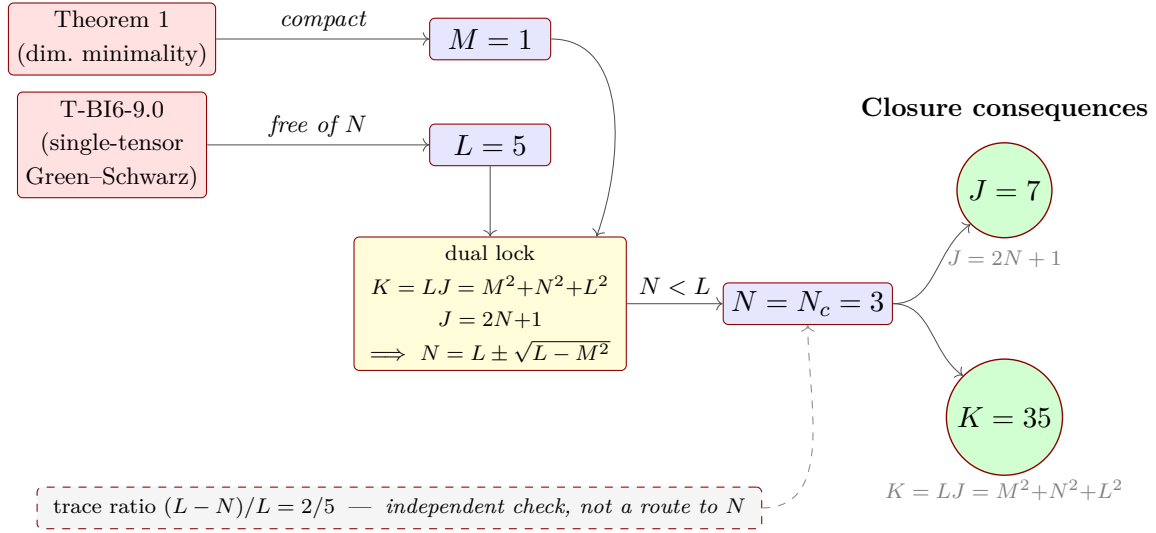


Five Integers, Forced — and No Free Parameter Left in the Bulk



The OGN-5 Diophantine cascade. Two theorems force $(M, L) = (1, 5)$ without reference to any color count (left column); the dual lock together with the block embedding $N < L$ then determines $N = N_c = 3$, and the pair $(J, K) = (7, 35)$ follows from the closure-index clause and the identity $K = LJ = M^2 + N^2 + L^2 = 35$ (right column). The double equality $35 = 5 \times 7 = 1 + 9 + 25$ is the axiomatic fingerprint of OGN-5: it is not a coincidence but the content of the dual lock, and every numerical prediction of the program descends from these five integers. Solid arrows mark the forcing chain; the one dashed arrow carries the check. After the cascade closes, no continuous dimensionless parameter survives in the bulk theory. Full version, and the proof of each of the five steps: Figure 6 in Part III, p. 99.