

# Assignment

2.1

2	4	8	3	0
16	4	17	3	0
13	24	8	11	0
2	29	7	9	0
22	12	13	16	0
22	16	25	12	0



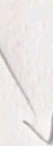
14	<u>10</u>	9	<del>8</del>	<del>7</del>
11	10	<u>10</u>	8	<del>7</del>
<u>10</u>	15	11-8	6	<del>5</del>
19 14	8	5	15	<u>10</u>
20 15	12	17	9	<del>4</del>



14	<u>10</u>	9	<del>8</del>	5
11	10	<u>10</u>	8	5
<u>10</u>	15	11-8	6	5
14	3	<del>8</del>	8	<u>10</u>
15	7	12	4	<del>3</del>

L3 will not be hired.

optimal



14	<del>8</del>	12	<u>10</u>	8
8	7	<u>10</u>	5	5
<u>10</u>	15	11-5	6	8
11	<u>10</u>	<del>8</del>	5	<del>4</del>
12	4	12	1	<u>10</u>



$$N=1$$

4	<u>0</u>	3	1	1
5	7	1	<u>0</u>	<del>x</del>
<u>10</u>	<del>x</del>	<del>x</del>	6	2
3	10	<u>0</u>	4	<del>x</del>
<del>x</del>	5	1	<del>x</del>	<u>10</u>



2.2

13	1	8	7	10	1
12	6	4	4	2	4
18	10	14	21	20	10
14	13	2	12	11	2
0	0	0	0	0	

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12	<u>0</u>	7	6	9	$n=3$
8	2	<del>8</del>	<u>0</u>	3	
8	<del>8</del>	4	11	10	
7	6	<u>0</u>	5	4	
<u>0</u>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	

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9	<u>0</u>	7	6	6	$n=4$
5	2	<del>8</del>	<u>0</u>	<del>8</del>	
5	<del>8</del>	4	11	7	
4	6	<u>0</u>	5	1	
<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<u>0</u>	

5	<u>0</u>	3	2	2	
5	6	<del>8</del>	<u>0</u>	<del>8</del>	
1	<del>8</del>	<u>0</u>	7	3	
4	10	<del>8</del>	5	1	
<del>8</del>	4	<del>8</del>	<del>8</del>	<u>0</u>	



2.3.2

11	4	11	12	12	4
7	3	12	5	14	3
3	1	9	3	10	1
6	9	14	12	15	6
13	9	4	13	7	4

7	0	7	8	13
4	0	9	2	11
2	0	8	2	9
0	3	8	6	9
9	5	0	9	3
			2	3

=>

7	10	7	6	10
4	<del>0</del>	9	10	8
2	<del>0</del>	8	<del>0</del>	6
0	3	8	4	6
9	5	10	7	<del>0</del>

$K=2$

5	10	5	6	8
2	<del>0</del>	7	<del>0</del>	6
<del>0</del>	<del>0</del>	6	10	4
0	5	8	6	6
9	2	<del>0</del>	9	10

$K=4$

optimal solution

5	10	1	6	4
2	<del>0</del>	3	10	2
<del>0</del>	<del>0</del>	2	<del>0</del>	10
10	5	4	6	2
13	11	10	13	<del>0</del>



10	6	11	10	6
18	10	10	16	10
2	9	11	4	2
11	15	5	15	5

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4	10	5	2
8	<del>X</del>	10	9
10	7	9	<del>X</del>
6	10	<del>X</del>	7

$n=4$

<del>X</del>	<del>X</del>	5	10
4	10	<del>X</del>	2
10	11	13	0
2	10	10	6