S = [[4,3], [1,9], [9,2], [5,6]]

L = 5 // dung lượng

n = 4

K = đồ vật thứ i

S = Li

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| k  S | 0 | 1 | 2 | 3 | 4 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 9 | 9 | 9 |
| 2 | 0 | 0 | 9 | 9 | 9 |
| 3 | 0 | 0 | 9 | 9 | 9 |
| 4 | 0 | 3 | 9 | 9 | 9 |
| 5 | 0 | 3 | 12 | 12 | 12 |

­

W = 2

V = 3

S < Wk:

𝑉𝑎𝑙𝑢𝑒[𝑘 − 1, 𝑆]

S ≥ Wk

max{ ( 𝑉𝑎𝑙𝑢𝑒(𝑘 − 1, 𝑆) ) , ( 𝑣𝑘 + 𝑉𝑎𝑙𝑢𝑒(𝑘 − 1, 𝑆 – 𝑤𝑘) ) }