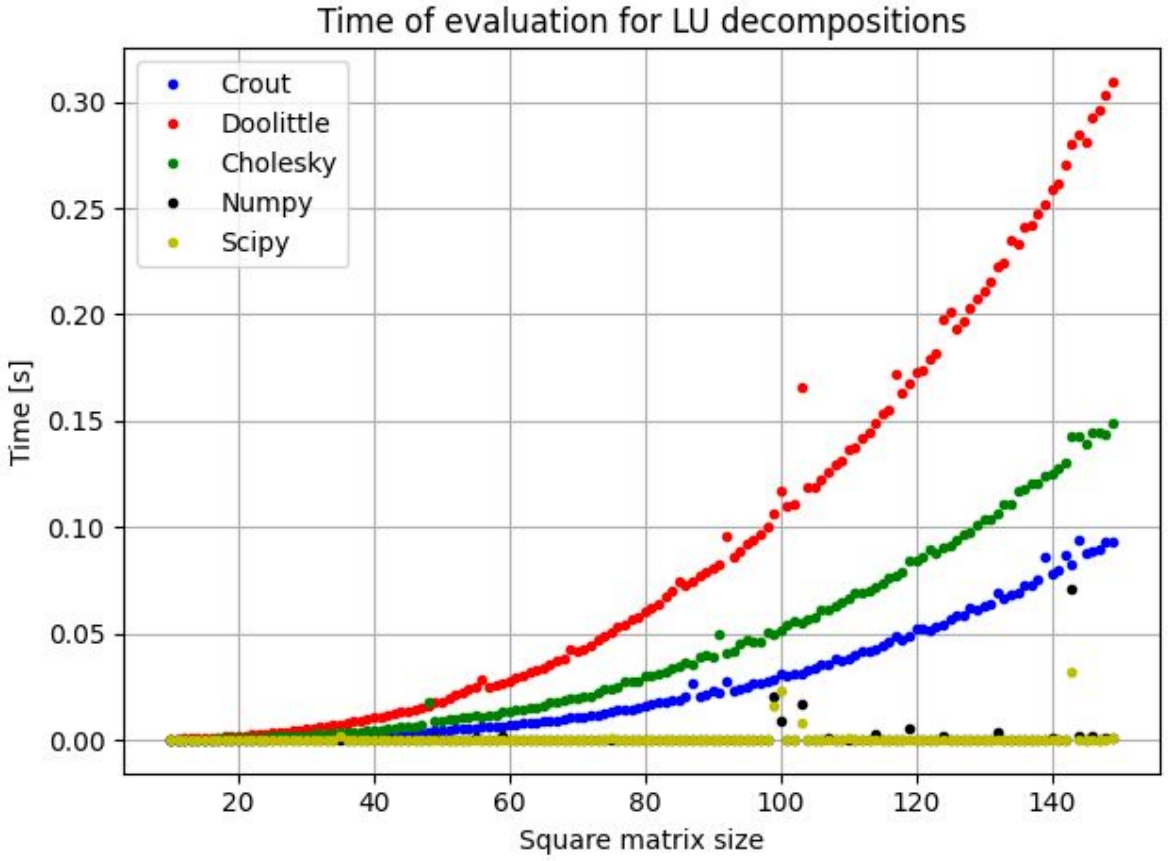

Pomiary czasów rozwiązywania liniowych układów równań:
SciPy linalg.solve + autorskie implementacje faktoryzacji LU
SciPy linalg.solve()
Numpy linalg.solve()

Matrix 10x10:
Crout: 0.00022482872009277344s
Doolittle: 0.000469207763671875s
Cholesky: 0.00024271011352539062s
Numpy: 0.00024271011352539062s
Scipy: 0.00024271011352539062s

Matrix 11x11:
Crout: 0.0001308917999267578s
Doolittle: 0.0005564689636230469s
Cholesky: 0.00028562545776367197s
Numpy: 0.00028562545776367197s
Scipy: 0.00028562545776367197s

Matrix 12x12:
Crout: 0.0001552104949951172s
Doolittle: 0.0007307529449462891s

Cholesky: 0.0003314018249511719s
Numpy: 0.0003314018249511719s
Scipy: 0.0003314018249511719s

Matrix 13x13:
Crout: 0.00017786026000976562s
Doolittle: 0.0007898807525634766s
Cholesky: 0.00038433074951171875s
Numpy: 0.00038433074951171875s
Scipy: 0.00038433074951171875s

Matrix 14x14:
Crout: 0.00020074844360351562s
Doolittle: 0.0009238719940185547s
Cholesky: 0.0005364418029785156s
Numpy: 0.0005364418029785156s
Scipy: 0.0005364418029785156s

Matrix 15x15:
Crout: 0.00023317337036132812s
Doolittle: 0.001081705093383789s
Cholesky: 0.0005068778991699219s
Numpy: 0.0005068778991699219s
Scipy: 0.0005068778991699219s

Matrix 16x16:
Crout: 0.0002636909484863281s
Doolittle: 0.0013225078582763672s
Cholesky: 0.0005905628204345703s
Numpy: 0.0005905628204345703s
Scipy: 0.0005905628204345703s

Matrix 17x17:
Crout: 0.0002994537353515625s
Doolittle: 0.00141143798828125s
Cholesky: 0.0007393360137939453s
Numpy: 0.0007393360137939453s
Scipy: 0.0007393360137939453s

Matrix 18x18:
Crout: 0.00035881996154785156s
Doolittle: 0.0016167163848876953s
Cholesky: 0.0007550716400146484s
Numpy: 0.0007550716400146484s
Scipy: 0.0007550716400146484s

Matrix 19x19:
  Crout: 0.0003819465637207031s
  Doolittle: 0.0018634796142578125s
  Cholesky: 0.0008533000946044922s
  Numpy: 0.0008533000946044922s
  Scipy: 0.0008533000946044922s

Matrix 20x20:
  Crout: 0.0004208087921142578s
  Doolittle: 0.002111673355102539s
  Cholesky: 0.0009443759918212891s
  Numpy: 0.0009443759918212891s
  Scipy: 0.0009443759918212891s

Matrix 21x21:
  Crout: 0.0004858970642089844s
  Doolittle: 0.002331972122192383s
  Cholesky: 0.0010488033294677734s
  Numpy: 0.0010488033294677734s
  Scipy: 0.0010488033294677734s

Matrix 22x22:
  Crout: 0.0005335807800292969s
  Doolittle: 0.0026018619537353516s
  Cholesky: 0.0011658668518066406s
  Numpy: 0.0011658668518066406s
  Scipy: 0.0011658668518066406s

Matrix 23x23:
  Crout: 0.0005905628204345703s
  Doolittle: 0.0028641223907470703s
  Cholesky: 0.0013768672943115234s
  Numpy: 0.0013768672943115234s
  Scipy: 0.0013768672943115234s

Matrix 24x24:
  Crout: 0.0006537437438964844s
  Doolittle: 0.003150463104248047s
  Cholesky: 0.0014104843139648438s
  Numpy: 0.0014104843139648438s
  Scipy: 0.0014104843139648438s

Matrix 25x25:
  Crout: 0.0007176399230957031s
  Doolittle: 0.003452301025390625s
  Cholesky: 0.0016081333160400039s

Numpy: 0.0016081333160400395
Scipy: 0.0016081333160400395

Matrix 26x26:
Crout: 0.0007925033569335938s
Doolittle: 0.0037658214569091797s
Cholesky: 0.0016980171203613281s
Numpy: 0.0016980171203613281s
Scipy: 0.0016980171203613281s

Matrix 27x27:
Crout: 0.0009100437164306641s
Doolittle: 0.004084587097167969s
Cholesky: 0.0018923282623291016s
Numpy: 0.0018923282623291016s
Scipy: 0.0018923282623291016s

Matrix 28x28:
Crout: 0.0009632110595703125s
Doolittle: 0.00445103645324707s
Cholesky: 0.002009153366088867s
Numpy: 0.002009153366088867s
Scipy: 0.002009153366088867s

Matrix 29x29:
Crout: 0.0010862350463867188s
Doolittle: 0.004871368408203125s
Cholesky: 0.002181529998779297s
Numpy: 0.002181529998779297s
Scipy: 0.002181529998779297s

Matrix 30x30:
Crout: 0.0011548995971679688s
Doolittle: 0.005207061767578125s
Cholesky: 0.0023832321166992188s
Numpy: 0.0023832321166992188s
Scipy: 0.0023832321166992188s

Matrix 31x31:
Crout: 0.0011944770812988281s
Doolittle: 0.005671024322509766s
Cholesky: 0.002550840377807617s
Numpy: 0.002550840377807617s
Scipy: 0.002550840377807617s

Matrix 32x32:

Crout: 0.0012979507446289062s
Doolittle: 0.006040334701538086s
Cholesky: 0.002827882766723633s
Numpy: 0.002827882766723633s
Scipy: 0.002827882766723633s

Matrix 33x33:
Crout: 0.00147247314453125s
Doolittle: 0.006591796875s
Cholesky: 0.002944469451904297s
Numpy: 0.002944469451904297s
Scipy: 0.002944469451904297s

Matrix 34x34:
Crout: 0.0015916824340820312s
Doolittle: 0.007000923156738281s
Cholesky: 0.003191709518432617s
Numpy: 0.003191709518432617s
Scipy: 0.003191709518432617s

Matrix 35x35:
Crout: 0.0016450881958007812s
Doolittle: 0.007483005523681641s
Cholesky: 0.0035190582275390625s
Numpy: 0.0035190582275390625s
Scipy: 0.0035190582275390625s

Matrix 36x36:
Crout: 0.0018780231475830078s
Doolittle: 0.008002281188964844s
Cholesky: 0.003721952438354492s
Numpy: 0.003721952438354492s
Scipy: 0.003721952438354492s

Matrix 37x37:
Crout: 0.0018963813781738281s
Doolittle: 0.008683443069458008s
Cholesky: 0.004000425338745117s
Numpy: 0.004000425338745117s
Scipy: 0.004000425338745117s

Matrix 38x38:
Crout: 0.002033710479736328s
Doolittle: 0.009120702743530273s
Cholesky: 0.004224300384521484s
Numpy: 0.004224300384521484s

Scipy: 0.004224300384521484s

Matrix 39x39:
Crout: 0.0021753311157226562s
Doolittle: 0.009746789932250977s
Cholesky: 0.0044918060302734375s
Numpy: 0.0044918060302734375s
Scipy: 0.0044918060302734375s

Matrix 40x40:
Crout: 0.0023567676544189453s
Doolittle: 0.010535001754760742s
Cholesky: 0.0048143863677978516s
Numpy: 0.0048143863677978516s
Scipy: 0.0048143863677978516s

Matrix 41x41:
Crout: 0.0027170181274414062s
Doolittle: 0.011109113693237305s
Cholesky: 0.005045413970947266s
Numpy: 0.005045413970947266s
Scipy: 0.005045413970947266s

Matrix 42x42:
Crout: 0.0026848316192626953s
Doolittle: 0.011591434478759766s
Cholesky: 0.005407571792602539s
Numpy: 0.005407571792602539s
Scipy: 0.005407571792602539s

Matrix 43x43:
Crout: 0.002821683883666992s
Doolittle: 0.012479305267333984s
Cholesky: 0.005736351013183594s
Numpy: 0.005736351013183594s
Scipy: 0.005736351013183594s

Matrix 44x44:
Crout: 0.002936840057373047s
Doolittle: 0.013184547424316406s
Cholesky: 0.006047248840332031s
Numpy: 0.006047248840332031s
Scipy: 0.006047248840332031s

Matrix 45x45:
Crout: 0.003231525421142578s

Doolittle: 0.01374959945678711s
Cholesky: 0.0063471794128417 97s
Numpy: 0.0063471794128417 97s
Scipy: 0.0063471794128417 97s

Matrix 46x46:
Crout: 0.0036699771881103516s
Doolittle: 0.014395952224731445s
Cholesky: 0.006697893142700195s
Numpy: 0.006697893142700195s
Scipy: 0.006697893142700195s

Matrix 47x47:
Crout: 0.0035715103149414062s
Doolittle: 0.015349149703979492s
Cholesky: 0.007149934768676758s
Numpy: 0.007149934768676758s
Scipy: 0.007149934768676758s

Matrix 48x48:
Crout: 0.0038576126098632812s
Doolittle: 0.01615738868713379s
Cholesky: 0.018251419067382812s
Numpy: 0.018251419067382812s
Scipy: 0.018251419067382812s

Matrix 49x49:
Crout: 0.004689216613769531s
Doolittle: 0.01759648323059082s
Cholesky: 0.008746623992919922s
Numpy: 0.008746623992919922s
Scipy: 0.008746623992919922s

Matrix 50x50:
Crout: 0.004267454147338867s
Doolittle: 0.018056392669677734s
Cholesky: 0.009520769119262695s
Numpy: 0.009520769119262695s
Scipy: 0.009520769119262695s

Matrix 51x51:
Crout: 0.0047736167907714 84s
Doolittle: 0.019805192947387695s
Cholesky: 0.009543657302856445s
Numpy: 0.009543657302856445s
Scipy: 0.009543657302856445s

Matrix 52x52:
  Crout: 0.00521397590637207s
  Doolittle: 0.021747827529907227s
  Cholesky: 0.009963274002075195s
  Numpy: 0.009963274002075195s
  Scipy: 0.009963274002075195s

Matrix 53x53:
  Crout: 0.00557255744934082s
  Doolittle: 0.022518157958984375s
  Cholesky: 0.010490179061889648s
  Numpy: 0.010490179061889648s
  Scipy: 0.010490179061889648s

Matrix 54x54:
  Crout: 0.005521535873413086s
  Doolittle: 0.023821115493774414s
  Cholesky: 0.011212587356567383s
  Numpy: 0.011212587356567383s
  Scipy: 0.011212587356567383s

Matrix 55x55:
  Crout: 0.005392789840698242s
  Doolittle: 0.02530217170715332s
  Cholesky: 0.011435747146606445s
  Numpy: 0.011435747146606445s
  Scipy: 0.011435747146606445s

Matrix 56x56:
  Crout: 0.0062427520751953125s
  Doolittle: 0.02824115753173828s
  Cholesky: 0.011067867279052734s
  Numpy: 0.011067867279052734s
  Scipy: 0.011067867279052734s

Matrix 57x57:
  Crout: 0.006091594696044922s
  Doolittle: 0.02481698989868164s
  Cholesky: 0.011644124984741211s
  Numpy: 0.011644124984741211s
  Scipy: 0.011644124984741211s

Matrix 58x58:
  Crout: 0.006346940994262695s
  Doolittle: 0.02593088150024414s

Cholesky: 0.0121538639068603 52s
Numpy: 0.0121538639068603 52s
Scipy: 0.0121538639068603 52s

Matrix 59x59:
Crout: 0.0065462589263916016s
Doolittle: 0.027048110961914062s
Cholesky: 0.013177394866943 36s
Numpy: 0.013177394866943 36s
Scipy: 0.013177394866943 36s

Matrix 60x60:
Crout: 0.00688624382019043s
Doolittle: 0.0279843807220459s
Cholesky: 0.013904809951782227s
Numpy: 0.013904809951782227s
Scipy: 0.013904809951782227s

Matrix 61x61:
Crout: 0.007228374481201172s
Doolittle: 0.02956986427307129s
Cholesky: 0.014198303222656 25s
Numpy: 0.014198303222656 25s
Scipy: 0.014198303222656 25s

Matrix 62x62:
Crout: 0.008187532424926758s
Doolittle: 0.030785083770751953s
Cholesky: 0.014357805252075195s
Numpy: 0.014357805252075195s
Scipy: 0.014357805252075195s

Matrix 63x63:
Crout: 0.007907867431640625s
Doolittle: 0.03180098533630371s
Cholesky: 0.015475034713745117s
Numpy: 0.015475034713745117s
Scipy: 0.015475034713745117s

Matrix 64x64:
Crout: 0.008208274841308594s
Doolittle: 0.03307509422302246s
Cholesky: 0.015492200851440 43s
Numpy: 0.015492200851440 43s
Scipy: 0.015492200851440 43s

Matrix 65x65:
  Crout: 0.008730888366699219s
  Doolittle: 0.034331560134887695s
  Cholesky: 0.016164541244506836s
  Numpy: 0.016164541244506836s
  Scipy: 0.016164541244506836s

Matrix 66x66:
  Crout: 0.009305477142333984s
  Doolittle: 0.03586435317993164s
  Cholesky: 0.017852783203125s
  Numpy: 0.017852783203125s
  Scipy: 0.017852783203125s

Matrix 67x67:
  Crout: 0.009437322616577148s
  Doolittle: 0.037160396575927734s
  Cholesky: 0.01752471923828125s
  Numpy: 0.01752471923828125s
  Scipy: 0.01752471923828125s

Matrix 68x68:
  Crout: 0.009885072708129883s
  Doolittle: 0.03873896598815918s
  Cholesky: 0.018603801727294922s
  Numpy: 0.018603801727294922s
  Scipy: 0.018603801727294922s

Matrix 69x69:
  Crout: 0.011074066162109375s
  Doolittle: 0.04254770278930664s
  Cholesky: 0.019880294799804688s
  Numpy: 0.019880294799804688s
  Scipy: 0.019880294799804688s

Matrix 70x70:
  Crout: 0.010701179504394531s
  Doolittle: 0.04209637641906738s
  Cholesky: 0.019843101501464844s
  Numpy: 0.019843101501464844s
  Scipy: 0.019843101501464844s

Matrix 71x71:
  Crout: 0.011068344116210938s
  Doolittle: 0.04317021369934082s
  Cholesky: 0.020490646362304688s

Numpy: 0.020490646362304688s
Scipy: 0.020490646362304688s

Matrix 72x72:
Crout: 0.011496543884277344s
Doolittle: 0.0447690486907959s
Cholesky: 0.021033287048339844s
Numpy: 0.021033287048339844s
Scipy: 0.021033287048339844s

Matrix 73x73:
Crout: 0.011853694915771484s
Doolittle: 0.047545433044433594s
Cholesky: 0.022428512573242188s
Numpy: 0.022428512573242188s
Scipy: 0.022428512573242188s

Matrix 74x74:
Crout: 0.012289047241210938s
Doolittle: 0.04920196533203125s
Cholesky: 0.02376866340637207s
Numpy: 0.02376866340637207s
Scipy: 0.02376866340637207s

Matrix 75x75:
Crout: 0.013134479522705078s
Doolittle: 0.05052804946899414s
Cholesky: 0.023793697357177734s
Numpy: 0.023793697357177734s
Scipy: 0.023793697357177734s

Matrix 76x76:
Crout: 0.014524698257446289s
Doolittle: 0.05376553535461426s
Cholesky: 0.02517390251159668s
Numpy: 0.02517390251159668s
Scipy: 0.02517390251159668s

Matrix 77x77:
Crout: 0.01434946060180664s
Doolittle: 0.054582834243774414s
Cholesky: 0.027420759201049805s
Numpy: 0.027420759201049805s
Scipy: 0.027420759201049805s

Matrix 78x78:

Crout: 0.014784574508666992s
Doolittle: 0.05716681480407715s
Cholesky: 0.028089761734008879s
Numpy: 0.028089761734008879s
Scipy: 0.028089761734008879s

Matrix 79x79:
Crout: 0.015293359756469727s
Doolittle: 0.05803823471069336s
Cholesky: 0.028074741363525391s
Numpy: 0.028074741363525391s
Scipy: 0.028074741363525391s

Matrix 80x80:
Crout: 0.01585531234741211s
Doolittle: 0.060423851013183594s
Cholesky: 0.030373096466064453s
Numpy: 0.030373096466064453s
Scipy: 0.030373096466064453s

Matrix 81x81:
Crout: 0.017237424850463867s
Doolittle: 0.06192350387573242s
Cholesky: 0.030501127243041992s
Numpy: 0.030501127243041992s
Scipy: 0.030501127243041992s

Matrix 82x82:
Crout: 0.017629146575927734s
Doolittle: 0.06418085098266602s
Cholesky: 0.030824899673461914s
Numpy: 0.030824899673461914s
Scipy: 0.030824899673461914s

Matrix 83x83:
Crout: 0.017693281173706055s
Doolittle: 0.06732773780822754s
Cholesky: 0.03198742866516113s
Numpy: 0.03198742866516113s
Scipy: 0.03198742866516113s

Matrix 84x84:
Crout: 0.018421173095703125s
Doolittle: 0.07010698318481445s
Cholesky: 0.03345799446105957s
Numpy: 0.03345799446105957s

Scipy: 0.03345799446105957s

Matrix 85x85:
Crout: 0.019126415252685547s
Doolittle: 0.07468271255493164s
Cholesky: 0.03493332862854004s
Numpy: 0.03493332862854004s
Scipy: 0.03493332862854004s

Matrix 86x86:
Crout: 0.02051568031311035s
Doolittle: 0.07286334037780762s
Cholesky: 0.03618192672729492s
Numpy: 0.03618192672729492s
Scipy: 0.03618192672729492s

Matrix 87x87:
Crout: 0.027167797088623047s
Doolittle: 0.07460904121398926s
Cholesky: 0.035700082778930664s
Numpy: 0.035700082778930664s
Scipy: 0.035700082778930664s

Matrix 88x88:
Crout: 0.02080678939819336s
Doolittle: 0.07761335372924805s
Cholesky: 0.03895974159240723s
Numpy: 0.03895974159240723s
Scipy: 0.03895974159240723s

Matrix 89x89:
Crout: 0.02175736427307129s
Doolittle: 0.07883119583129883s
Cholesky: 0.040060997009277344s
Numpy: 0.040060997009277344s
Scipy: 0.040060997009277344s

Matrix 90x90:
Crout: 0.023058176040649414s
Doolittle: 0.0811307430267334s
Cholesky: 0.039537906646728516s
Numpy: 0.039537906646728516s
Scipy: 0.039537906646728516s

Matrix 91x91:
Crout: 0.02252984046936035s

Doolittle: 0.08291363716125488s
Cholesky: 0.05013251304626465s
Numpy: 0.05013251304626465s
Scipy: 0.05013251304626465s

Matrix 92x92:
Crout: 0.02729511260986328s
Doolittle: 0.09619331359863281s
Cholesky: 0.0405728816986084s
Numpy: 0.0405728816986084s
Scipy: 0.0405728816986084s

Matrix 93x93:
Crout: 0.023558616638183594s
Doolittle: 0.08625125885009766s
Cholesky: 0.042147159576416016s
Numpy: 0.042147159576416016s
Scipy: 0.042147159576416016s

Matrix 94x94:
Crout: 0.02448892593383789s
Doolittle: 0.08885383605957031s
Cholesky: 0.04536151885986328s
Numpy: 0.04536151885986328s
Scipy: 0.04536151885986328s

Matrix 95x95:
Crout: 0.024950504302978516s
Doolittle: 0.09211897850036621s
Cholesky: 0.04746508598327637s
Numpy: 0.04746508598327637s
Scipy: 0.04746508598327637s

Matrix 96x96:
Crout: 0.0263822078704834s
Doolittle: 0.09450769424438477s
Cholesky: 0.04588007926940918s
Numpy: 0.04588007926940918s
Scipy: 0.04588007926940918s

Matrix 97x97:
Crout: 0.026950359344482422s
Doolittle: 0.09685397148132324s
Cholesky: 0.046457529067993164s
Numpy: 0.046457529067993164s
Scipy: 0.046457529067993164s

Matrix 98x98:
  Crout: 0.027536630630493164s
  Doolittle: 0.10057568550109863s
  Cholesky: 0.050963640213012695s
  Numpy: 0.050963640213012695s
  Scipy: 0.050963640213012695s

Matrix 99x99:
  Crout: 0.02817058563232422s
  Doolittle: 0.10643815994262695s
  Cholesky: 0.04944467544555664s
  Numpy: 0.04944467544555664s
  Scipy: 0.04944467544555664s

Matrix 100x100:
  Crout: 0.03132748603820801s
  Doolittle: 0.11744284629821777s
  Cholesky: 0.05121898651123047s
  Numpy: 0.05121898651123047s
  Scipy: 0.05121898651123047s

Matrix 101x101:
  Crout: 0.03068852424621582s
  Doolittle: 0.11016321182250977s
  Cholesky: 0.0546722412109375s
  Numpy: 0.0546722412109375s
  Scipy: 0.0546722412109375s

Matrix 102x102:
  Crout: 0.030821561813354492s
  Doolittle: 0.11068820953369140s
  Cholesky: 0.056206703186035156s
  Numpy: 0.056206703186035156s
  Scipy: 0.056206703186035156s

Matrix 103x103:
  Crout: 0.03162956237792969s
  Doolittle: 0.16567182540893555s
  Cholesky: 0.055083513259887695s
  Numpy: 0.055083513259887695s
  Scipy: 0.055083513259887695s

Matrix 104x104:
  Crout: 0.033312082290649414s
  Doolittle: 0.11888623237609863s

Cholesky: 0.05685019493103027s
Numpy: 0.05685019493103027s
Scipy: 0.05685019493103027s

Matrix 105x105:
Crout: 0.03432512283325195s
Doolittle: 0.11908268928527832s
Cholesky: 0.0581207275390625s
Numpy: 0.0581207275390625s
Scipy: 0.0581207275390625s

Matrix 106x106:
Crout: 0.03523135185241699s
Doolittle: 0.12240338325500488s
Cholesky: 0.06130194664001465s
Numpy: 0.06130194664001465s
Scipy: 0.06130194664001465s

Matrix 107x107:
Crout: 0.035353660583496094s
Doolittle: 0.1257495880126953s
Cholesky: 0.06153678894042969s
Numpy: 0.06153678894042969s
Scipy: 0.06153678894042969s

Matrix 108x108:
Crout: 0.038053274154663086s
Doolittle: 0.12976717948913574s
Cholesky: 0.06350135803222656s
Numpy: 0.06350135803222656s
Scipy: 0.06350135803222656s

Matrix 109x109:
Crout: 0.03744220733642578s
Doolittle: 0.13176798820495605s
Cholesky: 0.06519007682800293s
Numpy: 0.06519007682800293s
Scipy: 0.06519007682800293s

Matrix 110x110:
Crout: 0.03869271278381348s
Doolittle: 0.13704586029052734s
Cholesky: 0.06635689735412598s
Numpy: 0.06635689735412598s
Scipy: 0.06635689735412598s

Matrix 111x111:
  Crout: 0.03996396064758301s
  Doolittle: 0.13778114318847656s
  Cholesky: 0.06901359558105469s
  Numpy: 0.06901359558105469s
  Scipy: 0.06901359558105469s

Matrix 112x112:
  Crout: 0.04194331169128418s
  Doolittle: 0.14184880256652832s
  Cholesky: 0.06912446022033691s
  Numpy: 0.06912446022033691s
  Scipy: 0.06912446022033691s

Matrix 113x113:
  Crout: 0.0416262149810791s
  Doolittle: 0.14485526084899902s
  Cholesky: 0.07033181190490723s
  Numpy: 0.07033181190490723s
  Scipy: 0.07033181190490723s

Matrix 114x114:
  Crout: 0.04317021369934082s
  Doolittle: 0.14934730529785156s
  Cholesky: 0.07196712493896484s
  Numpy: 0.07196712493896484s
  Scipy: 0.07196712493896484s

Matrix 115x115:
  Crout: 0.04484081268310547s
  Doolittle: 0.1538708209991455s
  Cholesky: 0.07396268844604492s
  Numpy: 0.07396268844604492s
  Scipy: 0.07396268844604492s

Matrix 116x116:
  Crout: 0.04602813720703125s
  Doolittle: 0.15550827980041504s
  Cholesky: 0.0762014389038086s
  Numpy: 0.0762014389038086s
  Scipy: 0.0762014389038086s

Matrix 117x117:
  Crout: 0.048601388931274414s
  Doolittle: 0.17168092727661133s
  Cholesky: 0.07732486724853516s

Numpy: 0.07732486724853516s
Scipy: 0.07732486724853516s

Matrix 118x118:
Crout: 0.047096967697143555s
Doolittle: 0.16290998458862305s
Cholesky: 0.07948541641235352s
Numpy: 0.07948541641235352s
Scipy: 0.07948541641235352s

Matrix 119x119:
Crout: 0.04909205436706543s
Doolittle: 0.16730737686157227s
Cholesky: 0.08408069610595703s
Numpy: 0.08408069610595703s
Scipy: 0.08408069610595703s

Matrix 120x120:
Crout: 0.05252575874328613s
Doolittle: 0.17327046394348145s
Cholesky: 0.0843193531036377s
Numpy: 0.0843193531036377s
Scipy: 0.0843193531036377s

Matrix 121x121:
Crout: 0.05251121520996094s
Doolittle: 0.1738297939300537s
Cholesky: 0.08619403839111328s
Numpy: 0.08619403839111328s
Scipy: 0.08619403839111328s

Matrix 122x122:
Crout: 0.0517420768737793s
Doolittle: 0.17954111099243164s
Cholesky: 0.09008955955505371s
Numpy: 0.09008955955505371s
Scipy: 0.09008955955505371s

Matrix 123x123:
Crout: 0.05340695381164551s
Doolittle: 0.18140220642089844s
Cholesky: 0.08819127082824707s
Numpy: 0.08819127082824707s
Scipy: 0.08819127082824707s

Matrix 124x124:

Crout: 0.05456089973449707s
Doolittle: 0.1981797218322754s
Cholesky: 0.0908350944519043s
Numpy: 0.0908350944519043s
Scipy: 0.0908350944519043s

Matrix 125x125:
Crout: 0.05698251724243164s
Doolittle: 0.20126032829284668s
Cholesky: 0.09190678596496582s
Numpy: 0.09190678596496582s
Scipy: 0.09190678596496582s

Matrix 126x126:
Crout: 0.058785200119018555s
Doolittle: 0.19328713417053223s
Cholesky: 0.09435462951660156s
Numpy: 0.09435462951660156s
Scipy: 0.09435462951660156s

Matrix 127x127:
Crout: 0.05875992774963379s
Doolittle: 0.19721055030822754s
Cholesky: 0.09714388847351074s
Numpy: 0.09714388847351074s
Scipy: 0.09714388847351074s

Matrix 128x128:
Crout: 0.06245875358581543s
Doolittle: 0.2027146816253662s
Cholesky: 0.09743404388427734s
Numpy: 0.09743404388427734s
Scipy: 0.09743404388427734s

Matrix 129x129:
Crout: 0.06146121025085449s
Doolittle: 0.20732355117797852s
Cholesky: 0.10151386260986328s
Numpy: 0.10151386260986328s
Scipy: 0.10151386260986328s

Matrix 130x130:
Crout: 0.06334066390991211s
Doolittle: 0.2111499309539795s
Cholesky: 0.10361242294311523s
Numpy: 0.10361242294311523s

Scipy: 0.10361242294311523s

Matrix 131x131:
Crout: 0.06443238258361816s
Doolittle: 0.21556639671325684s
Cholesky: 0.10427284240722656s
Numpy: 0.10427284240722656s
Scipy: 0.10427284240722656s

Matrix 132x132:
Crout: 0.06956148147583008s
Doolittle: 0.22255849838256836s
Cholesky: 0.1062161922454834s
Numpy: 0.1062161922454834s
Scipy: 0.1062161922454834s

Matrix 133x133:
Crout: 0.0666358470916748s
Doolittle: 0.22473526000976562s
Cholesky: 0.11069536209106445s
Numpy: 0.11069536209106445s
Scipy: 0.11069536209106445s

Matrix 134x134:
Crout: 0.06870341300964355s
Doolittle: 0.23464512825012207s
Cholesky: 0.11128020286560059s
Numpy: 0.11128020286560059s
Scipy: 0.11128020286560059s

Matrix 135x135:
Crout: 0.06937646865844727s
Doolittle: 0.23343825340270996s
Cholesky: 0.11714816093444824s
Numpy: 0.11714816093444824s
Scipy: 0.11714816093444824s

Matrix 136x136:
Crout: 0.07297086715698242s
Doolittle: 0.24139189720153809s
Cholesky: 0.11839890480041504s
Numpy: 0.11839890480041504s
Scipy: 0.11839890480041504s

Matrix 137x137:
Crout: 0.0727696418762207s

Doolittle: 0.24170851707458496s
Cholesky: 0.12058258056640625s
Numpy: 0.12058258056640625s
Scipy: 0.12058258056640625s

Matrix 138x138:
Crout: 0.07581448554992676s
Doolittle: 0.2472531795501709s
Cholesky: 0.12063026428222656s
Numpy: 0.12063026428222656s
Scipy: 0.12063026428222656s

Matrix 139x139:
Crout: 0.0857234001159668s
Doolittle: 0.2521378993988037s
Cholesky: 0.12392258644104004s
Numpy: 0.12392258644104004s
Scipy: 0.12392258644104004s

Matrix 140x140:
Crout: 0.07822608947753906s
Doolittle: 0.2585892677307129s
Cholesky: 0.12493562698364258s
Numpy: 0.12493562698364258s
Scipy: 0.12493562698364258s

Matrix 141x141:
Crout: 0.07960653305053711s
Doolittle: 0.2614109516143799s
Cholesky: 0.12819743156433105s
Numpy: 0.12819743156433105s
Scipy: 0.12819743156433105s

Matrix 142x142:
Crout: 0.08672285079956055s
Doolittle: 0.2704606056213379s
Cholesky: 0.1302623748779297s
Numpy: 0.1302623748779297s
Scipy: 0.1302623748779297s

Matrix 143x143:
Crout: 0.08219170570373535s
Doolittle: 0.28012800216674805s
Cholesky: 0.14293384552001953s
Numpy: 0.14293384552001953s
Scipy: 0.14293384552001953s

Matrix 144x144:
  Crout: 0.09455370903015137s
  Doolittle: 0.28436279296875s
  Cholesky: 0.14309906959533691s
  Numpy: 0.14309906959533691s
  Scipy: 0.14309906959533691s

Matrix 145x145:
  Crout: 0.0874941349029541s
  Doolittle: 0.28133630752563477s
  Cholesky: 0.13955068588256836s
  Numpy: 0.13955068588256836s
  Scipy: 0.13955068588256836s

Matrix 146x146:
  Crout: 0.08852791786193848s
  Doolittle: 0.2922501564025879s
  Cholesky: 0.14474701881408691s
  Numpy: 0.14474701881408691s
  Scipy: 0.14474701881408691s

Matrix 147x147:
  Crout: 0.08973908424377441s
  Doolittle: 0.29628968238830566s
  Cholesky: 0.14455080032348633s
  Numpy: 0.14455080032348633s
  Scipy: 0.14455080032348633s

Matrix 148x148:
  Crout: 0.09283065795898438s
  Doolittle: 0.30331897735595703s
  Cholesky: 0.14406442642211914s
  Numpy: 0.14406442642211914s
  Scipy: 0.14406442642211914s

Matrix 149x149:
  Crout: 0.09335041046142578s
  Doolittle: 0.309551477432251s
  Cholesky: 0.14884591102600098s
  Numpy: 0.14884591102600098s
  Scipy: 0.14884591102600098s