```
N = 266 = 2*7*19

By the Ibukiyama-Kitayama dimension formula,
 dim(S_4(K(266))) = 158

By the Skoruppa-Zagier dimension formula and Jacobi restriction,
 the lift dimension of S_4(K(266))^+ is 45
 the nonlift dimension of S_4(K(266))^+ is heuristically 81
 dim(S_4(K(266))^+) thus is heuristically 126
 dim(S_4(K(266))^-) is heuristically 32

dim(J_{2,266}^{cusp}) = 4 (Skoruppa-Zagier), so need to span to within 3 dimensions

q = 5 for TraceDown
After TD(Grit(J_{4,1330}^{cusp})) and (Grit(J_{2,266}^{cusp}))^2,
 spanned rank in S_4(K(266))^+ is 125
 spanned rank in S_4(K(266))^- is 0

Hecke operators applied: {{{2, 2}}, {{2, 2}, {2, 1}}, {{2, 2}, {3, 1}}}
After Hecke spreading,
 spanned rank in S_4(K(266))^- is 23

After Borcherds products,
 spanned rank in S_4(K(266))^- is 29

Final spanned rank in S_4(K(266))^+ is 125
Final spanned rank in S_4(K(266))^- is 29

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

S_2(K(266)) is determined by Jacobi restriction and the H4Nd1(3  ) test
 (dim(H_4(266,3,1)) <= 4 and this is less than dim(J_{2,266}^{cusp})+1 = 5)

So S_2(K(266)) = Grit(J_{2,266}^{cusp}) (dimension 4)
```