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On modular representations of semigroup $T_2 \times T_2$.

Let $M = \{1, 2\}$ be a two element set and $T_2 = M^M$ be a semigroup of all maps $M \to M$. We are interested on representation type of semigroup $T_2 \times T_2$ over a field F of characteristic two. It is proved that this problem is wild.