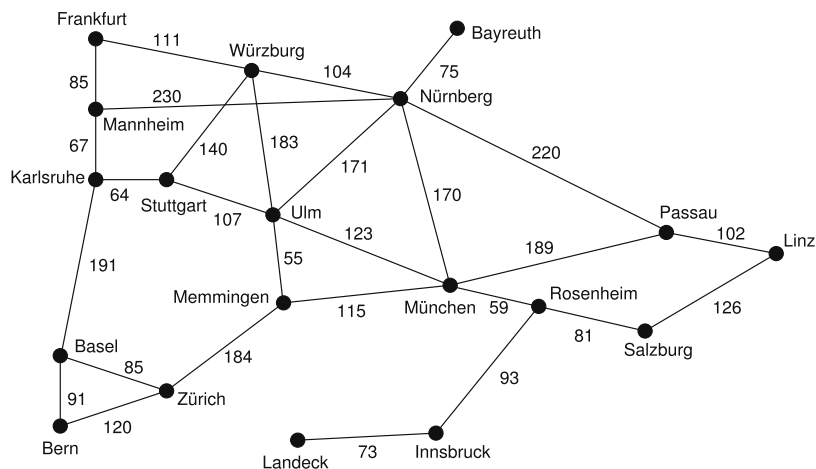# HOMEWORK 3

Given German map, for each of the following *graph search strategies*, find the path from Linz to Ulm and list the order in which cities are expanded, as well as the path returned by graph search. (Note that use alphabet order for successors)

flying distances from all cities to Ulm

Basel	204
Bayreuth	207
Bern	247
Frankfurt	215
Innsbruck	163
Karlsruhe	137
Landeck	143
Linz	318
München	120
Mannheim	164
Memmingen	47
Nürnberg	132
Passau	257
Rosenheim	168
Stuttgart	75
Salzburg	236
Würzburg	153
Zürich	157

1. Greedy best-first search

2. A*