31054031 葉詩富 數據所

).
$$\frac{1}{10} + \frac{1}{12} + \frac{1}{15} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} = 0.2 + 0.33 + 0.33 = 0.866$$

$$U(3) = 0.7199$$

$$0.866 > U(3)$$

$$\therefore \pi - \pi \eta \times \frac{1}{12} \times \frac{1}$$

2.

$$\vec{Q} : T_1 : R_0 = 2 \le 10 \text{ o.k.}$$
 $\vec{R}_0 : 2 + 2 = 9 \le 12 \text{ o.k.}$
 $\vec{R}_1 : 2 \times r + 7 + 2 \times r + 7 = 2 + 2 = 4 \le 12 \text{ o.k.}$
 $\vec{R}_1 : 2 \times r + 7 + 2 \times r + 7 = 2 + 2 = 4 \le 12 \text{ o.k.}$
 $\vec{R}_1 : 2 \times r + 7 + 2 \times r + 7 = 2 + 2 + 3 = 7 \le 15 \text{ o.k.}$
 $\vec{R}_1 : 2 \times r + 7 + 2 \times r + 7 = 2 + 2 + 3 = 7 \le 15 \text{ o.k.}$
 $\vec{R}_2 : 2 \times r + 7 + 2 \times r + 7 = 2 + 2 + 3 = 7 \le 15 \text{ o.k.}$
 $\vec{R}_3 : 2 \times r + 7 + 2 \times r + 7 = 2 + 2 + 3 = 7 \le 15 \text{ o.k.}$
 $\vec{R}_4 : 2 \times r + 7 + 2 \times r + 7 = 2 + 2 + 3 = 7 \le 15 \text{ o.k.}$
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 $\vec{R}_4 : 2 \times r + 7 + 2 \times r + 7 = 2 + 2 + 3 = 7 \le 15 \text{ o.k.}$

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Ans: 1. A critical instance of atask Ti occurs when its job Ji,c and a job from every higher-priority task are all released at the same time.

2. EDF forM-樣。

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NPCS	CPP.	
T1: 2	T, : 0	
T2:2	Tz . 1-5	
T3:2	T3: 2	
T4:0 #	Ty: 0 #	

OCP.	Direct 1	Anoniy-I-b		
7, 7	Ts 74	72 73 74	T_ T3 T4	7, : 0
Tz	1 -			7, 1,5
T	1.5			7
13	2	1-5	1.5	3:1
1		1		14:0.

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$$\frac{1+2}{b} = 0.5 \le U(1) = 1$$

$$\frac{2}{6} + \frac{1+1}{8} = 0.33 + 0.25 = 0.58 \le U(2) = 0.13$$

$$\frac{2}{6} + \frac{1}{8} + \frac{0.12}{20} = 0.33 + 0.125 + 0.1 = 0.555 \le U(3) = 0.78$$

$$\frac{2}{6} + \frac{1}{8} + \frac{0.12}{20} = 0.33 + 0.125 + 0.1 = 0.555 \le U(3) = 0.78$$

$$\frac{7}{1} \times \frac{1}{1} + \frac{1}{1} = 0.33 + 0.125 + 0.1 = 0.555 \le U(3) = 0.78$$

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和右圈情况

* — Cipiling, 科汉就 破除 circular naiting!

J. Till, 10) Th (1,10) 12(1,10) T) (1,10) T8 (1,10) T3 (1,10) 79 (1,10) T4(1,10) TH1,10) Tio (1,10)

用水排料 12 A utilization bound

0. | to. | = 1 > U110) = 0.71)

disprove: Ti (1,5) T2 (4,7) 這邊假設:

Tz 在時間點O到 Ti 在時間點 3到

如果用RM排程,在時間是3時、 图為Ti prioriy較高,所以會precaption To 幼以 preemption = 2 数 1=2 但如果用目所排程,在時間長3時。

国為 T. deadline = 8, Tz deadline = 7 所以能放你了

所以preemptim次数了文 所以在国定時投內,不定EDF主起Meenplan > kw