

# Test Case

Sol: [0, 0, 0, 0, 0]

weight = 0

---

Sol: [0, 0, 0, 0, 1]

weight = 1

new value: 3

---

Sol: [0, 0, 0, 1, 0]

weight = 3

new value: 12

---

Sol: [0, 0, 0, 1, 1]

weight = 4

new value: 15

---

Sol: [0, 0, 1, 0, 0]

weight = 7

new value: 35

---

Sol: [0, 0, 1, 0, 1]

weight = 8

new value: 38

---

Sol: [0, 1, 0, 0, 0]

weight = 5

---

Sol: [0, 1, 0, 0, 1]

weight = 6

---

Sol: [0, 1, 0, 1, 0]

weight = 8

new value: 42

---

Sol: [0, 1, 0, 1, 1]

weight = 9

new value: 45

---

Sol: [1, 0, 0, 0, 0]

weight = 2

---

Sol: [1, 0, 0, 0, 1]

weight = 3

---

Sol: [1, 0, 0, 1, 0]

weight = 5

---

Sol: [1, 0, 0, 1, 1]  
weight = 6

---

Sol: [1, 0, 1, 0, 0]  
weight = 9

**new value: 55**

---

Sol: [1, 1, 0, 0, 0]  
weight = 7

---

Sol: [1, 1, 0, 0, 1]  
weight = 8

---

**2**  
**0**  
**7**  
**0**  
**0**