Greedy Technique		N _{C3} × N ³
Archay, N, 3,	Som, TOTA	<u> </u>
# Fractional Knapsaek	Zw < W Zv is maximized	
P ₁ P ₂ P ₃ P ₄ value: 20 30 25 30	550	
weight: 10 20 10 15 volve/weight: 2 1.5 2.5 2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	= 25\$ +30\$ +4\$
27	59	= 59 \$
$\begin{pmatrix} 20 \\ 10 \end{pmatrix} \begin{pmatrix} 30 \\ 20 \end{pmatrix} \begin{pmatrix} 25 \\ 10 \end{pmatrix} \begin{pmatrix} 30 \\ 15 \end{pmatrix}$	* sort the arm	
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \end{array} \end{array} \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \end{array} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \end{array} \end{array} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \end{array} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \\ \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \\ \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \\ \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \\ \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \end{array} \begin{array}{c} \\ \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \\ \end{array} \begin{array}{c} \\ \end{array} \\ \end{array} \begin{array}{c} \\ \\ \end{array} \\ \end{array} \begin{array}{c} \\ \\ \end{array} \\ \end{array} \begin{array}{c} \\ \\ \end{array} \\ \\ \end{array} \\ \end{array} \begin{array}{c} \\ \\ \end{array} \\ \\ \end{array} \begin{array}{c} \\ \\ \\ \end{array} \\ \\ \end{array} \begin{array}{c} \\ \\ \\ \\ \end{array} \\ \\ \end{array} \\ \\ \end{array} \\ \\ \\ \end{array} \\ \\ \end{array} \\ \\ \\ \\ \end{array} \\$	cmp (a, b) $\begin{cases} v_1 = a \cdot finst \end{cases}$	c/a.second
⇒ $\frac{u_1}{a. second}$ \\ \frac{b. first}{b. second}\\	$u_2 = la.fim$ $if(u_1 > u_2)$ $y ruturen folse$	rutorn truej
a. second / b. second > ⇒ a. first > b. second >		

9)
$$N = 34$$

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$$N = 34$$

$$N = 34$$

$$N = 34 - 1^{2} = 33 \times 10 \times 10^{2} \times 10^{2}$$