



http://en.	.wikipedia.org/wik	i/Knapsack_problem
Example: Kr	napsack capacity $W=$	16
Item	Weight	Value
1	2	\$20
2	5	\$30
3	10	\$50
4	5	\$10

7

Subset	Total weight	Total value
{1}	2	\$20
$\{2\}$	5	\$30
{3}	10	\$50
{4}	5	\$10
$\{1, 2\}$	7	\$50
$\{1,3\}$	12	\$70
$\{1, 4\}$	7	\$30
$\{2,3\}$	15	\$80
$\{2,4\}$	10	\$40
$\{3,4\}$	15	\$60
$\{1, 2, 3\}$	17	not feasible
$\{1, 2, 4\}$	12	\$60
$\{1, 3, 4\}$	17	not feasible
$\{2, 3, 4\}$	20	not feasible
$\{1, 2, 3, 4\}$	22	not feasible

8

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