

BIN PACKING

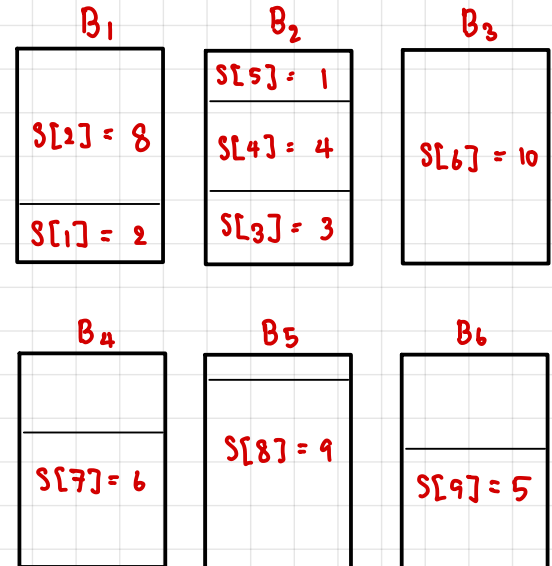
 q_u^2 $L = 10$

T	H	U	M	A	S	O	R	N
20	8	21	13	1	19	15	18	14
2+0	8	2+1	1+3	1	1+9	1+5	1+8	1+4
2	8	3	4	1	10	6	9	5
S_1	S_2	S_3	S_4	S_5	S_6	S_7	S_8	S_9

First-fit

Solⁿ $i =$

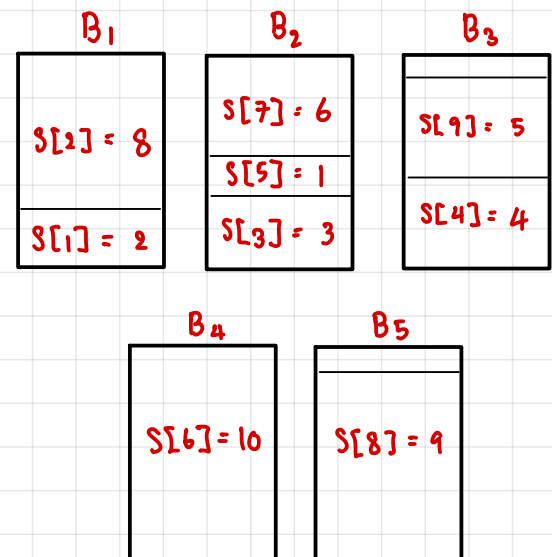
1	$s[1] = 2$	$bin[1] = 1$
2	$s[2] = 8$	$bin[2] = 1$
3	$s[3] = 3$	$bin[3] = 2$
4	$s[4] = 4$	$bin[4] = 2$
5	$s[5] = 1$	$bin[5] = 2$
6	$s[6] = 10$	$bin[6] = 3$
7	$s[7] = 6$	$bin[7] = 4$
8	$s[8] = 9$	$bin[8] = 5$
9	$s[9] = 5$	$bin[9] = 6$



Best-fit

Solⁿ $i =$

1	$s[1] = 2$	$bin[1] = 1$
2	$s[2] = 8$	$bin[2] = 1$
3	$s[3] = 3$	$bin[3] = 2$
4	$s[4] = 4$	$bin[4] = 3$
5	$s[5] = 1$	$bin[5] = 2$
6	$s[6] = 10$	$bin[6] = 4$
7	$s[7] = 6$	$bin[7] = 2$
8	$s[8] = 9$	$bin[8] = 5$
9	$s[9] = 5$	$bin[9] = 3$



FFD (First-fit decreasing)

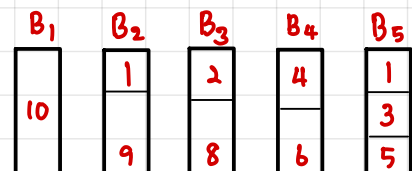
Solⁿ q_u^2 เรียง

$S = (2, 8, 3, 4, 1, 10, 6, 9, 5)$

$S = (10, 9, 8, 6, 5, 4, 3, 2, 1)$

1 2 3 4 5 6 7 8 9

มากไปน้อย



Job Scheduling

 q_n^2 $m = 4$ HA: $n = 9$

T	H	U	M	A	S	O	R	N
20	8	21	13	1	19	15	18	14
2+0	8	2+1	1+3	1	1+9	1+5	1+8	1+4
2	8	3	4	1	10	6	9	5
T_1	T_2	T_3	T_4	T_5	T_6	T_7	T_8	T_9

Solⁿเรียงเวลา $t_i = (10, 9, 8, 6, 5, 4, 3, 2, 1)$ มากไปน้อย