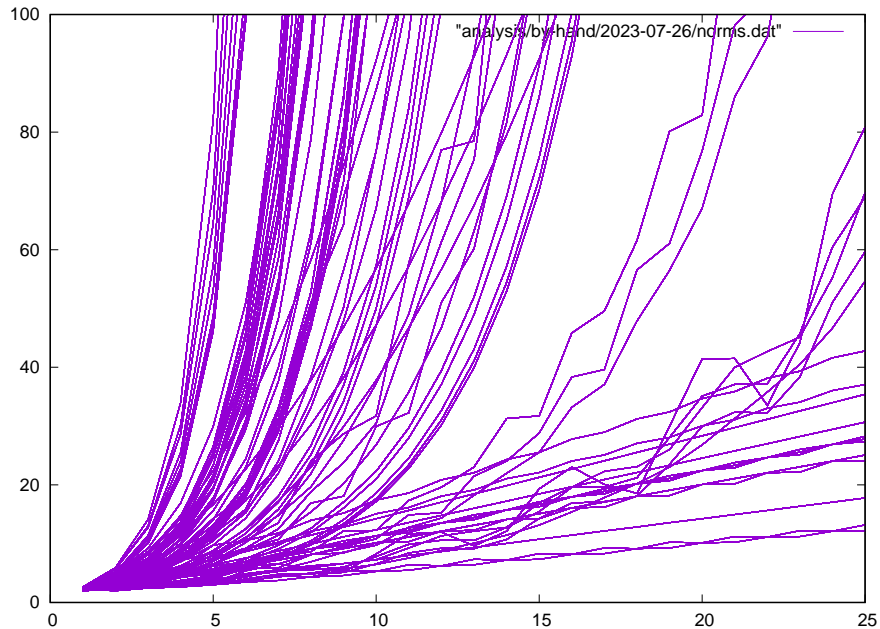


```

1396 ( set -x; directory-metadata; awk '($3 == 1 || $3
    ↪ == -1) && $4 < 0' analysis/by-hand/2023-07-25/3
    ↪ x3_tu_matrices.lst | awk -F"\t" '{print $NF}' |
    ↪ xargs -i sh -c 'echo {} | ./bin/imatpowers 25 /dev
    ↪ /stdin; echo ""' | awk -F"\t" '{print $NF}' | ./
    ↪ bin/ifronorm /dev/stdin | awk 'BEGIN {n = 1} /^ *$
    ↪ / {n = 1; print} !/^ *$/ {print n, $0; n++}' >
    ↪ analysis/by-hand/2023-07-26/norms.dat ) &>
    ↪ analysis/by-hand/2023-07-26/norms.dat.log

```



```

1519 ( set -x; directory-metadata; awk '$1 == 25 && $2
    ↪ < 50' analysis/by-hand/2023-07-26/norms.dat | awk
    ↪ -F"\t" '{print $NF, "\n"}' | ./bin/imatpowers 1000
    ↪ /dev/stdin | awk -F"\t" '/^ *$/ {print} !/^ *$/ {
    ↪ print $NF}' | ./bin/ifronorm /dev/stdin | awk '
    ↪ BEGIN {n = 1} /^ *$/ {n = 1; print} !/^ *$/ {print
    ↪ n, $0; n++}' > analysis/by-hand/2023-07-26/linear
    ↪ -norms.dat ) &> analysis/by-hand/2023-07-26/linear
    ↪ -norms.dat.log &

```

