امیرحسین کنانی

1. $t_{max} \times V = 2800$ $\frac{2800}{c} = 9 | c_x 100$

$\underline{100 , 200 , C_{00} , t_{00}} / \underline{500 , 900} / V_{00}$
$\quad\quad 1000 \qquad\qquad 1100$

$\qquad\qquad\qquad\qquad\qquad\qquad\qquad max = 1100$

2. $M[1.2] = 100 \not{0} \le \boxed{100}$ $M[3,2] = 100 , 200 / 300 \stackrel{?}{=} 300$

$M[2.2] = 100 / 200 \stackrel{?}{=} 200$ $M[4,2] = 100 , 200 , 300 / 400 = \boxed{400}$

$M[5.2] , 100 , 200 , 300 , 400 / 500 , 500 = \boxed{900}$

$M[4.2] = 100 , 200 , 300 , 400 , 500 / \begin{array}{c}400,500\\500,400\end{array} \stackrel{?}{=} \boxed{1000}$

$M[7.2] = 100 , 200 , C_{00} , 400 \not{500} / 400 , V_{00} = \boxed{1000}$

3.
$$M[n,k] = \min_{i=1}^{n} \left\{ max\left(M[i, k-1] , \sum_{j=i+1}^{n} S_j \right) \right\}$$

$i=1 \to max\left(M[1,2] , 1V_{00} \right) = 2V_{00}$

$i=2 \to max\left(M[2,2] , 2500 \right) = 2500$

$i=3 \to max\left(M[3,2] , 2300 \right) = 2300$

$i=5 \to max\left(M[7,2] , 400 \right) = 1000$

$i=4 \to max\left(M[4,2] , 1900 \right) = 1900$

$i=5 \to max\left(M[5,2] , 1400 \right) = 1400$

$i=4 \to max\left(M[7,2] , 800 \right) = \boxed{1100}$

$\underline{1100}$

$\longrightarrow$ جواب نهایی