```
N = 106 = 2*53

By the Ibukiyama-Kitayama dimension formula,
 dim(S_4(K(106))) = 35

By the Skoruppa-Zagier dimension formula and Jacobi restriction,
 the lift dimension of S_4(K(106))^+ is 19
 the nonlift dimension of S_4(K(106))^+ is heuristically 15
 dim(S_4(K(106))^+) thus is heuristically 34
 dim(S_4(K(106))^-) is heuristically 1

The heuristic dimensions are correct by the spanning results to follow

dim(J_{2,106}^{cusp}) = 2 (Skoruppa-Zagier), so need to span to within 1 dimension

q = 5 for TraceDown
After TD(Grit(J_{4,530}^{cusp})) and (Grit(J_{2,106}^{cusp}))^2,
 spanned rank in S_4(K(106))^+ is 34
 spanned rank in S_4(K(106))^- is 0

Hecke operators applied: {{{2, 2}}}
After Hecke spreading,
 spanned rank in S_4(K(106))^- is 1

Final spanned rank in S_4(K(106))^+ is 34
Final spanned rank in S_4(K(106))^- is 1

-------------------------------------------------------------------------------------

S_2(K(106)) is determined by Jacobi restriction and the H4Ndd(2,+) test
 (H_4(106,2,2)^+ = 0)

So S_2(K(106)) = Grit(J_{2,106}^{cusp}) (dimension 2)
```