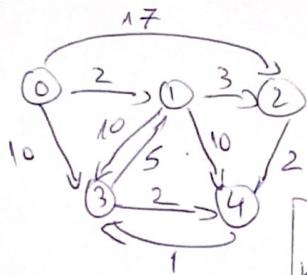


Lowest cost walk using dp.



$S = 3$ $t = 0$ $e = 10$ (edges) $v = 5$ (vertices)

1	K	i	j	prev	d																																																																								
init				$[-1, -1, -1, -1, -1]$	<table> <tr> <th></th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> </tr> <tr> <th>0</th> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> </tr> <tr> <th>1</th> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> </tr> <tr> <th>2</th> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> </tr> <tr> <th>3</th> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> </tr> <tr> <th>4</th> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> </tr> </table>		0	1	2	3	4	5	6	7	8	9	10	0	~	~	~	~	~	~	~	~	~	~	~	1	~	~	~	~	~	~	~	~	~	~	~	2	~	~	~	~	~	~	~	~	~	~	~	3	~	~	~	~	~	~	~	~	~	~	~	4	~	~	~	~	~	~	~	~	~	~	~
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3	~	~	~	~	~	~	~	~	~	~	~																																																																		
4	~	~	~	~	~	~	~	~	~	~	~																																																																		
iteration 1	1	0 1 2 3 4	0 3 0 1 0 1 4 1 3	$[-1, 0, -1, -1, -1]$ $[-1, 0, -1, -1, 3]$	$d[3][0] = 0 + 5 = 5$ $d[4][1] = 0 + 2 = 2$																																																																								

	K	i	j	prev	f
iteration 2	2	0			
		1	0		
			3	$[-1, 3, -1, -1, -1]$	$\delta[1][2] = 0 + 5 = 5$
		2	0		
			1		$\delta[3][2] = 0$
		3	0		
iteration 3	3		1	$[-1, 3, -1, 4, -1]$	$\delta[3][2] = 2 + 1 = 3$
		4	1		$\delta[4][2] = 2$
			2	$[-1, 3, -1, 4, 3]$	$\delta[4][2] = 0 + 2 = 2$
			3		
		0			
		1	0	$[-1, 3, -1, 4, 3]$	$\delta[1][3] = 2$
iteration 4	4		3	$[-1, 3, 1, 4, 3]$	$\delta[2][3] = 5 + 3 = 8$
		2	0		$\delta[3][3] = 0$
			1		$\delta[3][3] = 0$
		3	0		$\delta[4][3] = 2$
			1		$\delta[4][3] = 2$
		4	1	$[-1, 3, 1, 3, 5]$	
iteration 5	5		2		
			3		
		0			
		1	0		
iteration 6	6		3		
		2	0		$\delta[2][4] = 8$
			1		
		3	0	$\delta[4, 5] = 3$	
iteration 7	7		4		
		0			
		1	0		
		2	0		
iteration 8	8		5		
		0			
		1	0		
		2	0		
iteration 9	9		6		
		0			
		1	0		
		2	0		
iteration 10	10		7		
		0			
		1	0		
		2	0		
iteration 11	11		8		
		0			
		1	0		
		2	0		
iteration 12	12		9		
		0			
		1	0		
		2	0		
iteration 13	13		10		
		0			
		1	0		
		2	0		
iteration 14	14		11		
		0			
		1	0		
		2	0		
iteration 15	15		12		
		0			
		1	0		
		2	0		
iteration 16	16		13		
		0			
		1	0		
		2	0		
iteration 17	17		14		
		0			
		1	0		
		2	0		
iteration 18	18		15		
		0			
		1	0		
		2	0		
iteration 19	19		16		
		0			
		1	0		
		2	0		
iteration 20	20		17		
		0			
		1	0		
		2	0		
iteration 21	21		18		
		0			
		1	0		
		2	0		
iteration 22	22		19		
		0			
		1	0		
		2	0		
iteration 23	23		20		
		0			
		1	0		
		2	0		
iteration 24	24		21		
		0			
		1	0		
		2	0		
iteration 25	25		22		
		0			
		1	0		
		2	0		
iteration 26	26		23		
		0			
		1	0		
		2	0		
iteration 27	27		24		
		0			
		1	0		
		2	0		
iteration 28	28		25		
		0			
		1	0		
		2	0		
iteration 29	29		26		
		0			
		1	0		
		2	0		
iteration 30	30		27		
		0			
		1	0		
		2	0		
iteration 31	31		28		
		0			
		1	0		
		2	0		
iteration 32	32		29		
		0			
		1	0		
		2	0		
iteration 33	33		30		
		0			
		1	0		
		2	0		
iteration 34	34		31		
		0			
		1	0		
		2	0		
iteration 35	35		32		
		0			
		1	0		
		2	0		
iteration 36	36		33		
		0			
		1	0		
		2	0		
iteration 37	37		34		
		0			
		1	0		
		2	0		
iteration 38	38		35		
		0			
		1	0		
		2	0		
iteration 39	39		36		
		0			
		1	0		
		2	0		
iteration 40	40		37		
		0			
		1	0		
		2	0		
iteration 41	41		38		
		0			
		1	0		
		2	0		
iteration 42	42		39		
		0			
		1	0		
		2	0		
iteration 43	43		40		
		0			
		1	0		
		2	0		
iteration 44	44		41		
		0			
		1	0		
		2	0		
iteration 45	45		42		
		0			
		1	0		
		2	0		
iteration 46	46		43		
		0			
		1	0		
		2	0		
iteration 47	47		44		
		0			
		1	0		
		2	0		
iteration 48	48		45		
		0			
		1	0		
		2	0		
iteration 49	49		46		
		0			
		1	0		
		2	0		
iteration 50	50		47		
		0			
		1	0		
		2	0		
iteration 51	51		48		
		0			
		1	0		
		2	0		
iteration 52	52		49		
		0			
		1	0		
		2	0		
iteration 53	53		50		
		0			
		1	0		
		2	0		
iteration 54	54		51		
		0			
		1	0		
		2	0		
iteration 55	55		52		
		0			
		1	0		
		2	0		
iteration 56	56		53		
		0			
		1	0		
		2	0		
iteration 57	57		54		
		0			
		1	0		
		2	0		
iteration 58	58		55		
		0			
		1	0		
		2	0		
iteration 59	59		56		
		0			
		1	0		
		2	0		
iteration 60	60		57		
		0			
		1	0		
		2	0		
iteration 61	61		58		
		0			
		1	0		
		2	0		
iteration 62	62		59		
		0			
		1	0		
		2	0		
iteration 63	63		60		
		0			
		1	0		
		2	0		
iteration 64	64		61		
		0			
		1	0		
		2	0		
iteration 65	65		62		
		0			
		1	0		
		2	0		

k	i	j	prev	d
4	4	1		$d[4][4] = 2$
		2	$[-1, 3, 1, 4, 2]$	$d[2][4] = 8 + 2 > 10$
		3	$[-1, 3, 1, 4, 3]$	$d[4][4] = 2$

$d[0][4] = \infty$ \Rightarrow There is no path