Example:

>>> result1 = read_ponies("file_sample1.txt")

>>> result2 = read_ponies("file_sample2.txt")

>>> result1

([[0, 32, 45], [2, 5, 19], [7, 6, 25]], [(0, 0), (0, 1), (1, 1), (1, 2), (2, 2)], [(0, 'a', [30, (0, 0)]), (1, 's', [15, (0, 0)]), (2, 's', [20, (0, 0)])])

>>> result2

([[0, 32, 45], [2, 5, 19], [7, 6, 25]], [(0, 0), (0, 1), (1, 1), (1, 2), (2, 2)], [(0, 'a', [30, (0, 0)]), (1, 's', [15, (0, 0)]), (2, 's', [20, (0, 0)])])

2

Example:

>>> result1 = selfish_climb([[0, 32, 45], [2, 5, 19], [7, 6, 25]], [(0, 0), (1, 0), (2, 0), (2, 1), (2, 2)], [(0, 's', [7, (0, 0)]), (1, 's', [2, (0, 0)]), (2, 's', [25, (0, 0)])])

>>> result1

{0: [(0, 's', [7, (0, 0)]), (1, 's', [2, (0, 0)]), (2, 's', [25, (0, 0)])], 1: [(0, 's', [5, (1, 0)]), (1, 's', [2, (0, 0)]), (2, 's', [25, (0, 0)])], 2: [(0, 's', [0, (2, 0)]), (1, 's', [0, (1, 0)]), (2, 's', [25, (0, 0)])], 3: [(0, 's', [1, (2, 1)]), (1, 's', [0, (1, 0)]), (2, 's', [23, (1, 0)])], 4: [(0, 's', [1, (2, 1)]), (1, 's', [0, (1, 0)]), (2, 's', [18, (2, 0)])], 5: [(0, 's', [1, (2, 1)]), (1, 's', [0, (1, 0)]), (2, 's', [19, (2, 1)])], 6: [(0, 's', [1, (2, 1)]), (1, 's', [0, (1, 0)]), (2, 's', [0, (2, 2)])]}

>>> result2 = selfish_climb([[0, 10, 20], [0, 0, 20], [0, 0, 0]], [(0, 0), (0, 1), (0, 2), (1, 2), (1, 3)], [(0, 's', [0, (0, 0)]), (1, 's', [0, (0, 0)])])

>>> result2

{0: [(0, 's', [0, (0, 0)]), (1, 's', [0, (0, 0)])], 1: [(0, 's', [0, (0, 0)]), (1, 's', [0, (0, 0)])], 2: [(0, 's', [0, (0, 0)]), (1, 's', [0, (0, 0)])]}

>>> result3 = selfish_climb([[0, 0], [0, 0]], [(0, 0), (1, 0), (1, 1)], [(0, 's', [0, (0, 0)])])

>>> result3

{0: [(0, 's', [0, (0, 0)])], 1: [(0, 's', [0, (1, 0)])], 2: [(0, 's', [0, (1, 1)])]}

>>> result4 = selfish_climb([[100, 90, 80, 0], [30, 20, 40, 100], [31, 45, 0, 400]], [(0, 0), (0, 1), (0, 2), (1, 2), (1, 3), (2, 3)], [(0, 's', [0, (0, 0)]), (1, 's', [10, (0, 0)])])

>>> result4

{0: [(0, 's', [0, (0, 0)]), (1, 's', [10, (0, 0)])], 1: [(0, 's', [10, (0, 1)]), (1, 's', [10, (0, 0)])], 2: [(0, 's', [20, (0, 2)]), (1, 's', [20, (0, 1)])], 3: [(0, 's', [60, (1, 2)]), (1, 's', [30, (0, 2)])], 4: [(0, 's', [0, (1, 3)]), (1, 's', [70, (1, 2)])], 5: [(0, 's', [0, (1, 3)]), (1, 's', [10, (1, 3)])]}

Example:

>>> result1 = teamwork_climb([[0, 2, 5], [0, 0, 10]], [(0, 0), (0, 1), (0, 2), (1, 2)], [(0, 's', [2, (0, 0)]), (1, 's', [6, (0, 0)]), (2, 'a', [14, (0, 0)])])

>>> result1

{0: [(0, 's', [2, (0, 0)]), (1, 's', [6, (0, 0)]), (2, 'a', [14, (0, 0)])], 1: [(0, 's', [0, (0, 1)]), (1, 's', [6, (0, 0)]), (2, 'a', [14, (0, 0)])], 2: [(0, 's', [0, (0, 1)]), (1, 's', [4, (0, 1)]), (2, 'a', [14, (0, 0)])], 3: [(0, 's', [0, (0, 1)]), (1, 's', [1, (0, 2)]), (2, 'a', [12, (0, 1)])], 4: [(0, 's', [3, (0, 1)]), (1, 's', [1, (0, 2)]), (2, 'a', [6, (0, 2)])], 5: [(0, 's', [5, (0, 2)]), (1, 's', [1, (0, 2)]), (2, 'a', [1, (0, 2)])], 6: [(0, 's', [0, (1, 2)]), (1, 's', [1, (0, 2)]), (2, 'a', [1, (0, 2)])]}

>>> result2 = teamwork_climb([[0, 0], [10, 0]], [(0, 0), (1, 0), (1, 1)], [(0, 's', [0, (0, 0)]), (1, 'a', [10, (0, 0)])])

>>> result2

{0: [(0, 's', [0, (0, 0)]), (1, 'a', [10, (0, 0)])], 1: [(0, 's', [0, (0, 0)]), (1, 'a', [10, (0, 0)])], 2: [(0, 's', [10, (0, 0)]), (1, 'a', [0, (0, 0)])], 3: [(0, 's', [0, (1, 0)]), (1, 'a', [0, (0, 0)])], 4: [(0, 's', [10, (1, 1)]), (1, 'a', [0, (0, 0)])]}

>>> result3 = teamwork_climb([[0], [15]], [(0, 0), (1, 0)], [(0, 's', [0, (0, 0)]), (1, 'a', [10, (0, 0)])])

>>> result3

{0: [(0, 's', [0, (0, 0)]), (1, 'a', [10, (0, 0)])], 1: [(0, 's', [0, (0, 0)]), (1, 'a', [10, (0, 0)])], 2: [(0, 's', [0, (0, 0)]), (1, 'a', [10, (0, 0)])]}

>>> result4 = teamwork_climb([[0, 0], [10, 20]], [(0, 0), (1, 0), (1, 1)], [(0, 's', [10, (0, 0)]), (1, 'a', [30, (0, 0)])])

>>> result4

{0: [(0, 's', [10, (0, 0)]), (1, 'a', [30, (0, 0)])], 1: [(0, 's', [0, (1, 0)]), (1, 'a', [30, (0, 0)])], 2: [(0, 's', [0, (1, 0)]), (1, 'a', [20, (1, 0)])], 3: [(0, 's', [10, (1, 0)]), (1, 'a', [0, (1, 1)])], 4: [(0, 's', [0, (1, 1)]), (1, 'a', [0, (1, 1)])]}