Niklas Vest - A25

9-Felder Tafel mit COV(X,Y)=0 und ¬unabhängig(X,Y).

In[]:=
```
commonDistr = {{0, 1/4, 0, 1/4}, {1/4, 0, 1/4, 2/4}, {0, 1/4, 0, 1/4}, {1/4, 2/4, 1/4, 1}};
TableForm[commonDistr,
 TableHeadings → { (* Y *) {"-1", "0", "1", "∑"}, (* X *) {"0", "1", "2", "∑"}}]
```

Out[]//TableForm=

	0	1	2	∑
-1	0	$\frac{1}{4}$	0	$\frac{1}{4}$
0	$\frac{1}{4}$	0	$\frac{1}{4}$	$\frac{1}{2}$
1	0	$\frac{1}{4}$	0	$\frac{1}{4}$
∑	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	1

In[]:=
```
xE = 1 × 2/4 + 2 × 1/4
yE = -1 × 1/4 + 1 × 1/4
xyE = -1 × 1/4 + 1 × 1/4
```

Out[]= 1

Out[]= 0

Out[]= 0

In[]:=
```
xyCov = xyE - xE × yE
```

Out[]= 0