▶ FRANQUI CÁRDENAS, *Simplified morasses above a supercompact cardinal.*

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It is well known that above a supercompact cardinal κ, fails $\square_\lambda$ for all $\lambda \geq \kappa$. We investigate the case for a weaker combinatorial principle: gap-1 simplified morasses introduced by Velleman [1]. They imply a weaker version of $\square$ but it is enough weak to hold above a supercompact cardinal. We will considere the same problem with smaller cardinals (measurable or unfoldable cardinals).

[1] VELLEMAN, DAN, *Simplified morasses*, **Journal of Symbolic Logic**, vol. 49 (1984), no. 1, pp. 257–271.