```
N = 255 = 3*5*17

By the Ibukiyama-Kitayama dimension formula,
 dim(S_4(K(255))) = 136

By the Skoruppa-Zagier dimension formula and Jacobi restriction,
 the lift dimension of S_4(K(255))^+ is 41
 the nonlift dimension of S_4(K(255))^+ is heuristically 73
 dim(S_4(K(255))^+) thus is heuristically 114
 dim(S_4(K(255))^-) is heuristically 22

dim(J_{2,255}^{cusp}) = 2 (Skoruppa-Zagier), so need to span to within 1 dimension

q = 7 for TraceDown
After TD(Grit(J_{4,1785}^{cusp})) and (Grit(J_{2,255}^{cusp}))^2,
 spanned rank in S_4(K(255))^+ is 114
 spanned rank in S_4(K(255))^- is 0

Hecke operators applied: {{{3, 2}}}
After Hecke spreading,
 spanned rank in S_4(K(255))^- is 3

After Borcherds products,
 spanned rank in S_4(K(255))^- is 21

Final spanned rank in S_4(K(255))^+ is 114
Final spanned rank in S_4(K(255))^- is 21

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

S_2(K(255))^+ is determined by Jacobi restriction and the H4Nd1(2,+) test
 (dim(H_4(255,2,1)^+) <= 1 and this is less than dim(J_{2,255}^{cusp})+1 = 3)
S_2(K(255))^- = 0 by Jacobi restriction and the H4Nd1(1,-) test
 (dim(H_4(255,1,1)^-) <= 1 and this is less than dim(J_{2,255}^{cusp}) = 2)

So S_2(K(255)) = Grit(J_{2,255}^{cusp}) (dimension 2)
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