

$$r = 0:$$

	1	2	3
1	0	<del>1</del> -1	<del>4</del>
2	<del>4</del>	0	<del>1</del> -2
3	<del>1</del> 3	<del>4</del>	0

$$r = 1:$$

	1	2	3
1	0	<del>1</del> -1	<del>4</del>
2	<del>4</del>	0	<del>1</del> -2
3	<del>1</del> 3	<del>4</del> 2	0

*Solution:*

$$r = 2:$$

	1	2	3
1	0	<del>1</del> -1	<del>1</del> -3
2	<del>4</del>	0	<del>1</del> -2
3	<del>1</del> 3	<del>4</del> 2	0

$$r = 3:$$

	1	2	3
1	0	<del>1</del> -1	<del>1</del> -3
2	<del>4</del>	0	<del>1</del> -2
3	<del>1</del> 3	<del>4</del> 2	0