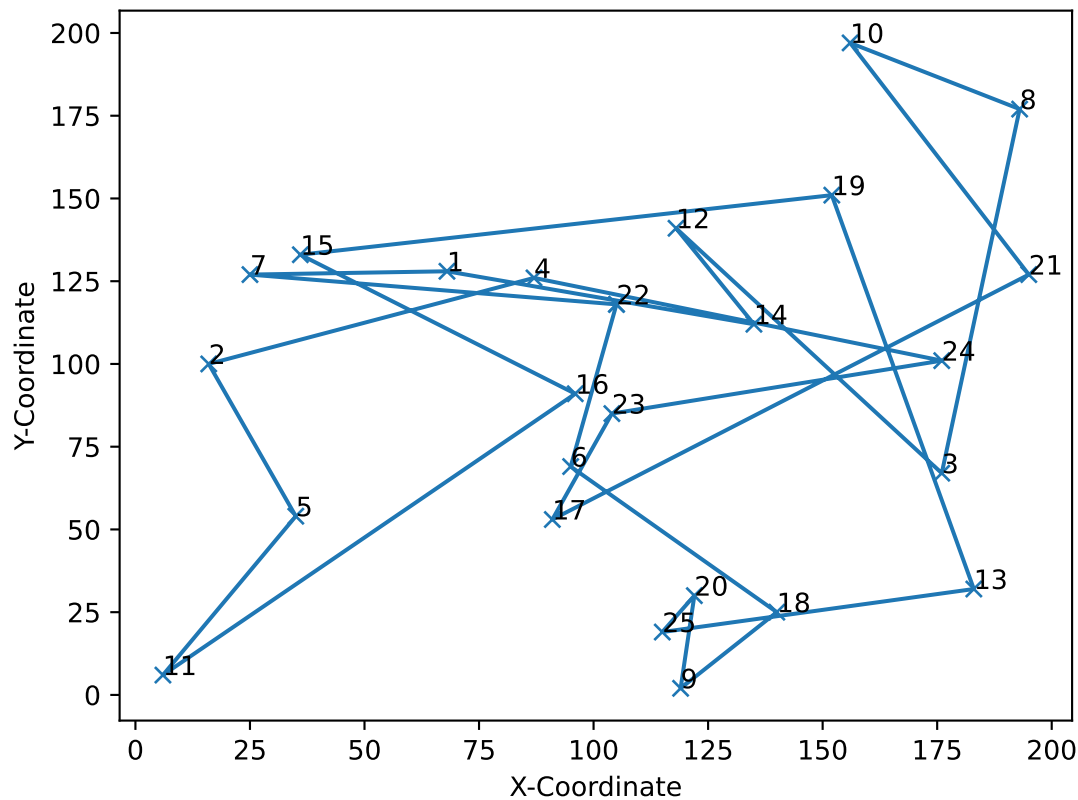
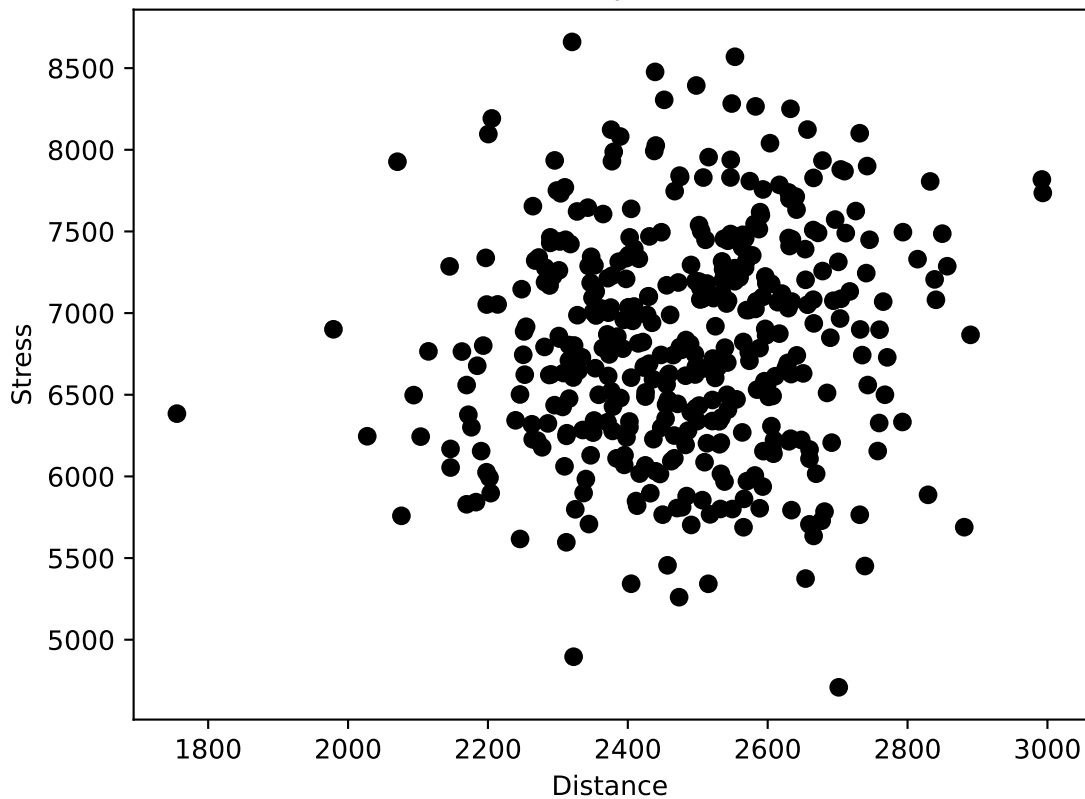


[C1\_(68,128)\_(T:8), C2\_(16,100)\_(T:14), C3\_(176,67)\_(T:7), C4\_(87,126)\_(T:27), C5\_(35,54)\_(T:38),  
C6\_(95,69)\_(T:1), C7\_(25,127)\_(T:12), C8\_(193,177)\_(T:23), C9\_(119,2)\_(T:4), C10\_(156,197)\_(T:11),  
C11\_(6,6)\_(T:9), C12\_(118,141)\_(T:6), C13\_(183,32)\_(T:39), C14\_(135,112)\_(T:24), C15\_(36,133)\_(T:9),  
C16\_(96,91)\_(T:12), C17\_(91,53)\_(T:16), C18\_(140,25)\_(T:37), C19\_(152,151)\_(T:24), C20\_(122,30)\_(T:15),  
C21\_(195,127)\_(T:31), C22\_(105,118)\_(T:3), C23\_(104,85)\_(T:25), C24\_(176,101)\_(T:12), C25\_(115,19)\_(T:26)]

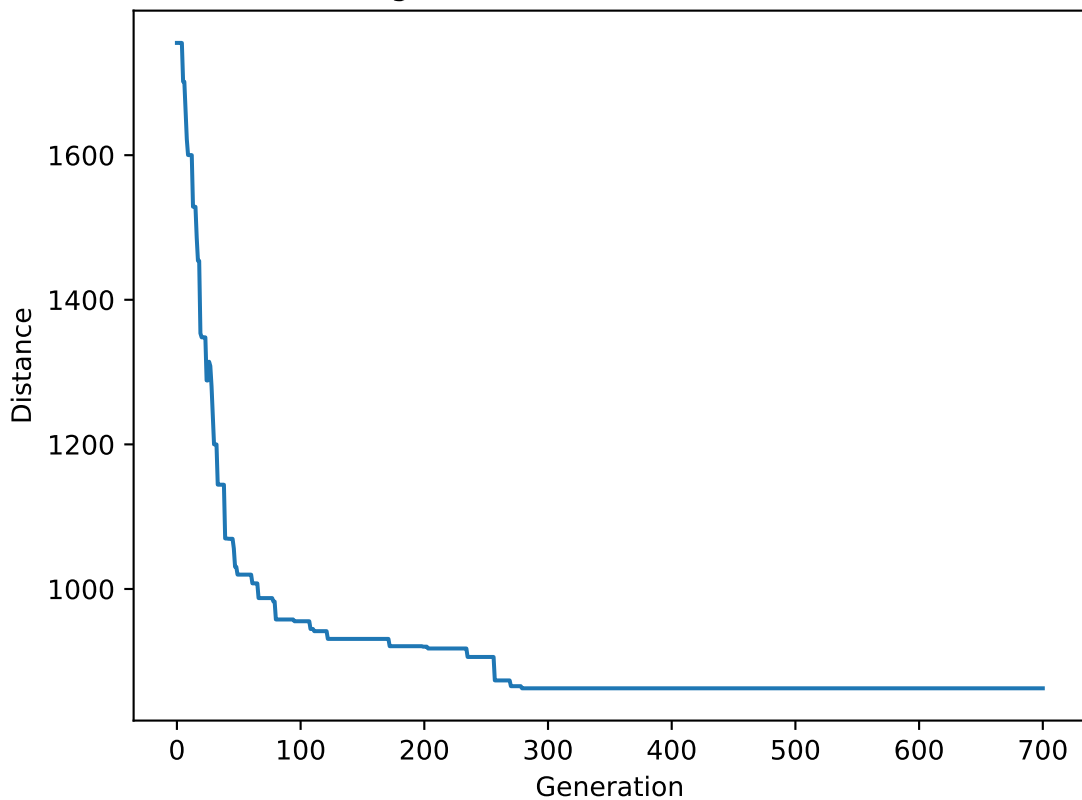
Best initial route



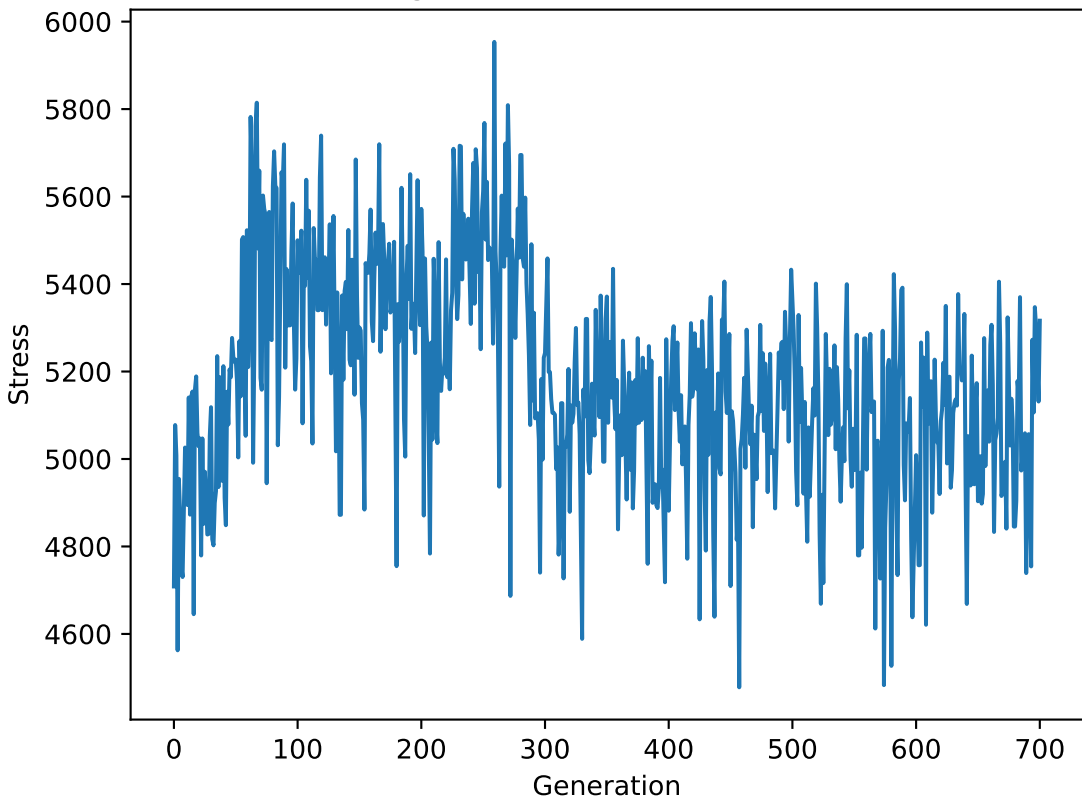
Initial Population



Progress of Distance Minimization

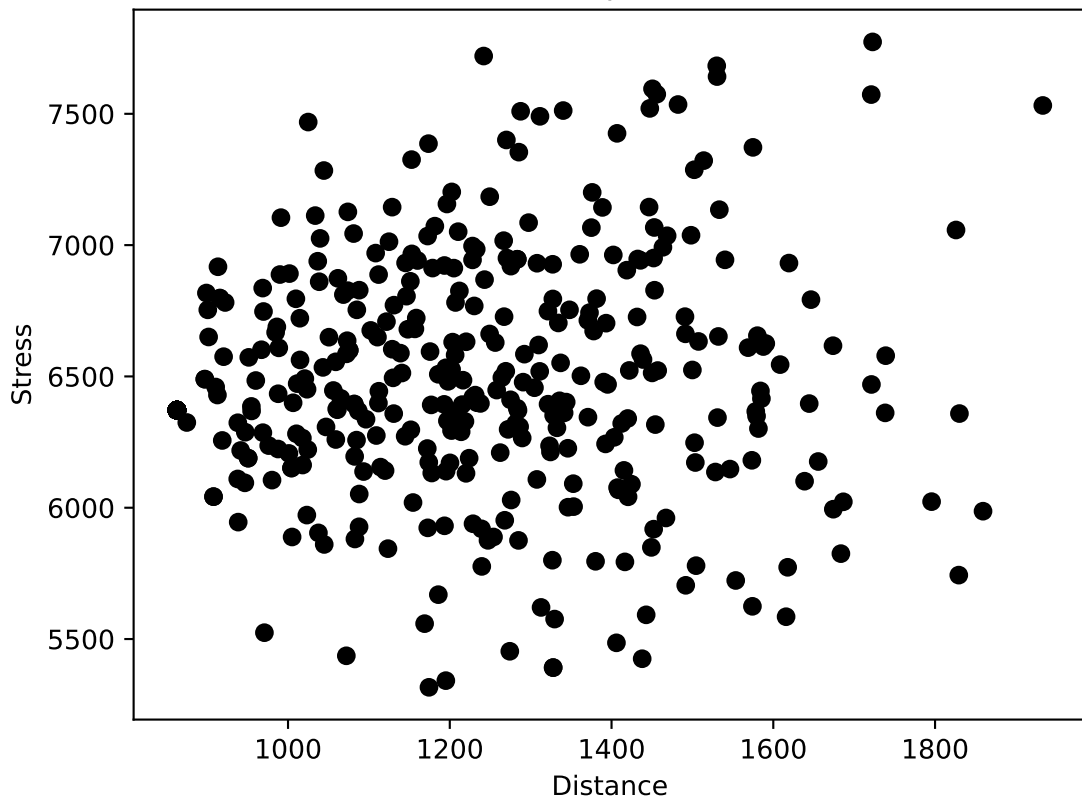


Progress of Stress Minimization



Initial distance : 1755.2897575629702  
Initial stress: 6384.4  
Initial objective: 1755.2897575629702  
Final objective: 862.6187465869773  
Final distance : 862.6187465869773  
Final stress: 6371.599999999999

Final Population



[C5\_(35,54)\_(T:38), C11\_(6,6)\_(T:9), C2\_(16,100)\_(T:14), C7\_(25,127)\_(T:12), C15\_(36,133)\_(T:9),  
C1\_(68,128)\_(T:8), C4\_(87,126)\_(T:27), C22\_(105,118)\_(T:3), C14\_(135,112)\_(T:24), C12\_(118,141)\_(T:6),  
C19\_(152,151)\_(T:24), C10\_(156,197)\_(T:11), C8\_(193,177)\_(T:23), C21\_(195,127)\_(T:31), C24\_(176,101)\_(T:12),  
C3\_(176,67)\_(T:7), C13\_(183,32)\_(T:39), C18\_(140,25)\_(T:37), C9\_(119,2)\_(T:4), C25\_(115,19)\_(T:26),  
C20\_(122,30)\_(T:15), C17\_(91,53)\_(T:16), C6\_(95,69)\_(T:1), C23\_(104,85)\_(T:25), C16\_(96,91)\_(T:12)]



Best final route

