



A 6x6 grid puzzle. The grid is divided into four 3x3 quadrants by a vertical line between columns 3 and 4, and a horizontal line between rows 3 and 4. The numbers in the grid are as follows:

	5		7	2	
2	1		6	5	4
6			2	9	3
		5		4	1
		7			3
			4		8
	9				2
4		1			
			8	7	
					6

There are four paths indicated by grey lines connecting diamond-shaped nodes:

- Path 1:** Starts at (1,3), goes right to (2,3), then down to (2,4), then right to (3,4), then down to (3,5), then right to (4,5), then down to (4,6), then right to (5,6), then down to (5,7), then right to (6,7), then down to (6,8), then right to (7,8), then down to (7,9), then right to (8,9), then down to (8,10), then right to (9,10), then down to (9,11), then right to (10,11), then down to (10,12), then right to (11,12), then down to (11,13), then right to (12,13), then down to (12,14), then right to (13,14), then down to (13,15), then right to (14,15), then down to (14,16), then right to (15,16), then down to (15,17), then right to (16,17), then down to (16,18), then right to (17,18), then down to (17,19), then right to (18,19), then down to (18,20), then right to (19,20), then down to (19,21), then right to (20,21), then down to (20,22), then right to (21,22), then down to (21,23), then right to (22,23), then down to (22,24), then right to (23,24), then down to (23,25), then right to (24,25), then down to (24,26), then right to (25,26), then down to (25,27), then right to (26,27), then down to (26,28), then right to (27,28), then down to (27,29), then right to (28,29), then down to (28,30), then right to (29,30), then down to (29,31), then right to (30,31), then down to (30,32), then right to (31,32), then down to (31,33), then right to (32,33), then down to (32,34), then right to (33,34), then down to (33,35), then right to (34,35), then down to (34,36), then right to (35,36), then down to (35,37), then right to (36,37), then down to (36,38), then right to (37,38), then down to (37,39), then right to (38,39), then down to (38,40), then right to (39,40), then down to (39,41), then right to (40,41), then down to (40,42), then right to (41,42), then down to (41,43), then right to (42,43), then down to (42,44), then right to (43,44), then down to (43,45), then right to (44,45), then down to (44,46), then right to (45,46), then down to (45,47), then right to (46,47), then down to (46,48), then right to (47,48), then down to (47,49), then right to (48,49), then down to (48,50), then right to (49,50), then down to (49,51), then right to (50,51), then down to (50,52), then right to (51,52), then down to (51,53), then right to (52,53), then down to (52,54), then right to (53,54), then down to (53,55), then right to (54,55), then down to (54,56), then right to (55,56), then down to (55,57), then right to (56,57), then down to (56,58), then right to (57,58), then down to (57,59), then right to (58,59), then down to (58,60), then right to (59,60), then down to (59,61), then right to (60,61), then down to (60,62), then right to (61,62), then down to (61,63), then right to (62,63), then down to (62,64), then right to (63,64), then down to (63,65), then right to (64,65), then down to (64,66), then right to (65,66), then down to (65,67), then right to (66,67), then down to (66,68), then right to (67,68), then down to (67,69), then right to (68,69), then down to (68,70), then right to (69,70), then down to (69,71), then right to (70,71), then down to (70,72), then right to (71,72), then down to (71,73), then right to (72,73), then down to (72,74), then right to (73,74), then down to (73,75), then right to (74,75), then down to (74,76), then right to (75,76), then down to (75,77), then right to (76,77), then down to (76,78), then right to (77,78), then down to (77,79), then right to (78,79), then down to (78,80), then right to (79,80), then down to (79,81), then right to (80,81), then down to (80,82), then right to (81,82), then down to (81,83), then right to (82,83), then down to (82,84), then right to (83,84), then down to (83,85), then right to (84,85), then down to (84,86), then right to (85,86), then down to (85,87), then right to (86,87), then down to (86,88), then right to (87,88), then down to (87,89), then right to (88,89), then down to (88,90), then right to (89,90), then down to (89,91), then right to (90,91), then down to (90,92), then right to (91,92), then down to (91,93), then right to (92,93), then down to (92,94), then right to (93,94), then down to (93,95), then right to (94,95), then down to (94,96), then right to (95,96), then down to (95,97), then right to (96,97), then down to (96,98), then right to (97,98), then down to (97,99), then right to (98,99), then down to (98,100), then right to (99,100), then down to (99,101), then right to (100,101), then down to (100,102), then right to (101,102), then down to (101,103), then right to (102,103), then down to (102,104), then right to (103,104), then down to (103,105), then right to (104,105), then down to (104,106), then right to (105,106), then down to (105,107), then right to (106,107), then down to (106,108), then right to (107,108), then down to (107,109), then right to (108,109), then down to (108,110), then right to (109,110), then down to (109,111), then right to (110,111), then down to (110,112), then right to (111,112), then down to (111,113), then right to (112,113), then down to (112,114), then right to (113,114), then down to (113,115), then right to (114,115), then down to (114,116), then right to (115,116), then down to (115,117), then right to (116,117), then down to (116,118), then right to (117,118), then down to (117,119), then right to (118,119), then down to (118,120), then right to (119,120), then down to (119,121), then right to (120,121), then down to (120,122), then right to (121,122), then down to (121,123), then right to (122,123), then down to (122,124), then right to (123,124), then down to (123,125), then right to (124,125), then down to (124,126), then right to (125,126), then down to (125,127), then right to (126,127), then down to (126,128), then right to (127,128), then down to (127,129), then right to (128,129), then down to (128,130), then right to (129,130), then down to (129,131), then right to (130,131), then down to (130,132), then right to (131,132), then down to (131,133), then right to (132,133), then down to (132,134), then right to (133,134), then down to (133,135), then right to (134,135), then down to (134,136), then right to (135,136), then down to (135,137), then right to (136,137), then down to (136,138), then right to (137,138), then down to (137,139), then right to (138,139), then down to (138,140), then right to (139,140), then down to (139,141), then right to (140,141), then down to (140,142), then right to (141,142), then down to (141,143), then right to (142,143), then down to (142,144), then right to (143,144), then down to (143,145), then right to (144,145), then down to (144,146), then right to (145,146), then down to (145,147), then right to (146,147), then down to (146,148), then right to (147,148), then down to (147,149), then right to (148,149), then down to (148,150), then right to (149,150), then down to (149,151), then right to (150,151), then down to (150,152), then right to (151,152), then down to (151,153), then right to (152,153), then down to (152,154), then right to (153,154), then down to (153,155), then right to (154,155), then down to (154,156), then right to (155,156), then down to (155,157), then right to (156,157), then down to (156,158), then right to (157,158), then down to (157,159), then right to (158,159), then down to (158,160), then right to (159,160), then down to (159,161), then right to (160,161), then down to (160,162), then right to (161,162), then down to (161,163), then right to (162,163), then down to (162,164), then right to (163,164), then down to (163,165), then right to (164,165), then down to (164,166), then right to (165,166), then down to (165,167), then right to (166,167), then down to (166,168), then right to (167,16