feature list

f0,f1 materialized memory read, write

f2,f3 factorized memory read, write

f4-f6 scalar, LMM, RMM complexity with materialization

f7-f9 scalar, LMM, RMM complexity with factorization

f10 col-major ops complexity with materialization

f11 col-major ops complexity with factorization

f12 dense scalar op complexity/total materialization complxity

f13 dense scalar op complexity/total factorization complxity

f14 dense MM op complexity/total materialization complxity

f15 dense MM op complexity/total factorization complxity

f16-f19 dense scalar read and write, dense MM read and write / total materialization memory

f20-f23 dense scalar read and write, dense MM read and write / total factorization memory

f24-f27 colSum read and write, rowSum read and write / total materialization memory

f28-f31 colSum read and write, rowSum read and write / total factorization memory

f23,f33 colSum and rowSum complexity / total materialization complexity

f34,f35 colSum and rowSum complexity / total factorization complexity

f36 selectivity

f38 complexity ratio

f39,f40 Tuple ratio, feature ratio