1077-03-476 **Rebecca M. Steiner*** (rsteiner@gc.cuny.edu). Low_n Boolean Subalgebras. Preliminary report. Every low_n Boolean algebra, for $1 \le n \le 4$, is isomorphic to a computable Boolean algebra. It is not yet known whether the same is true for n > 4. However, it is known that there exists a low₅ subalgebra of the computable atomless Boolean algebra which, when viewed as a relation on the computable atomless Boolean algebra, does not have a computable copy. We adapt the proof of this recent result to show that there exists a low₄ subalgebra of the computable atomless Boolean algebra which, when viewed as a relation on the computable atomless Boolean algebra, has no computable copy. This result provides a sharp contrast with the one which shows that every low₄ Boolean algebra has a computable copy. That is, the spectrum of the subalgebra as a unary relation can contain a low₄ degree without containing the degree **0**, even though no spectrum of a Boolean algebra (viewed as a structure) can do the same. (Received September 03, 2011)