

The article gives a constructions of  $k$ -tuples of topological spaces such that the product of the  $k$ -tuple is not Frchet-Urysohn but all smaller subproducts are. The construction uses almost disjoint systems. The article repeats the construction by Petr Simon of two such compact spaces. To achieve more dimensional example there are generalized terms of AD systems. The example is constructed under the assumption of existence of a strong completely separable MAD system. It is then constructed under the assumption  $\mathfrak{s} \leq \mathfrak{b}$  where  $\mathfrak{s}$  is the splitting number and  $\mathfrak{b}$  is the bounding number.