```
import numpy as np
w = int(input())
Ps = [int(p) for p in input().split()]
Ws = [int(w) for w in input().split()]
n = len(Ps)
Ps = np.array(Ps)
Ws = np.array(Ws)
T = np.zeros(w+1)
for i in range(w+1):
       if (Ws[j] <= i):
           T[i] = max(T[i], T[i - Ws[j]] + Ps[j])
```

```
p = int(input())
Ws = [int(w) for w in input().split()]
n = len(Ps)
    Rs.append(Ps[i] / Ws[i])
items = np.zeros(n)
        item p = T[i][1]
        if item_p + curr_p <= p:</pre>
            curr_p += item_p
            break
```

```
w = int(input())
Ps = [int(p) for p in input().split()]
Ws = [int(w) for w in input().split()]
n = len(Ps)
Ps.insert(0, 0)
Ws.insert(0, 0)
Ps = np.array(Ps)
Ws = np.array(Ws)
for i in range(n+1):
    for j in range(w+1):
        if i == 0 or w == 0:
            T[i, j] = max(Ps[i] + T[i-1, j-Ws[i]], T[i-1, j])
```

import numpy as np

```
T.append([i, Ps[i], Ws[i], Rs[i]])
```