

ProGen/max input format: RIP/max

$n$	$\rho$	0	0	$\bar{d}$				
0	1	$s_0$	$j_1^0$	...	$j_{s_0}^0$	$[\delta_{0,j_1^0}]$	...	$[\delta_{0,j_{s_0}^0}]$
1	1	$s_1$	$j_1^1$	...	$j_{s_1}^1$	$[\delta_{1,j_1^1}]$	...	$[\delta_{1,j_{s_1}^1}]$
...								
$n$	1	$s_n$	$j_1^n$	...	$j_{s_n}^n$	$[\delta_{n,j_1^n}]$	...	$[\delta_{n,j_{s_n}^n}]$
$n+1$	1	0						
0	1	0	0	...	0			
1	1	$p_1$	$r_{1,1}$	...	$r_{1,\rho}$			
...								
$n$	1	$p_n$	$r_{n,1}$	...	$r_{n,\rho}$			
$n+1$	1	0	0	...	0			
$c_1$	...	$c_\rho$						

Symbols

Symbol	Denotes
$n$	Number of real activities
$\rho$	Number of renewable resources
$\bar{d}$	Project deadline
$s_i$	Number of direct successors of node $i$ in project network
$j_s^i$	$s$ -th successor of node $i$ in project network
$\delta_{i,j_s^i}$	Weight of arc $(i, j_s^i)$
$p_i$	Duration of activity $i$
$r_{ik}$	Number of units of resource $k$ used for executing activity $i$
$c_k$	Unit procurement cost of resource $k$