Item:	Item A	Item B	Item C	Item D
Value:	1	6	10	16
Weight:	1	2	3	5

Capacity: 7

Selected: none
Total Value: 0
Total Weight: 0

Select A

Skip A

Selected: A
Total Value: 1
Total Weight: 1

Selected: none
Total Value: 0
Total Weight: 0

Select B

Skip B

Select B

Skip B

Selected: A, B
Total Value: 7
Total Weight: 3

Selected: A
Total Value: 1
Total Weight: 1

Selected: B
Total Value: 6
Total Weight: 2

Selected: none
Total Value: 0
Total Weight: 0

Select C

Skip C

Select C

Skip C

Select C

Skip C

Select C

Skip C

Selected: A, B, C
Total Value: 17
Total Weight: 6

Selected: A, C
Total Value: 11
Total Weight: 4

Selected: A
Total Value: 1
Total Weight: 1

Selected: B, C
Total Value: 16
Total Weight: 5

Selected: B
Total Value: 6
Total Weight: 2

Selected: C
Total Value: 10
Total Weight: 3

Selected: none
Total Value: 0
Total Weight: 0

Select D

Skip D

Select D

Skip D

Select D

Skip D

Select D

Skip D

Select D

Skip D

Select D

Skip D

Select D

Skip D

Select D

Skip D

Selected: A, B, C, D
Total Value: 33
Total Weight: 11

Selected: A, B, C
Total Value: 17
Total Weight: 6

Selected: A, B, D
Total Value: 23
Total Weight: 8

Selected: A, B
Total Value: 7
Total Weight: 3

Selected: A, C, D
Total Value: 27
Total Weight: 9

Selected: A, C
Total Value: 11
Total Weight: 4

Selected: A, D
Total Value: 16
Total Weight: 6

Selected: A
Total Value: 1
Total Weight: 1

Selected: B, C, D
Total Value: 32
Total Weight: 10

Selected: B, C
Total Value: 16
Total Weight: 5

Selected: B, D
Total Value: 22
Total Weight: 7

Selected: B
Total Value: 6
Total Weight: 2

Selected: C, D
Total Value: 26
Total Weight: 8

Selected: C
Total Value: 10
Total Weight: 3

Selected: D
Total Value: 16
Total Weight: 5

Selected: none
Total Value: 0
Total Weight: 0