
-                    "name": "Berserk",
-                    "effect": {
-                        "power": +15,
-                        "hp": -5,
-                        "protection": +10,
-                    }
-                }
-            },
-            "red_knight": {
-                "name": "Red Knight",
-                "power": 40,
-                "hp": 70,
-                "armour": [
-                    {
-                        "part": "breastplate",
-                        "protection": 25,
-                    }
-                ],
-                "weapon": {
-                    "name": "Sword",
-                    "power": 45
-                },
-                "potion": {
-                    "name": "Blessing",
-                    "effect": {
-                        "hp": +10,
-                        "power": +5,
-                    }
-                }
-            }
-        }
-}
+KNIGHTS = None


 def battle(knightsConfig):
```

Mutant 103

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -90,7 +90,7 @@
     # BATTLE PREPARATIONS:

     # lancelot
-    lancelot = knightsConfig["lancelot"]
+    lancelot = knightsConfig["XXlancelotXX"]

     # apply armour
     lancelot["protection"] = 0
```

Mutant 104

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -90,7 +90,7 @@
     # BATTLE PREPARATIONS:

     # lancelot
-    lancelot = knightsConfig["lancelot"]
+    lancelot = None

     # apply armour
     lancelot["protection"] = 0
```

Mutant 105

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -93,7 +93,7 @@
     lancelot = knightsConfig["lancelot"]

     # apply armour
-    lancelot["protection"] = 0
+    lancelot["XXprotectionXX"] = 0
     for a in lancelot["armour"]:
         lancelot["protection"] += a["protection"]
```

Mutant 107

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -93,7 +93,7 @@
     lancelot = knightsConfig["lancelot"]

     # apply armour
```

```
-      lancelot["protection"] = 0
+      lancelot["protection"] = None
       for a in lancelot["armour"]:
           lancelot["protection"] += a["protection"]
```

Mutant 108

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -94,7 +94,7 @@

       # apply armour
       lancelot["protection"] = 0
-      for a in lancelot["armour"]:
+      for a in lancelot["XXarmourXX"]:
           lancelot["protection"] += a["protection"]

       # apply weapon
```

Mutant 110

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -95,7 +95,7 @@
       # apply armour
       lancelot["protection"] = 0
       for a in lancelot["armour"]:
-          lancelot["protection"] += a["protection"]
+          lancelot["protection"] = a["protection"]

       # apply weapon
       lancelot["power"] += lancelot["weapon"]["power"]
```

Mutant 113

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -98,7 +98,7 @@
           lancelot["protection"] += a["protection"]

       # apply weapon
-      lancelot["power"] += lancelot["weapon"]["power"]
+      lancelot["XXpowerXX"] += lancelot["weapon"]["power"]

       # apply potion if exist
       if lancelot["potion"] is not None:
```

Mutant 116

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -98,7 +98,7 @@
           lancelot["protection"] += a["protection"]

       # apply weapon
-      lancelot["power"] += lancelot["weapon"]["power"]
+      lancelot["power"] += lancelot["XXweaponXX"]["power"]

       # apply potion if exist
       if lancelot["potion"] is not None:
```

Mutant 117

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -98,7 +98,7 @@
           lancelot["protection"] += a["protection"]

       # apply weapon
-      lancelot["power"] += lancelot["weapon"]["power"]
+      lancelot["power"] += lancelot["weapon"]["XXpowerXX"]

       # apply potion if exist
       if lancelot["potion"] is not None:
```

Mutant 118

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -101,7 +101,7 @@
       lancelot["power"] += lancelot["weapon"]["power"]

       # apply potion if exist
-      if lancelot["potion"] is not None:
+      if lancelot["XXpotionXX"] is not None:
           if "power" in lancelot["potion"]["effect"]:
               lancelot["power"] += lancelot["potion"]["effect"]["power"]
```

Mutant 119

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -101,7 +101,7 @@
       lancelot["power"] += lancelot["weapon"]["power"]
```

```
        # apply potion if exist
-    if lancelot["potion"] is not None:
+    if lancelot["potion"] is  None:
        if "power" in lancelot["potion"]["effect"]:
            lancelot["power"] += lancelot["potion"]["effect"]["power"]
```

Mutant 130

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -105,7 +105,7 @@
        if "power" in lancelot["potion"]["effect"]:
            lancelot["power"] += lancelot["potion"]["effect"]["power"]

-        if "protection" in lancelot["potion"]["effect"]:
+        if "XXprotectionXX" in lancelot["potion"]["effect"]:
            lancelot["protection"] += lancelot["potion"]["effect"]["protection"]

        if "hp" in lancelot["potion"]["effect"]:
```

Mutant 134

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -106,7 +106,7 @@
            lancelot["power"] += lancelot["potion"]["effect"]["power"]

        if "protection" in lancelot["potion"]["effect"]:
-            lancelot["protection"] += lancelot["potion"]["effect"]["protection"]
+            lancelot["XXprotectionXX"] += lancelot["potion"]["effect"]["protection"]

        if "hp" in lancelot["potion"]["effect"]:
            lancelot["hp"] += lancelot["potion"]["effect"]["hp"]
```

Mutant 135

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -106,7 +106,7 @@
            lancelot["power"] += lancelot["potion"]["effect"]["power"]

        if "protection" in lancelot["potion"]["effect"]:
-            lancelot["protection"] += lancelot["potion"]["effect"]["protection"]
+            lancelot["protection"] = lancelot["potion"]["effect"]["protection"]

        if "hp" in lancelot["potion"]["effect"]:
            lancelot["hp"] += lancelot["potion"]["effect"]["hp"]
```

Mutant 136

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -106,7 +106,7 @@
            lancelot["power"] += lancelot["potion"]["effect"]["power"]

        if "protection" in lancelot["potion"]["effect"]:
-            lancelot["protection"] += lancelot["potion"]["effect"]["protection"]
+            lancelot["protection"] -= lancelot["potion"]["effect"]["protection"]

        if "hp" in lancelot["potion"]["effect"]:
            lancelot["hp"] += lancelot["potion"]["effect"]["hp"]
```

Mutant 137

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -106,7 +106,7 @@
            lancelot["power"] += lancelot["potion"]["effect"]["power"]

        if "protection" in lancelot["potion"]["effect"]:
-            lancelot["protection"] += lancelot["potion"]["effect"]["protection"]
+            lancelot["protection"] += lancelot["XXpotionXX"]["effect"]["protection"]

        if "hp" in lancelot["potion"]["effect"]:
            lancelot["hp"] += lancelot["potion"]["effect"]["hp"]
```

Mutant 138

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -106,7 +106,7 @@
            lancelot["power"] += lancelot["potion"]["effect"]["power"]

        if "protection" in lancelot["potion"]["effect"]:
-            lancelot["protection"] += lancelot["potion"]["effect"]["protection"]
+            lancelot["protection"] += lancelot["potion"]["XXeffectXX"]["protection"]

        if "hp" in lancelot["potion"]["effect"]:
            lancelot["hp"] += lancelot["potion"]["effect"]["hp"]
```

Mutant 139

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -106,7 +106,7 @@
            lancelot["power"] += lancelot["potion"]["effect"]["power"]
```

```
        if "protection" in lancelot["potion"]["effect"]:
-           lancelot["protection"] += lancelot["potion"]["effect"]["protection"]
+           lancelot["protection"] += lancelot["potion"]["effect"]["XXprotectionXX"]

        if "hp" in lancelot["potion"]["effect"]:
            lancelot["hp"] += lancelot["potion"]["effect"]["hp"]
```

Mutant 150

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -112,7 +112,7 @@
            lancelot["hp"] += lancelot["potion"]["effect"]["hp"]

    # arthur
-   arthur = knightsConfig["arthur"]
+   arthur = knightsConfig["XXarthurXX"]

    # apply armour
    arthur["protection"] = 0
```

Mutant 151

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -112,7 +112,7 @@
            lancelot["hp"] += lancelot["potion"]["effect"]["hp"]

    # arthur
-   arthur = knightsConfig["arthur"]
+   arthur = None

    # apply armour
    arthur["protection"] = 0
```

Mutant 152

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -115,7 +115,7 @@
    arthur = knightsConfig["arthur"]

    # apply armour
-   arthur["protection"] = 0
+   arthur["XXprotectionXX"] = 0
    for a in arthur["armour"]:
        arthur["protection"] += a["protection"]
```

Mutant 154

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -115,7 +115,7 @@
    arthur = knightsConfig["arthur"]

    # apply armour
-   arthur["protection"] = 0
+   arthur["protection"] = None
    for a in arthur["armour"]:
        arthur["protection"] += a["protection"]
```

Mutant 155

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -116,7 +116,7 @@

    # apply armour
    arthur["protection"] = 0
-   for a in arthur["armour"]:
+   for a in arthur["XXarmourXX"]:
        arthur["protection"] += a["protection"]

    # apply weapon
```

Mutant 156

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -117,7 +117,7 @@
    # apply armour
    arthur["protection"] = 0
    for a in arthur["armour"]:
-       arthur["protection"] += a["protection"]
+       arthur["XXprotectionXX"] += a["protection"]

    # apply weapon
    arthur["power"] += arthur["weapon"]["power"]
```

Mutant 159

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -117,7 +117,7 @@
```

```
        # apply armour
        arthur["protection"] = 0
        for a in arthur["armour"]:
-           arthur["protection"] += a["protection"]
+           arthur["protection"] += a["XXprotectionXX"]

        # apply weapon
        arthur["power"] += arthur["weapon"]["power"]
```

Mutant 160

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -120,7 +120,7 @@
        arthur["protection"] += a["protection"]

        # apply weapon
-       arthur["power"] += arthur["weapon"]["power"]
+       arthur["XXpowerXX"] += arthur["weapon"]["power"]

        # apply potion if exist
        if arthur["potion"] is not None:
```

Mutant 163

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -120,7 +120,7 @@
        arthur["protection"] += a["protection"]

        # apply weapon
-       arthur["power"] += arthur["weapon"]["power"]
+       arthur["power"] += arthur["XXweaponXX"]["power"]

        # apply potion if exist
        if arthur["potion"] is not None:
```

Mutant 164

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -120,7 +120,7 @@
        arthur["protection"] += a["protection"]

        # apply weapon
-       arthur["power"] += arthur["weapon"]["power"]
+       arthur["power"] += arthur["weapon"]["XXpowerXX"]

        # apply potion if exist
        if arthur["potion"] is not None:
```

Mutant 165

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -123,7 +123,7 @@
        arthur["power"] += arthur["weapon"]["power"]

        # apply potion if exist
-       if arthur["potion"] is not None:
+       if arthur["XXpotionXX"] is not None:
            if "power" in arthur["potion"]["effect"]:
                arthur["power"] += arthur["potion"]["effect"]["power"]
```

Mutant 166

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -123,7 +123,7 @@
        arthur["power"] += arthur["weapon"]["power"]

        # apply potion if exist
-       if arthur["potion"] is not None:
+       if arthur["potion"] is   None:
            if "power" in arthur["potion"]["effect"]:
                arthur["power"] += arthur["potion"]["effect"]["power"]
```

Mutant 197

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -134,7 +134,7 @@
                arthur["hp"] += arthur["potion"]["effect"]["hp"]

        # mordred
-       mordred = knightsConfig["mordred"]
+       mordred = knightsConfig["XXmordredXX"]

        # apply armour
        mordred["protection"] = 0
```

Mutant 198

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
```

```
@@ -134,7 +134,7 @@
            arthur["hp"] += arthur["potion"]["effect"]["hp"]

    # mordred
-   mordred = knightsConfig["mordred"]
+   mordred = None

    # apply armour
    mordred["protection"] = 0
```

Mutant 199

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -137,7 +137,7 @@
    mordred = knightsConfig["mordred"]

    # apply armour
-   mordred["protection"] = 0
+   mordred["XXprotectionXX"] = 0
    for a in mordred["armour"]:
        mordred["protection"] += a["protection"]
```

Mutant 201

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -137,7 +137,7 @@
    mordred = knightsConfig["mordred"]

    # apply armour
-   mordred["protection"] = 0
+   mordred["protection"] = None
    for a in mordred["armour"]:
        mordred["protection"] += a["protection"]
```

Mutant 202

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -138,7 +138,7 @@

    # apply armour
    mordred["protection"] = 0
-   for a in mordred["armour"]:
+   for a in mordred["XXarmourXX"]:
        mordred["protection"] += a["protection"]

    # apply weapon
```

Mutant 203

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -139,7 +139,7 @@
    # apply armour
    mordred["protection"] = 0
    for a in mordred["armour"]:
-       mordred["protection"] += a["protection"]
+       mordred["XXprotectionXX"] += a["protection"]

    # apply weapon
    mordred["power"] += mordred["weapon"]["power"]
```

Mutant 206

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -139,7 +139,7 @@
    # apply armour
    mordred["protection"] = 0
    for a in mordred["armour"]:
-       mordred["protection"] += a["protection"]
+       mordred["protection"] += a["XXprotectionXX"]

    # apply weapon
    mordred["power"] += mordred["weapon"]["power"]
```

Mutant 207

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -142,7 +142,7 @@
        mordred["protection"] += a["protection"]

    # apply weapon
-   mordred["power"] += mordred["weapon"]["power"]
+   mordred["XXpowerXX"] += mordred["weapon"]["power"]

    # apply potion if exist
    if mordred["potion"] is not None:
```

Mutant 210

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -142,7 +142,7 @@
         mordred["protection"] += a["protection"]

    # apply weapon
-    mordred["power"] += mordred["weapon"]["power"]
+    mordred["power"] += mordred["XXweaponXX"]["power"]

    # apply potion if exist
    if mordred["potion"] is not None:
```

Mutant 211

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -142,7 +142,7 @@
         mordred["protection"] += a["protection"]

    # apply weapon
-    mordred["power"] += mordred["weapon"]["power"]
+    mordred["power"] += mordred["weapon"]["XXpowerXX"]

    # apply potion if exist
    if mordred["potion"] is not None:
```

Mutant 212

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -145,7 +145,7 @@
     mordred["power"] += mordred["weapon"]["power"]

    # apply potion if exist
-    if mordred["potion"] is not None:
+    if mordred["XXpotionXX"] is not None:
        if "power" in mordred["potion"]["effect"]:
            mordred["power"] += mordred["potion"]["effect"]["power"]
```

Mutant 216

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -146,7 +146,7 @@

    # apply potion if exist
    if mordred["potion"] is not None:
-        if "power" in mordred["potion"]["effect"]:
+        if "power" in mordred["XXpotionXX"]["effect"]:
            mordred["power"] += mordred["potion"]["effect"]["power"]

        if "protection" in mordred["potion"]["effect"]:
```

Mutant 217

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -146,7 +146,7 @@

    # apply potion if exist
    if mordred["potion"] is not None:
-        if "power" in mordred["potion"]["effect"]:
+        if "power" in mordred["potion"]["XXeffectXX"]:
            mordred["power"] += mordred["potion"]["effect"]["power"]

        if "protection" in mordred["potion"]["effect"]:
```

Mutant 218

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -147,7 +147,7 @@
    # apply potion if exist
    if mordred["potion"] is not None:
        if "power" in mordred["potion"]["effect"]:
-            mordred["power"] += mordred["potion"]["effect"]["power"]
+            mordred["XXpowerXX"] += mordred["potion"]["effect"]["power"]

        if "protection" in mordred["potion"]["effect"]:
            mordred["protection"] += mordred["potion"]["effect"]["protection"]
```

Mutant 221

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -147,7 +147,7 @@
    # apply potion if exist
    if mordred["potion"] is not None:
        if "power" in mordred["potion"]["effect"]:
-            mordred["power"] += mordred["potion"]["effect"]["power"]
+            mordred["power"] += mordred["XXpotionXX"]["effect"]["power"]

        if "protection" in mordred["potion"]["effect"]:
            mordred["protection"] += mordred["potion"]["effect"]["protection"]
```

Mutant 222

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -147,7 +147,7 @@
         # apply potion if exist
         if mordred["potion"] is not None:
             if "power" in mordred["potion"]["effect"]:
-                mordred["power"] += mordred["potion"]["effect"]["power"]
+                mordred["power"] += mordred["potion"]["XXeffectXX"]["power"]

             if "protection" in mordred["potion"]["effect"]:
                 mordred["protection"] += mordred["potion"]["effect"]["protection"]
```

Mutant 223

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -147,7 +147,7 @@
         # apply potion if exist
         if mordred["potion"] is not None:
             if "power" in mordred["potion"]["effect"]:
-                mordred["power"] += mordred["potion"]["effect"]["power"]
+                mordred["power"] += mordred["potion"]["effect"]["XXpowerXX"]

             if "protection" in mordred["potion"]["effect"]:
                 mordred["protection"] += mordred["potion"]["effect"]["protection"]
```

Mutant 226

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -149,7 +149,7 @@
             if "power" in mordred["potion"]["effect"]:
                 mordred["power"] += mordred["potion"]["effect"]["power"]

-            if "protection" in mordred["potion"]["effect"]:
+            if "protection" in mordred["XXpotionXX"]["effect"]:
                 mordred["protection"] += mordred["potion"]["effect"]["protection"]

             if "hp" in mordred["potion"]["effect"]:
```

Mutant 227

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -149,7 +149,7 @@
             if "power" in mordred["potion"]["effect"]:
                 mordred["power"] += mordred["potion"]["effect"]["power"]

-            if "protection" in mordred["potion"]["effect"]:
+            if "protection" in mordred["potion"]["XXeffectXX"]:
                 mordred["protection"] += mordred["potion"]["effect"]["protection"]

             if "hp" in mordred["potion"]["effect"]:
```

Mutant 228

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -150,7 +150,7 @@
                 mordred["power"] += mordred["potion"]["effect"]["power"]

             if "protection" in mordred["potion"]["effect"]:
-                mordred["protection"] += mordred["potion"]["effect"]["protection"]
+                mordred["XXprotectionXX"] += mordred["potion"]["effect"]["protection"]

             if "hp" in mordred["potion"]["effect"]:
                 mordred["hp"] += mordred["potion"]["effect"]["hp"]
```

Mutant 231

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -150,7 +150,7 @@
                 mordred["power"] += mordred["potion"]["effect"]["power"]

             if "protection" in mordred["potion"]["effect"]:
-                mordred["protection"] += mordred["potion"]["effect"]["protection"]
+                mordred["protection"] += mordred["XXpotionXX"]["effect"]["protection"]

             if "hp" in mordred["potion"]["effect"]:
                 mordred["hp"] += mordred["potion"]["effect"]["hp"]
```

Mutant 232

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -150,7 +150,7 @@
                 mordred["power"] += mordred["potion"]["effect"]["power"]

             if "protection" in mordred["potion"]["effect"]:
-                mordred["protection"] += mordred["potion"]["effect"]["protection"]
+                mordred["protection"] += mordred["potion"]["XXeffectXX"]["protection"]

             if "hp" in mordred["potion"]["effect"]:
                 mordred["hp"] += mordred["potion"]["effect"]["hp"]
```

Mutant 233

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -150,7 +150,7 @@
            mordred["power"] += mordred["potion"]["effect"]["power"]

        if "protection" in mordred["potion"]["effect"]:
-           mordred["protection"] += mordred["potion"]["effect"]["protection"]
+           mordred["protection"] += mordred["potion"]["effect"]["XXprotectionXX"]

        if "hp" in mordred["potion"]["effect"]:
            mordred["hp"] += mordred["potion"]["effect"]["hp"]
```

Mutant 236

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -152,7 +152,7 @@
        if "protection" in mordred["potion"]["effect"]:
            mordred["protection"] += mordred["potion"]["effect"]["protection"]

-       if "hp" in mordred["potion"]["effect"]:
+       if "hp" in mordred["XXpotionXX"]["effect"]:
            mordred["hp"] += mordred["potion"]["effect"]["hp"]

    # red_knight
```

Mutant 237

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -152,7 +152,7 @@
        if "protection" in mordred["potion"]["effect"]:
            mordred["protection"] += mordred["potion"]["effect"]["protection"]

-       if "hp" in mordred["potion"]["effect"]:
+       if "hp" in mordred["potion"]["XXeffectXX"]:
            mordred["hp"] += mordred["potion"]["effect"]["hp"]

    # red_knight
```

Mutant 238

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -153,7 +153,7 @@
            mordred["protection"] += mordred["potion"]["effect"]["protection"]

        if "hp" in mordred["potion"]["effect"]:
-           mordred["hp"] += mordred["potion"]["effect"]["hp"]
+           mordred["XXhpXX"] += mordred["potion"]["effect"]["hp"]

    # red_knight
    red_knight = knightsConfig["red_knight"]
```

Mutant 241

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -153,7 +153,7 @@
            mordred["protection"] += mordred["potion"]["effect"]["protection"]

        if "hp" in mordred["potion"]["effect"]:
-           mordred["hp"] += mordred["potion"]["effect"]["hp"]
+           mordred["hp"] += mordred["XXpotionXX"]["effect"]["hp"]

    # red_knight
    red_knight = knightsConfig["red_knight"]
```

Mutant 242

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -153,7 +153,7 @@
            mordred["protection"] += mordred["potion"]["effect"]["protection"]

        if "hp" in mordred["potion"]["effect"]:
-           mordred["hp"] += mordred["potion"]["effect"]["hp"]
+           mordred["hp"] += mordred["potion"]["XXeffectXX"]["hp"]

    # red_knight
    red_knight = knightsConfig["red_knight"]
```

Mutant 243

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -153,7 +153,7 @@
            mordred["protection"] += mordred["potion"]["effect"]["protection"]

        if "hp" in mordred["potion"]["effect"]:
-           mordred["hp"] += mordred["potion"]["effect"]["hp"]
+           mordred["hp"] += mordred["potion"]["effect"]["XXhpXX"]

    # red_knight
    red_knight = knightsConfig["red_knight"]
```

Mutant 244

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -156,7 +156,7 @@
             mordred["hp"] += mordred["potion"]["effect"]["hp"]

    # red_knight
-   red_knight = knightsConfig["red_knight"]
+   red_knight = knightsConfig["XXred_knightXX"]

    # apply armour
    red_knight["protection"] = 0
```

Mutant 245

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -156,7 +156,7 @@
             mordred["hp"] += mordred["potion"]["effect"]["hp"]

    # red_knight
-   red_knight = knightsConfig["red_knight"]
+   red_knight = None

    # apply armour
    red_knight["protection"] = 0
```

Mutant 246

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -159,7 +159,7 @@
    red_knight = knightsConfig["red_knight"]

    # apply armour
-   red_knight["protection"] = 0
+   red_knight["XXprotectionXX"] = 0
    for a in red_knight["armour"]:
        red_knight["protection"] += a["protection"]
```

Mutant 248

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -159,7 +159,7 @@
    red_knight = knightsConfig["red_knight"]

    # apply armour
-   red_knight["protection"] = 0
+   red_knight["protection"] = None
    for a in red_knight["armour"]:
        red_knight["protection"] += a["protection"]
```

Mutant 249

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -160,7 +160,7 @@

    # apply armour
    red_knight["protection"] = 0
-   for a in red_knight["armour"]:
+   for a in red_knight["XXarmourXX"]:
        red_knight["protection"] += a["protection"]

    # apply weapon
```

Mutant 250

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -161,7 +161,7 @@
    # apply armour
    red_knight["protection"] = 0
    for a in red_knight["armour"]:
-       red_knight["protection"] += a["protection"]
+       red_knight["XXprotectionXX"] += a["protection"]

    # apply weapon
    red_knight["power"] += red_knight["weapon"]["power"]
```

Mutant 251

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -161,7 +161,7 @@
    # apply armour
    red_knight["protection"] = 0
    for a in red_knight["armour"]:
-       red_knight["protection"] += a["protection"]
+       red_knight["protection"] = a["protection"]

    # apply weapon
    red_knight["power"] += red_knight["weapon"]["power"]
```

Mutant 253

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -161,7 +161,7 @@
     # apply armour
     red_knight["protection"] = 0
     for a in red_knight["armour"]:
-        red_knight["protection"] += a["protection"]
+        red_knight["protection"] += a["XXprotectionXX"]

     # apply weapon
     red_knight["power"] += red_knight["weapon"]["power"]
```

Mutant 254

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -164,7 +164,7 @@
         red_knight["protection"] += a["protection"]

     # apply weapon
-    red_knight["power"] += red_knight["weapon"]["power"]
+    red_knight["XXpowerXX"] += red_knight["weapon"]["power"]

     # apply potion if exist
     if red_knight["potion"] is not None:
```

Mutant 257

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -164,7 +164,7 @@
         red_knight["protection"] += a["protection"]

     # apply weapon
-    red_knight["power"] += red_knight["weapon"]["power"]
+    red_knight["power"] += red_knight["XXweaponXX"]["power"]

     # apply potion if exist
     if red_knight["potion"] is not None:
```

Mutant 258

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -164,7 +164,7 @@
         red_knight["protection"] += a["protection"]

     # apply weapon
-    red_knight["power"] += red_knight["weapon"]["power"]
+    red_knight["power"] += red_knight["weapon"]["XXpowerXX"]

     # apply potion if exist
     if red_knight["potion"] is not None:
```

Mutant 259

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -167,7 +167,7 @@
     red_knight["power"] += red_knight["weapon"]["power"]

     # apply potion if exist
-    if red_knight["potion"] is not None:
+    if red_knight["XXpotionXX"] is not None:
         if "power" in red_knight["potion"]["effect"]:
             red_knight["power"] += red_knight["potion"]["effect"]["power"]
```

Mutant 263

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -168,7 +168,7 @@
     # apply potion if exist
     if red_knight["potion"] is not None:
-        if "power" in red_knight["potion"]["effect"]:
+        if "power" in red_knight["XXpotionXX"]["effect"]:
             red_knight["power"] += red_knight["potion"]["effect"]["power"]

         if "protection" in red_knight["potion"]["effect"]:
```

Mutant 264

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -168,7 +168,7 @@
     # apply potion if exist
     if red_knight["potion"] is not None:
-        if "power" in red_knight["potion"]["effect"]:
+        if "power" in red_knight["potion"]["XXeffectXX"]:
             red_knight["power"] += red_knight["potion"]["effect"]["power"]

         if "protection" in red_knight["potion"]["effect"]:
```

Mutant 265

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -169,7 +169,7 @@
        # apply potion if exist
        if red_knight["potion"] is not None:
            if "power" in red_knight["potion"]["effect"]:
-               red_knight["power"] += red_knight["potion"]["effect"]["power"]
+               red_knight["XXpowerXX"] += red_knight["potion"]["effect"]["power"]

            if "protection" in red_knight["potion"]["effect"]:
                red_knight["protection"] += red_knight["potion"]["effect"]["protection"]
```

Mutant 268

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -169,7 +169,7 @@
        # apply potion if exist
        if red_knight["potion"] is not None:
            if "power" in red_knight["potion"]["effect"]:
-               red_knight["power"] += red_knight["potion"]["effect"]["power"]
+               red_knight["power"] += red_knight["XXpotionXX"]["effect"]["power"]

            if "protection" in red_knight["potion"]["effect"]:
                red_knight["protection"] += red_knight["potion"]["effect"]["protection"]
```

Mutant 269

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -169,7 +169,7 @@
        # apply potion if exist
        if red_knight["potion"] is not None:
            if "power" in red_knight["potion"]["effect"]:
-               red_knight["power"] += red_knight["potion"]["effect"]["power"]
+               red_knight["power"] += red_knight["potion"]["XXeffectXX"]["power"]

            if "protection" in red_knight["potion"]["effect"]:
                red_knight["protection"] += red_knight["potion"]["effect"]["protection"]
```

Mutant 270

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -169,7 +169,7 @@
        # apply potion if exist
        if red_knight["potion"] is not None:
            if "power" in red_knight["potion"]["effect"]:
-               red_knight["power"] += red_knight["potion"]["effect"]["power"]
+               red_knight["power"] += red_knight["potion"]["effect"]["XXpowerXX"]

            if "protection" in red_knight["potion"]["effect"]:
                red_knight["protection"] += red_knight["potion"]["effect"]["protection"]
```

Mutant 271

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -171,7 +171,7 @@
            if "power" in red_knight["potion"]["effect"]:
                red_knight["power"] += red_knight["potion"]["effect"]["power"]

-           if "protection" in red_knight["potion"]["effect"]:
+           if "XXprotectionXX" in red_knight["potion"]["effect"]:
                red_knight["protection"] += red_knight["potion"]["effect"]["protection"]

            if "hp" in red_knight["potion"]["effect"]:
```

Mutant 272

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -171,7 +171,7 @@
            if "power" in red_knight["potion"]["effect"]:
                red_knight["power"] += red_knight["potion"]["effect"]["power"]

-           if "protection" in red_knight["potion"]["effect"]:
+           if "protection" not in red_knight["potion"]["effect"]:
                red_knight["protection"] += red_knight["potion"]["effect"]["protection"]

            if "hp" in red_knight["potion"]["effect"]:
```

Mutant 273

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -171,7 +171,7 @@
            if "power" in red_knight["potion"]["effect"]:
                red_knight["power"] += red_knight["potion"]["effect"]["power"]

-           if "protection" in red_knight["potion"]["effect"]:
+           if "protection" in red_knight["XXpotionXX"]["effect"]:
                red_knight["protection"] += red_knight["potion"]["effect"]["protection"]

            if "hp" in red_knight["potion"]["effect"]:
```

Mutant 274

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -171,7 +171,7 @@
        if "power" in red_knight["potion"]["effect"]:
            red_knight["power"] += red_knight["potion"]["effect"]["power"]

-       if "protection" in red_knight["potion"]["effect"]:
+       if "protection" in red_knight["potion"]["XXeffectXX"]:
            red_knight["protection"] += red_knight["potion"]["effect"]["protection"]

        if "hp" in red_knight["potion"]["effect"]:
```

Mutant 275

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -172,7 +172,7 @@
            red_knight["power"] += red_knight["potion"]["effect"]["power"]

        if "protection" in red_knight["potion"]["effect"]:
-           red_knight["protection"] += red_knight["potion"]["effect"]["protection"]
+           red_knight["XXprotectionXX"] += red_knight["potion"]["effect"]["protection"]

        if "hp" in red_knight["potion"]["effect"]:
            red_knight["hp"] += red_knight["potion"]["effect"]["hp"]
```

Mutant 276

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -172,7 +172,7 @@
            red_knight["power"] += red_knight["potion"]["effect"]["power"]

        if "protection" in red_knight["potion"]["effect"]:
-           red_knight["protection"] += red_knight["potion"]["effect"]["protection"]
+           red_knight["protection"] = red_knight["potion"]["effect"]["protection"]

        if "hp" in red_knight["potion"]["effect"]:
            red_knight["hp"] += red_knight["potion"]["effect"]["hp"]
```

Mutant 277

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -172,7 +172,7 @@
            red_knight["power"] += red_knight["potion"]["effect"]["power"]

        if "protection" in red_knight["potion"]["effect"]:
-           red_knight["protection"] += red_knight["potion"]["effect"]["protection"]
+           red_knight["protection"] -= red_knight["potion"]["effect"]["protection"]

        if "hp" in red_knight["potion"]["effect"]:
            red_knight["hp"] += red_knight["potion"]["effect"]["hp"]
```

Mutant 278

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -172,7 +172,7 @@
            red_knight["power"] += red_knight["potion"]["effect"]["power"]

        if "protection" in red_knight["potion"]["effect"]:
-           red_knight["protection"] += red_knight["potion"]["effect"]["protection"]
+           red_knight["protection"] += red_knight["XXpotionXX"]["effect"]["protection"]

        if "hp" in red_knight["potion"]["effect"]:
            red_knight["hp"] += red_knight["potion"]["effect"]["hp"]
```

Mutant 279

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -172,7 +172,7 @@
            red_knight["power"] += red_knight["potion"]["effect"]["power"]

        if "protection" in red_knight["potion"]["effect"]:
-           red_knight["protection"] += red_knight["potion"]["effect"]["protection"]
+           red_knight["protection"] += red_knight["potion"]["XXeffectXX"]["protection"]

        if "hp" in red_knight["potion"]["effect"]:
            red_knight["hp"] += red_knight["potion"]["effect"]["hp"]
```

Mutant 280

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -172,7 +172,7 @@
            red_knight["power"] += red_knight["potion"]["effect"]["power"]

        if "protection" in red_knight["potion"]["effect"]:
-           red_knight["protection"] += red_knight["potion"]["effect"]["protection"]
+           red_knight["protection"] += red_knight["potion"]["effect"]["XXprotectionXX"]

        if "hp" in red_knight["potion"]["effect"]:
            red_knight["hp"] += red_knight["potion"]["effect"]["hp"]
```

Mutant 283

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -174,7 +174,7 @@
         if "protection" in red_knight["potion"]["effect"]:
             red_knight["protection"] += red_knight["potion"]["effect"]["protection"]

-        if "hp" in red_knight["potion"]["effect"]:
+        if "hp" in red_knight["XXpotionXX"]["effect"]:
             red_knight["hp"] += red_knight["potion"]["effect"]["hp"]

    # ------------------------------------------------------------------------
```

Mutant 284

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -174,7 +174,7 @@
         if "protection" in red_knight["potion"]["effect"]:
             red_knight["protection"] += red_knight["potion"]["effect"]["protection"]

-        if "hp" in red_knight["potion"]["effect"]:
+        if "hp" in red_knight["potion"]["XXeffectXX"]:
             red_knight["hp"] += red_knight["potion"]["effect"]["hp"]

    # ------------------------------------------------------------------------
```

Mutant 285

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -175,7 +175,7 @@
             red_knight["protection"] += red_knight["potion"]["effect"]["protection"]

        if "hp" in red_knight["potion"]["effect"]:
-            red_knight["hp"] += red_knight["potion"]["effect"]["hp"]
+            red_knight["XXhpXX"] += red_knight["potion"]["effect"]["hp"]

    # ------------------------------------------------------------------------
    # BATTLE:
```

Mutant 288

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -175,7 +175,7 @@
             red_knight["protection"] += red_knight["potion"]["effect"]["protection"]

        if "hp" in red_knight["potion"]["effect"]:
-            red_knight["hp"] += red_knight["potion"]["effect"]["hp"]
+            red_knight["hp"] += red_knight["XXpotionXX"]["effect"]["hp"]

    # ------------------------------------------------------------------------
    # BATTLE:
```

Mutant 289

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -175,7 +175,7 @@
             red_knight["protection"] += red_knight["potion"]["effect"]["protection"]

        if "hp" in red_knight["potion"]["effect"]:
-            red_knight["hp"] += red_knight["potion"]["effect"]["hp"]
+            red_knight["hp"] += red_knight["potion"]["XXeffectXX"]["hp"]

    # ------------------------------------------------------------------------
    # BATTLE:
```

Mutant 290

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -175,7 +175,7 @@
             red_knight["protection"] += red_knight["potion"]["effect"]["protection"]

        if "hp" in red_knight["potion"]["effect"]:
-            red_knight["hp"] += red_knight["potion"]["effect"]["hp"]
+            red_knight["hp"] += red_knight["potion"]["effect"]["XXhpXX"]

    # ------------------------------------------------------------------------
    # BATTLE:
```

Mutant 291

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -181,7 +181,7 @@
    # BATTLE:

    # 1 Lancelot vs Mordred:
-    lancelot["hp"] -= mordred["power"] - lancelot["protection"]
+    lancelot["XXhpXX"] -= mordred["power"] - lancelot["protection"]
    mordred["hp"] -= lancelot["power"] - mordred["protection"]

    # check if someone fell in battle
```

Mutant 294

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -181,7 +181,7 @@
     # BATTLE:

     # 1 Lancelot vs Mordred:
-    lancelot["hp"] -= mordred["power"] - lancelot["protection"]
+    lancelot["hp"] -= mordred["XXpowerXX"] - lancelot["protection"]
     mordred["hp"] -= lancelot["power"] - mordred["protection"]

     # check if someone fell in battle
```

Mutant 296

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -181,7 +181,7 @@
     # BATTLE:

     # 1 Lancelot vs Mordred:
-    lancelot["hp"] -= mordred["power"] - lancelot["protection"]
+    lancelot["hp"] -= mordred["power"] - lancelot["XXprotectionXX"]
     mordred["hp"] -= lancelot["power"] - mordred["protection"]

     # check if someone fell in battle
```

Mutant 297

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -182,7 +182,7 @@

     # 1 Lancelot vs Mordred:
     lancelot["hp"] -= mordred["power"] - lancelot["protection"]
-    mordred["hp"] -= lancelot["power"] - mordred["protection"]
+    mordred["XXhpXX"] -= lancelot["power"] - mordred["protection"]

     # check if someone fell in battle
     if lancelot["hp"] <= 0:
```

Mutant 300

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -182,7 +182,7 @@

     # 1 Lancelot vs Mordred:
     lancelot["hp"] -= mordred["power"] - lancelot["protection"]
-    mordred["hp"] -= lancelot["power"] - mordred["protection"]
+    mordred["hp"] -= lancelot["XXpowerXX"] - mordred["protection"]

     # check if someone fell in battle
     if lancelot["hp"] <= 0:
```

Mutant 302

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -182,7 +182,7 @@

     # 1 Lancelot vs Mordred:
     lancelot["hp"] -= mordred["power"] - lancelot["protection"]
-    mordred["hp"] -= lancelot["power"] - mordred["protection"]
+    mordred["hp"] -= lancelot["power"] - mordred["XXprotectionXX"]

     # check if someone fell in battle
     if lancelot["hp"] <= 0:
```

Mutant 303

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -185,7 +185,7 @@
     mordred["hp"] -= lancelot["power"] - mordred["protection"]

     # check if someone fell in battle
-    if lancelot["hp"] <= 0:
+    if lancelot["XXhpXX"] <= 0:
         lancelot["hp"] = 0

     if mordred["hp"] <= 0:
```

Mutant 304

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -185,7 +185,7 @@
     mordred["hp"] -= lancelot["power"] - mordred["protection"]

     # check if someone fell in battle
-    if lancelot["hp"] <= 0:
+    if lancelot["hp"] < 0:
         lancelot["hp"] = 0

     if mordred["hp"] <= 0:
```

Mutant 305

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -185,7 +185,7 @@
     mordred["hp"] -= lancelot["power"] - mordred["protection"]

     # check if someone fell in battle
-    if lancelot["hp"] <= 0:
+    if lancelot["hp"] <= 1:
         lancelot["hp"] = 0

     if mordred["hp"] <= 0:
```

Mutant 309

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -188,7 +188,7 @@
     if lancelot["hp"] <= 0:
         lancelot["hp"] = 0

-    if mordred["hp"] <= 0:
+    if mordred["XXhpXX"] <= 0:
         mordred["hp"] = 0

     # 2 Arthur vs Red Knight:
```

Mutant 310

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -188,7 +188,7 @@
     if lancelot["hp"] <= 0:
         lancelot["hp"] = 0

-    if mordred["hp"] <= 0:
+    if mordred["hp"] < 0:
         mordred["hp"] = 0

     # 2 Arthur vs Red Knight:
```

Mutant 311

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -188,7 +188,7 @@
     if lancelot["hp"] <= 0:
         lancelot["hp"] = 0

-    if mordred["hp"] <= 0:
+    if mordred["hp"] <= 1:
         mordred["hp"] = 0

     # 2 Arthur vs Red Knight:
```

Mutant 315

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -192,7 +192,7 @@
         mordred["hp"] = 0

     # 2 Arthur vs Red Knight:
-    arthur["hp"] -= red_knight["power"] - arthur["protection"]
+    arthur["XXhpXX"] -= red_knight["power"] - arthur["protection"]
     red_knight["hp"] -= arthur["power"] - red_knight["protection"]

     # check if someone fell in battle
```

Mutant 318

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -192,7 +192,7 @@
         mordred["hp"] = 0

     # 2 Arthur vs Red Knight:
-    arthur["hp"] -= red_knight["power"] - arthur["protection"]
+    arthur["hp"] -= red_knight["XXpowerXX"] - arthur["protection"]
     red_knight["hp"] -= arthur["power"] - red_knight["protection"]

     # check if someone fell in battle
```

Mutant 320

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -192,7 +192,7 @@
         mordred["hp"] = 0

     # 2 Arthur vs Red Knight:
-    arthur["hp"] -= red_knight["power"] - arthur["protection"]
+    arthur["hp"] -= red_knight["power"] - arthur["XXprotectionXX"]
     red_knight["hp"] -= arthur["power"] - red_knight["protection"]

     # check if someone fell in battle
```

Mutant 321

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -193,7 +193,7 @@

     # 2 Arthur vs Red Knight:
     arthur["hp"] -= red_knight["power"] - arthur["protection"]
-    red_knight["hp"] -= arthur["power"] - red_knight["protection"]
+    red_knight["XXhpXX"] -= arthur["power"] - red_knight["protection"]

     # check if someone fell in battle
     if arthur["hp"] <= 0:
```

Mutant 324

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -193,7 +193,7 @@

     # 2 Arthur vs Red Knight:
     arthur["hp"] -= red_knight["power"] - arthur["protection"]
-    red_knight["hp"] -= arthur["power"] - red_knight["protection"]
+    red_knight["hp"] -= arthur["XXpowerXX"] - red_knight["protection"]

     # check if someone fell in battle
     if arthur["hp"] <= 0:
```

Mutant 326

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -193,7 +193,7 @@

     # 2 Arthur vs Red Knight:
     arthur["hp"] -= red_knight["power"] - arthur["protection"]
-    red_knight["hp"] -= arthur["power"] - red_knight["protection"]
+    red_knight["hp"] -= arthur["power"] - red_knight["XXprotectionXX"]

     # check if someone fell in battle
     if arthur["hp"] <= 0:
```

Mutant 327

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -196,7 +196,7 @@
     red_knight["hp"] -= arthur["power"] - red_knight["protection"]

     # check if someone fell in battle
-    if arthur["hp"] <= 0:
+    if arthur["XXhpXX"] <= 0:
         arthur["hp"] = 0

     if red_knight["hp"] <= 0:
```

Mutant 328

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -196,7 +196,7 @@
     red_knight["hp"] -= arthur["power"] - red_knight["protection"]

     # check if someone fell in battle
-    if arthur["hp"] <= 0:
+    if arthur["hp"] < 0:
         arthur["hp"] = 0

     if red_knight["hp"] <= 0:
```

Mutant 329

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -196,7 +196,7 @@
     red_knight["hp"] -= arthur["power"] - red_knight["protection"]

     # check if someone fell in battle
-    if arthur["hp"] <= 0:
+    if arthur["hp"] <= 1:
         arthur["hp"] = 0

     if red_knight["hp"] <= 0:
```

Mutant 333

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -199,7 +199,7 @@
     if arthur["hp"] <= 0:
         arthur["hp"] = 0

-    if red_knight["hp"] <= 0:
+    if red_knight["XXhpXX"] <= 0:
         red_knight["hp"] = 0

     # Return battle results:
```

Mutant 334

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -199,7 +199,7 @@
     if arthur["hp"] <= 0:
         arthur["hp"] = 0

-    if red_knight["hp"] <= 0:
+    if red_knight["hp"] < 0:
         red_knight["hp"] = 0

    # Return battle results:
```

Mutant 335

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -199,7 +199,7 @@
     if arthur["hp"] <= 0:
         arthur["hp"] = 0

-    if red_knight["hp"] <= 0:
+    if red_knight["hp"] <= 1:
         red_knight["hp"] = 0

    # Return battle results:
```

Mutant 339

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -204,7 +204,7 @@

    # Return battle results:
    return {
-        lancelot["name"]: lancelot["hp"],
+        lancelot["XXnameXX"]: lancelot["hp"],
        arthur["name"]: arthur["hp"],
        mordred["name"]: mordred["hp"],
        red_knight["name"]: red_knight["hp"],
```

Mutant 340

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -204,7 +204,7 @@

    # Return battle results:
    return {
-        lancelot["name"]: lancelot["hp"],
+        lancelot["name"]: lancelot["XXhpXX"],
        arthur["name"]: arthur["hp"],
        mordred["name"]: mordred["hp"],
        red_knight["name"]: red_knight["hp"],
```

Mutant 341

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -205,7 +205,7 @@
    # Return battle results:
    return {
        lancelot["name"]: lancelot["hp"],
-        arthur["name"]: arthur["hp"],
+        arthur["XXnameXX"]: arthur["hp"],
        mordred["name"]: mordred["hp"],
        red_knight["name"]: red_knight["hp"],
    }
```

Mutant 342

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -205,7 +205,7 @@
    # Return battle results:
    return {
        lancelot["name"]: lancelot["hp"],
-        arthur["name"]: arthur["hp"],
+        arthur["name"]: arthur["XXhpXX"],
        mordred["name"]: mordred["hp"],
        red_knight["name"]: red_knight["hp"],
    }
```

Mutant 343

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -206,7 +206,7 @@
    return {
        lancelot["name"]: lancelot["hp"],
        arthur["name"]: arthur["hp"],
-        mordred["name"]: mordred["hp"],
+        mordred["XXnameXX"]: mordred["hp"],
        red_knight["name"]: red_knight["hp"],
    }
```

Mutant 344

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -206,7 +206,7 @@
     return {
         lancelot["name"]: lancelot["hp"],
         arthur["name"]: arthur["hp"],
-        mordred["name"]: mordred["hp"],
+        mordred["name"]: mordred["XXhpXX"],
         red_knight["name"]: red_knight["hp"],
     }
```

Mutant 345

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -207,7 +207,7 @@
         lancelot["name"]: lancelot["hp"],
         arthur["name"]: arthur["hp"],
         mordred["name"]: mordred["hp"],
-        red_knight["name"]: red_knight["hp"],
+        red_knight["XXnameXX"]: red_knight["hp"],
     }
```

Mutant 346

```
--- /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
+++ /home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_rodrigo/py-knights-fighting/app/main.py
@@ -207,7 +207,7 @@
         lancelot["name"]: lancelot["hp"],
         arthur["name"]: arthur["hp"],
         mordred["name"]: mordred["hp"],
-        red_knight["name"]: red_knight["hp"],
+        red_knight["name"]: red_knight["XXhpXX"],
     }
```