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>>> print shortestpath(graph,'1','7')

(2599, ['1', '114', '129', '85', '53', '7'])

>>> print shortestpath(graph,'1','37')

(2610, ['1', '145', '108', '126', '155', '37'])

>>> print shortestpath(graph,'1','59')

(2947, ['1', '92', '194', '162', '59'])

>>> print shortestpath(graph,'1','82')

(2052, ['1', '92', '134', '135', '82'])

>>> print shortestpath(graph,'1','99')

(2367, ['1', '99'])

>>> print shortestpath(graph,'1','115')

(2399, ['1', '80', '115'])

>>> print shortestpath(graph,'1','133')

(2029, ['1', '114', '129', '85', '133'])

>>> print shortestpath(graph,'1','165')

(2442, ['1', '80', '19', '187', '165'])

>>> print shortestpath(graph,'1','188')

(2505, ['1', '92', '70', '9', '72', '157', '26', '95', '196', '188'])

>>> print shortestpath(graph,'1','197')

(3068, ['1', '114', '103', '110', '197'])

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