```
N = 102 = 2*3*17

By the Ibukiyama-Kitayama dimension formula,
 dim(S_4(K(102))) = 26

By the Skoruppa-Zagier dimension formula and Jacobi restriction,
 the lift dimension of S_4(K(102))^+ is 15
 the nonlift dimension of S_4(K(102))^+ is heuristically 9
 dim(S_4(K(102))^+) thus is heuristically 24
 dim(S_4(K(102))^-) is heuristically 2

The heuristic dimensions are correct by the spanning results to follow

dim(J_{2,102}^{cusp}) = 1 (Skoruppa-Zagier), so need to span completely

q = 7 for TraceDown
After TD(Grit(J_{4,714}^{cusp})) and (Grit(J_{2,102}^{cusp}))^2,
 spanned rank in S_4(K(102))^+ is 24
 spanned rank in S_4(K(102))^- is 0

Hecke operators applied: {{{3, 2}}}
After Hecke spreading,
 spanned rank in S_4(K(102))^- is 1

After Borcherds products,
 spanned rank in S_4(K(102))^- is 2

Final spanned rank in S_4(K(102))^+ is 24
Final spanned rank in S_4(K(102))^- is 2

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

S_2(K(102))^+ is determined by Jacobi restriction and the H4Nd1(1,+) test
 (dim(H_4(102,1,1)^+) <= 1 and this is less than dim(J_{2,102}^{cusp})+1 = 2)
S_2(K(102))^- = 0 by Jacobi restriction and the H4Nd1(1,-) test
 (dim(H_4(102,1,1)^-) <= 0 and this is less than dim(J_{2,102}^{cusp}) = 1)

So S_2(K(102)) = Grit(J_{2,102}^{cusp}) (dimension 1)
```