

/home/rodrigo/repos/personal/college/Teste_Software_Mutantes_2024_santana_knights-fighting/app/main.py

Killed 159 out of 348 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
@@ -1,7 +1,7 @@
import copy
```

```
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
@@ -2,7 +2,7 @@
```

```
KNIGHTS = {
    "lancelot": {
-       "name": "Lancelot",
+       "XXnameXX": "Lancelot",
        "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
@@ -3,7 +3,7 @@
```

```
KNIGHTS = {
    "lancelot": {
        "name": "Lancelot",
-       "power": 35,
+       "XXpowerXX": 35,
        "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
@@ -4,7 +4,7 @@
```

```
"lancelot": {
    "name": "Lancelot",
    "power": 35,
-   "hp": 100,
+   "XXhpXX": 100,
    "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
@@ -5,7 +5,7 @@
```

```
"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
@@ -6,7 +6,7 @@
```

```
"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
@@ -7,7 +7,7 @@
     "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
@@ -7,7 +7,7 @@
     "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
@@ -8,7 +8,7 @@
     "armour": [],
     "weapon": {
         "name": "Metal Sword",
-        "power": 50,
+        "XXpowerXX": 50,
     },
     "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
@@ -10,7 +10,7 @@
         "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
@@ -12,7 +12,7 @@
     },
     "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
@@ -13,7 +13,7 @@
     "potion": None,
 },
 "arthur": {
-    "name": "Arthur",
+    "XXnameXX": "Arthur",
     "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
@@ -14,7 +14,7 @@
     },
     "arthur": {
         "name": "Arthur",
-        "power": 45,
+        "XXpowerXX": 45,
         "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
@@ -15,7 +15,7 @@
     "arthur": {
         "name": "Arthur",
         "power": 45,
-        "hp": 75,
+        "XXhpXX": 75,
         "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
@@ -16,7 +16,7 @@
     "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
@@ -18,7 +18,7 @@
     "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
@@ -18,7 +18,7 @@
     "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
@@ -19,7 +19,7 @@
     "armour": [
         {
-            "part": "helmet",
+            "protection": 15,
+            "XXprotectionXX": 15,
         },
         {
             "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
@@ -22,7 +22,7 @@
         "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
@@ -22,7 +22,7 @@
         "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
@@ -23,7 +23,7 @@
     },
     {
-        "part": "breastplate",
-        "protection": 20,
+        "XXprotectionXX": 20,
     },
     {
-        "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
@@ -26,7 +26,7 @@
         "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
@@ -26,7 +26,7 @@
         "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
@@ -27,7 +27,7 @@
     },
     {
-        "part": "boots",
-        "protection": 10,
+        "XXprotectionXX": 10,
     },
 ],
 "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
@@ -30,7 +30,7 @@
         "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
@@ -31,7 +31,7 @@
     },
 ],
 "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
@@ -31,7 +31,7 @@
     },
 ],
 "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
@@ -32,7 +32,7 @@
     ],
     "weapon": {
-        "name": "Two-handed Sword",
-        "power": 55,
+        "XXpowerXX": 55,
     },
     "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
@@ -34,7 +34,7 @@
     "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
@@ -36,7 +36,7 @@
     },
     "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
@@ -37,7 +37,7 @@
     "potion": None,
 },
 "mordred": {
-    "name": "Mordred",
+    "XXnameXX": "Mordred",
+    "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
@@ -38,7 +38,7 @@
     },
     "mordred": {
         "name": "Mordred",
-        "power": 30,
+        "XXpowerXX": 30,
         "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
@@ -39,7 +39,7 @@
     "mordred": {
         "name": "Mordred",
         "power": 30,
         "hp": 90,
+        "XXhpXX": 90,
         "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
@@ -40,7 +40,7 @@
     "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
@@ -42,7 +42,7 @@
     "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
@@ -42,7 +42,7 @@
     "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
@@ -43,7 +43,7 @@
     "armour": [
-        {
+            "part": "breastplate",
+            "protection": 15,
+            "XXprotectionXX": 15,
+        },
         {
             "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
@@ -46,7 +46,7 @@
         "protection": 15,
     },
     {
-        "part": "boots",
+        "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
@@ -46,7 +46,7 @@
         "protection": 15,
     },
     {
-        "part": "boots",
+        "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
@@ -47,7 +47,7 @@
     },
     {
-        "part": "boots",
+        "part": "boots",
+        "protection": 10,
+        "XXprotectionXX": 10,
     }
 ],
 "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
@@ -50,7 +50,7 @@
         "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
@@ -51,7 +51,7 @@
    }
    ],
    "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
@@ -51,7 +52,7 @@
    }
    ],
    "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
@@ -52,7 +52,7 @@
    ],
    "weapon": {
        "name": "Poisoned Sword",
-       "power": 60,
+       "XXpowerXX": 60,
    },
    "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
@@ -54,7 +54,7 @@
        "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
@@ -55,7 +55,7 @@
        "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
@@ -55,7 +55,7 @@
        "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
@@ -56,7 +56,7 @@
    },
    "potion": {
        "name": "Berserk",
        "effect": {
+       "XXeffectXX": {
            "power": +15,
            "hp": -5,
            "protection": +10,
```

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
@@ -63,7 +63,7 @@
     }
   },
-   "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
@@ -64,7 +64,7 @@
     }
   },
-   "red_knight": {
+   "red_knight": {
     "name": "Red Knight",
+    "XXnameXX": "Red Knight",
     "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
@@ -65,7 +65,7 @@
     },
     "red_knight": {
       "name": "Red Knight",
-       "power": 40,
+       "XXpowerXX": 40,
       "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
@@ -66,7 +66,7 @@
     "red_knight": {
       "name": "Red Knight",
       "power": 40,
-       "hp": 70,
+       "XXhpXX": 70,
       "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
@@ -67,7 +67,7 @@
     "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
@@ -69,7 +69,7 @@
     "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
@@ -69,7 +69,7 @@
     "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
@@ -70,7 +70,7 @@
     "armour": [
         {
             "part": "breastplate",
-            "protection": 25,
+            "XXprotectionXX": 25,
         }
     ],
     "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
@@ -73,7 +73,7 @@
         "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
@@ -74,7 +74,7 @@
     }
 ],
-    "weapon": {
+    "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
@@ -74,7 +74,7 @@
     }
 ],
-    "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
@@ -75,7 +75,7 @@
     },
     "weapon": {
         "name": "Sword",
-        "power": 45
+        "XXpowerXX": 45
     },
     "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
@@ -77,7 +77,7 @@
         "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
@@ -78,7 +78,7 @@
         "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
@@ -78,7 +78,7 @@
     "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
@@ -79,7 +79,7 @@
     },
     "potion": {
         "name": "Blessing",
-        "effect": {
+        "XXeffectXX": {
             "hp": +10,
             "power": +5,
         }

```

Mutant 124

```

--- /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 @@
     # BATTLE PREPARATIONS:

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

    # apply armour
    lancelot["protection"] = 0

```

Mutant 125

```

--- /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 @@
     # BATTLE PREPARATIONS:

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

    # apply armour
    lancelot["protection"] = 0

```

Mutant 126

```

--- /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
@@ -97,7 +97,7 @@
     lancelot = knightsConfig["lancelot"]

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

```

Mutant 128

```

--- /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
@@ -97,7 +97,7 @@
     lancelot = knightsConfig["lancelot"]

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

```

Mutant 129

```

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

    # apply weapon

```

Mutant 131

```

--- /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
@@ -99,7 +99,7 @@
     # 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 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
@@ -102,7 +102,7 @@
     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 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
@@ -102,7 +102,7 @@
     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 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
@@ -102,7 +102,7 @@
     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 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
@@ -105,7 +105,7 @@
     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 140

```

--- /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 @@
     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 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
@@ -109,7 +109,7 @@
         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 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
@@ -110,7 +110,7 @@
     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 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
@@ -110,7 +110,7 @@
     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 157

```
--- /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
@@ -110,7 +110,7 @@
     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 158

```
--- /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
@@ -110,7 +110,7 @@
     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 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
@@ -110,7 +110,7 @@
     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 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
@@ -110,7 +110,7 @@
     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 171

```
--- /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 @@
     lancelot["hp"] += lancelot["potion"]["effect"]["hp"]

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

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

Mutant 172

```
--- /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 @@
     lancelot["hp"] += lancelot["potion"]["effect"]["hp"]

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

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

Mutant 173

```
--- /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
@@ -119,7 +119,7 @@
     arthur = knightsConfig["arthur"]

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

Mutant 175

```
--- /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
@@ -119,7 +119,7 @@
     arthur = knightsConfig["arthur"]

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

Mutant 176

```
--- /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 @@

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

     # apply weapon
```

Mutant 177

```
--- /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
@@ -121,7 +121,7 @@
     # 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 180

```
--- /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
@@ -121,7 +121,7 @@
     # 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 181

```
--- /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
@@ -124,7 +124,7 @@
     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 184

```

--- /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
@@ -124,7 +124,7 @@
     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 185

```

--- /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
@@ -124,7 +124,7 @@
     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 186

```

--- /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
@@ -127,7 +127,7 @@
     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 187

```

--- /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
@@ -127,7 +127,7 @@
     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 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
@@ -138,7 +138,7 @@
     arthur["hp"] += arthur["potion"]["effect"]["hp"]

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

     # apply armour
     mordred["protection"] = 0

```

Mutant 219

```

--- /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 @@
     arthur["hp"] += arthur["potion"]["effect"]["hp"]

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

     # apply armour
     mordred["protection"] = 0

```

Mutant 220

```

--- /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
@@ -141,7 +141,7 @@
     mordred = knightsConfig["mordred"]

     # apply armour
-    mordred["protection"] = 0
+    mordred["XXprotectionXX"] = 0
     for a in mordred["armour"]:
         mordred["protection"] += a["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
@@ -141,7 +141,7 @@
     mordred = knightsConfig["mordred"]

     # apply armour
-    mordred["protection"] = 0
+    mordred["protection"] = None
     for a in mordred["armour"]:
         mordred["protection"] += a["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
@@ -142,7 +142,7 @@

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

     # apply weapon

```

Mutant 224

```

--- /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
@@ -143,7 +143,7 @@
     # 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 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
@@ -143,7 +143,7 @@
     # 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 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
@@ -146,7 +146,7 @@
         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 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
@@ -146,7 +146,7 @@
         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 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
@@ -146,7 +146,7 @@
         mordred["protection"] += a["protection"]

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

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

```

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
@@ -149,7 +149,7 @@
     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 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
@@ -150,7 +150,7 @@
     # 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 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
@@ -150,7 +150,7 @@
     # 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 239

```

--- /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
@@ -151,7 +151,7 @@
     # 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 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
@@ -151,7 +151,7 @@
     # 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 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
@@ -151,7 +151,7 @@
     # 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 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
@@ -151,7 +151,7 @@
     # 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 247

```
--- /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 @@
     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 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
@@ -153,7 +153,7 @@
     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 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
@@ -154,7 +154,7 @@
         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 252

```
--- /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
@@ -154,7 +154,7 @@
         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 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
@@ -154,7 +154,7 @@
         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 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
@@ -154,7 +154,7 @@
         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 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
@@ -156,7 +156,7 @@
     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 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
@@ -156,7 +156,7 @@
     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 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
@@ -157,7 +157,7 @@
         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 262

```
--- /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
@@ -157,7 +157,7 @@
         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 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
@@ -157,7 +157,7 @@
         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 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
@@ -157,7 +157,7 @@
         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 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
@@ -160,7 +160,7 @@
         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 266

```
--- /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 @@
         mordred["hp"] += mordred["potion"]["effect"]["hp"]

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

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

Mutant 267

```

--- /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
@@ -163,7 +163,7 @@
     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 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
@@ -163,7 +163,7 @@
     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 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
@@ -164,7 +164,7 @@

     # 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 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
@@ -165,7 +165,7 @@
     # 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 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
@@ -165,7 +165,7 @@
     # 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 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
@@ -165,7 +165,7 @@
     # 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 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
@@ -168,7 +168,7 @@
     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 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
@@ -168,7 +168,7 @@
     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 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
@@ -168,7 +168,7 @@
     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 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
@@ -171,7 +171,7 @@
     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 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
@@ -172,7 +172,7 @@

     # 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 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
@@ -172,7 +172,7 @@

     # 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 286

```

--- /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
@@ -173,7 +173,7 @@
     # 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 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
@@ -173,7 +173,7 @@
     # 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["XXpotionXX"] += red_knight["XXpotionXX"]["effect"]["power"]

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

```

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
@@ -173,7 +173,7 @@
     # 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 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
@@ -173,7 +173,7 @@
     # 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 292

```
--- /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 @@
     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 293

```
--- /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 @@
     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 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
@@ -175,7 +175,7 @@
     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 295

```
--- /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 @@
     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 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
@@ -176,7 +176,7 @@
         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 298

Mutant 299

Mutant 301

Mutant 304

Mutant 305

file:///home/rodrigo/repos/personal/college/Teste Software Mutantes 2024 santana rodrigo/py-knights-fighting/app/main.py... 22/28

Mutant 306

```

--- /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
@@ -179,7 +179,7 @@
     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 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
@@ -179,7 +179,7 @@
     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 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
@@ -179,7 +179,7 @@
     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 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
@@ -179,7 +179,7 @@
     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 312

```

--- /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 @@
# 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 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
@@ -185,7 +185,7 @@
# 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 317

```

--- /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 @@
# 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 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
@@ -186,7 +186,7 @@

    # 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 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
@@ -186,7 +186,7 @@

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

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

```

Mutant 323

```

--- /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
@@ -186,7 +186,7 @@

    # 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 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
@@ -189,7 +189,7 @@
    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 325

```

--- /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
@@ -189,7 +189,7 @@
    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 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
@@ -189,7 +189,7 @@
    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 330

```

--- /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 @@
    if lancelot["hp"] <= 0:
        lancelot["hp"] = 0

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

    # 2 Arthur vs Red Knight:

```


Mutant 331

```
--- /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 @@
     if lancelot["hp"] <= 0:
         lancelot["hp"] = 0

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

    # 2 Arthur vs Red Knight:
```

Mutant 332

```
--- /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 @@
     if lancelot["hp"] <= 0:
         lancelot["hp"] = 0

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

    # 2 Arthur vs Red Knight:
```

Mutant 336

```
--- /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 @@
     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 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
@@ -196,7 +196,7 @@
     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 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
@@ -196,7 +196,7 @@
     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 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
@@ -197,7 +197,7 @@

    # 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 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
@@ -197,7 +197,7 @@

    # 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 347

```
--- /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
@@ -197,7 +197,7 @@

    # 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 348

```
--- /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
@@ -200,7 +200,7 @@
    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 349

```
--- /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
@@ -200,7 +200,7 @@
    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 350

```
--- /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
@@ -200,7 +200,7 @@
    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 354

```
--- /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
@@ -203,7 +203,7 @@
    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 355

```
--- /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
@@ -203,7 +203,7 @@
    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 356

```
--- /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
@@ -203,7 +203,7 @@
    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 360

```
--- /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
@@ -208,7 +208,7 @@
    # 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 361

```
--- /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
@@ -208,7 +208,7 @@
    # 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 362

```
--- /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
@@ -209,7 +209,7 @@
    # 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 363

```
--- /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
@@ -209,7 +209,7 @@
    # 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 364

```
--- /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
@@ -210,7 +210,7 @@
    return {
        lancelot["name"]: lancelot["hp"],
        arthur["name"]: arthur["hp"],
-       mordred["name"]: mordred["hp"],
+       mordred["XXnameXX"]: mordred["hp"],
        red_knight["name"]: red_knight["hp"],
    }
```

Mutant 365

```
--- /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
@@ -210,7 +210,7 @@
    return {
        lancelot["name"]: lancelot["hp"],
        arthur["name"]: arthur["hp"],
-       mordred["name"]: mordred["hp"],
+       mordred["name"]: mordred["XXhpXX"],
        red_knight["name"]: red_knight["hp"],
    }
```

Mutant 366

```
--- /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
@@ -211,7 +211,7 @@
        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 367

```
--- /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
@@ -211,7 +211,7 @@
     lancelot["name"]: lancelot["hp"],
     arthur["name"]: arthur["hp"],
     mordred["name"]: mordred["hp"],
-    red_knight["name"]: red_knight["hp"],
+    red_knight["name"]: red_knight["XXhpXX"],
 }
```