

T	H	A	N	A	P	A	T
20	8	1	14	1	16	1	20
2+0	8	1	1+4	1	1+6	1	2+0
2	8	1	5	1	7	1	2
$s_1$	$s_2$	$s_3$	$s_4$	$s_5$	$s_6$	$s_7$	$s_8$

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①

① First-Fit ( $L=10$ )

Bin 1	Bin 2	Bin 3
$s_2$	$s_8$	$s_6$
$s_1$	$s_7$	
	$s_3$	
	$s_4$	
	$s_5$	

$$s_1 = 2 \quad \text{bin}[1] = 1$$

$$s_5 = 1 \quad \text{bin}[5] = 2$$

$$s_2 = 8 \quad \text{bin}[2] = 1$$

$$s_6 = 7 \quad \text{bin}[6] = 3$$

$$s_3 = 1 \quad \text{bin}[3] = 2$$

$$s_7 = 1 \quad \text{bin}[7] = 2$$

$$s_4 = 9 \quad \text{bin}[4] = 2$$

$$s_8 = 2 \quad \text{bin}[8] = 2$$

② Best-Fit ( $L=10$ )

Bin 1	Bin 2	Bin 3
$s_2$	$s_8$	$s_6$
$s_1$	$s_7$	
	$s_3$	
	$s_4$	
	$s_5$	

$$s_1 = 2 \quad \text{bin}[1] = 1$$

$$s_5 = 1 \quad \text{bin}[5] = 2$$

$$s_2 = 8 \quad \text{bin}[2] = 1$$

$$s_6 = 7 \quad \text{bin}[6] = 3$$

$$s_3 = 1 \quad \text{bin}[3] = 2$$

$$s_7 = 1 \quad \text{bin}[7] = 2$$

$$s_4 = 9 \quad \text{bin}[4] = 2$$

$$s_8 = 2 \quad \text{bin}[8] = 2$$

3) FFD & BFD เรียงหาไปพร้อม

$$S = \{ \overset{s_2}{8}, \overset{s_6}{7}, \overset{s_4}{5}, \overset{s_1}{2}, \overset{s_5}{2}, \overset{s_3}{1}, \overset{s_8}{1}, \overset{s_7}{1} \}$$

Bin 1	Bin 2	Bin 3
$s_1$	$s_3$	$s_7$
$s_2$	$s_4$	$s_5$
	$s_6$	$s_8$

$$s_1 = 2 \quad \text{bin}[1] = 1$$

$$s_5 = 1 \quad \text{bin}[5] = 3$$

$$s_2 = 8 \quad \text{bin}[2] = 1$$

$$s_6 = 7 \quad \text{bin}[6] = 2$$

$$s_3 = 1 \quad \text{bin}[3] = 2$$

$$s_7 = 1 \quad \text{bin}[7] = 3$$

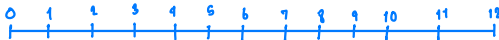
$$s_4 = 5 \quad \text{bin}[4] = 3$$

$$s_8 = 2 \quad \text{bin}[8] = 2$$

2) Job Scheduling

$$m = 4, n = 8 \quad \{ 2, 8, 1, 5, 1, 7, 1, 2 \}$$

$$\begin{array}{cccccccc} \text{เรียง} & t_1 & t_2 & t_3 & t_4 & t_5 & t_6 & t_7 & t_8 \\ & 8 & 7 & 5 & 2 & 2 & 1 & 1 & 1 \end{array}$$



$$p_1 \quad [t_1 = 8]$$

$$p_2 \quad [t_2 = 7]$$

$$p_3 \quad [t_3 = 5] \quad [t_8 = 1]$$

$$p_4 \quad [t_4 = 2] \quad [t_6 = 2] \quad [t_5 = 1] \quad [t_7 = 1]$$