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1
seitdem
1891
ist
die
Bundesrepublik
Deutschland

If the product is 3-digit
A can't be 1 if the product is 3-digit
But A can't be 1 if the product is 3-digit

the force
A man's
choice
to be
a force
for
good

1001st

• A and B stands for 2 different digits

1

A

X

A

1

B

1

求 B

- A and B stands for 2 different digits

$$\begin{array}{r} & 1 & A \\ \times & & A \\ \hline 1 & B & 1 \end{array}$$

- A is either 1 or 9
- But A can't be 1 if the product is 3-digit
- Therefore A must be 9
- B must be 7

求 D

$$\begin{array}{r} & 1 & A & B & 4 \\ \times & & & & C \\ \hline 1 & 0 & 7 & 4 & D \end{array}$$

i. 5
ii. 6
iii. 4
iv. 3