

RMF úkol č. 7

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1 př č. 2

$$\begin{aligned}(\mathcal{F}_x[\delta(x, y)](\xi, y), \varphi(\xi, y)) &= (\delta(x, y), \mathcal{F}_x[\varphi(\xi, y)](x, y)) = (\delta(x) \otimes \delta(y), \mathcal{F}_x[\varphi(\xi, y)](x, y)) = \\&= (\delta(y), (\delta(x), \mathcal{F}_x[\varphi(\xi, y)](x, y))) = (\delta(y), (\mathcal{F}_x[\delta(x)](\xi), \varphi(\xi, y))) = (\delta(y), (1(\xi), \varphi(\xi, y))) = \\&= (\delta(y) \otimes 1(\xi), \varphi(\xi, y))\end{aligned}$$

$$\mathcal{F}_x[\delta(x, y)](\xi, y) = \delta(y) \otimes 1(\xi) \tag{1}$$