Try 1tOut 4,22

There are three cases to consider.

Case $\widehat{S}(Ib)(M) = \widehat{I}(\widehat{\sigma_1}\widehat{\sigma_2}) | (\widehat{\sigma_1}\widehat{\sigma_2}) \in M_{\Lambda} tt \in \widehat{B}(Ib)(\widehat{\sigma_1}\widehat{\sigma_2})$

Assyme that Ma = M2

Then $d(\vec{\sigma}_1, \vec{\sigma}_2) | (\vec{\sigma}_1, \vec{\sigma}_2) \subseteq M_1 \wedge tt \in \mathcal{B}(6P(\vec{\sigma}_1, \vec{\sigma}_2))^2$ $\subseteq d(\vec{\sigma}_1, \vec{\sigma}_2) | (\vec{\sigma}_1, \vec{\sigma}_2) \subseteq M_2 \wedge tt \in \mathcal{B}(6P(\vec{\sigma}_1, \vec{\sigma}_2))^2$

Hence Ŝ(b)(Mn) = Ŝ(b)(Mz) as was to be shown.

In short, SUW (M) is monotonic in M because SUDP (M) is defined pointwise on the elements of M.

Case Ŝ(x:=0)(M) is similar.

Case 3 (A [a,]:=a, D(M) is similar.