

```
struct Item {benefit or b, weight or w, value
or v, identifier}
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```
Item S[]
cin >> S[i].benefit or cin >> S[i].b
cin >> S[i].weight or cin >> S[i].w
S[i].value = S[i].benefit/S[i].weight
Or
S[i].v = S[i].b/S[i].w
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cin >> W
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Sort S by value or v in descending order
w = 0
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Item results[]
int ammount_taken[]
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while w<W:
    item = S[0]
    remove S[0]
    x = min(item.weight, W-w)
    ammount_taken.add(x)
    w += x
    results.add(item)
```

Item Name	Benefit/b	Weight/w	Value/v
Khashi leg roast & Polaw	250 BDT	1 Pac	250 BDT/Pac
Chicken Biryani	960 BDT	8 Pac	120 BDT/Pac
Kacchi Biryani	360 BDT	2 Pac	180 BDT/Pac
Dim Khichuri	320 BDT	4 Pac	80 BDT/Pac
Beef Tehari	840 BDT	6 Pac	140 BDT/Pac

W = 10

w = 0

wi = 1, W-w = 10-0=10 → min(wi, W-w) = min(1,10) = 1, w = 0+1 = 1

wi = 2, W-w = 10-1=9 → min(wi, W-w) = min(2,9) = 2, w = 1+2 = 3

wi = 6, W-w = 10-3=7 → min(wi, W-w) = min(6,7) = 6, w = 3+6 = 9

wi = 8, W-w = 10-9=1 → min(wi, W-w) = min(8,1) = 1, w = 9+1 = 10