

	Allocation	Max	Available	Need
	A B C D	A B C D	A B C D	A B C D
T ₀	3 1 4 1	6 4 7 3	2 2 2 4	3 3 3 2
T ₁	2 1 0 2	4 2 3 2		2 1 3 0
T ₂	2 4 1 3	2 5 3 3		0 1 2 0
T ₃	4 1 1 0	6 3 3 2		2 2 2 2
T ₄	2 2 2 1	5 6 9 5		3 4 5 4

a. Avail
 $\begin{array}{r} \text{A B C D} \\ \hline T_2 & 2 2 2 4 \\ + & 2 4 1 3 \\ \hline & 4 6 3 7 \\ T_0 & + 3 1 4 1 \\ \hline & 7 7 7 8 \\ T_1 & + 2 1 0 2 \\ \hline T_3 & + 4 1 1 0 \\ \hline T_4 & + 1 3 9 8 10 \\ \hline & 15 11 10 11 \end{array}$

b. T₄ Allocation: (4,4,4,5); Need: (1,2,3,0)

Avail
 $\begin{array}{r} \text{A B C D} \\ \hline & 0 0 0 0 \end{array}$ 不能给予 T₄, 会不安全

c. T₂ Allocation: (25,2,3); Need: (0,0,1,0)

Avail
 $\begin{array}{r} \text{A B C D} \\ \hline T_2 & 2 1 1 4 \\ + & 2 5 2 3 \\ \hline & 4 6 3 7 \end{array}$ 可以是安全的

d. T₃ Allocation: (6,3,2,2); Need: (0,0,1,0)

Avail
 $\begin{array}{r} \text{A B C D} \\ \hline T_3 & 0 0 1 2 \\ + & 6 3 2 2 \\ \hline & 6 3 3 4 \end{array}$ 可以是安全的

$\begin{array}{r} \text{A B C D} \\ \hline T_0 & 3 1 4 1 \\ + & 9 4 7 5 \\ \hline & 1 2 1 0 2 \\ T_1 & + 1 1 5 7 7 \\ \hline T_2 & + 2 4 1 3 \\ \hline T_4 & + 1 3 9 8 10 \\ \hline & 15 11 10 11 \end{array}$