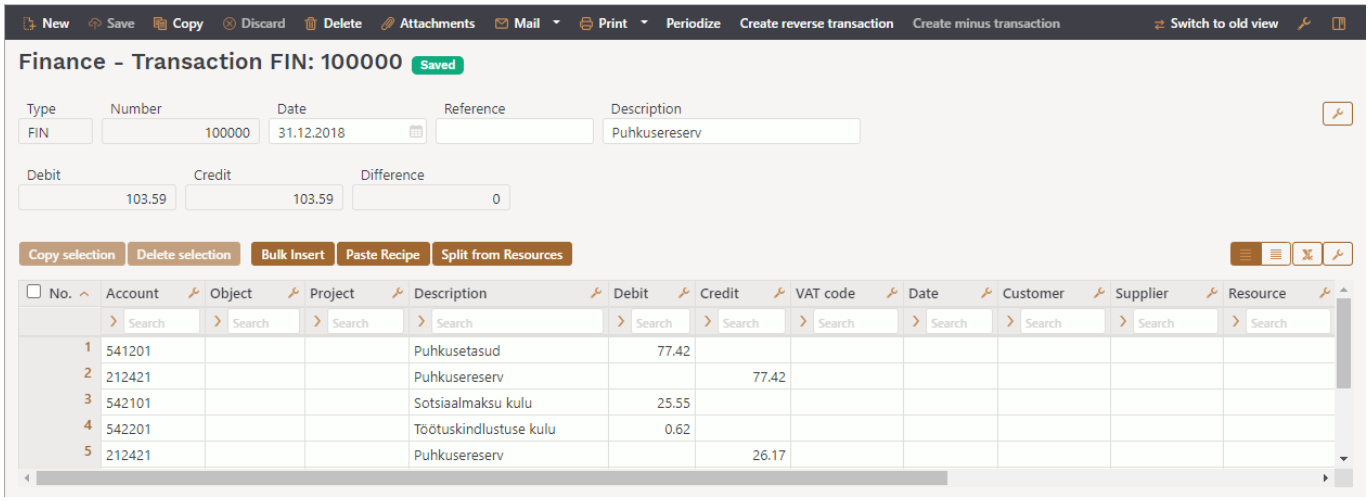
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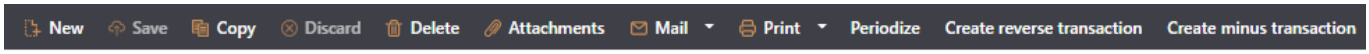
Transaction

Transactions in Directo are usually generated automatically as a result of the confirmation of the original document. If necessary, transactions can be created manually.
The register of transactions is located at `Finance → Transactions`.
Directo allows to create both simple and compound sentences. One transaction can have 1 or many debit and credit sides. Transaction must be balanced (debit=credit), so that it can be saved.



1. Transaction buttons

1.1. Header buttons



- **New** - opens a new unfilled transaction.
- **Save** - saves transaction.
- **Copy** - makes a copy of the transaction. It means opens a new transaction with fields filled in the same way as the base transaction.
- **Discard** - the button is active when the entry is in draft status (an unsaved changes has been made to the transaction). After pressing the Discard button, the unsaved changes will be removed and the transaction will be in saved status.
- **Delete** - deletes the transaction. Asks in advance if you are sure you want to delete.
- **Attachments** - allows to attach files to the transaction.
- **Mail** - allows to send the transaction via email.
- **Print** - prints transaction.
- **Open original** - opens the original document. For example on transaction with type PUR, it opens purchase invoice.
- **Periodize** - periodizes the transaction.
- **Create reverse transaction** - creates new financial transaction based on the existing transaction, where debit and credit turnovers are switched. An „Reverse Transaction” with a reference to the original transaction is automatically placed to the description of the new financial transaction.
- **Create minus transaction** - creates new financial transaction based on the existing transaction, where the signs for the accounts turnovers are reversed. An „Minus Transaction”

with a reference to the original transaction is automatically placed to the description of the new financial transaction.

1.2. Row buttons



- **Copy selection** - copies the selected rows to the copy buffer. To select rows, press on the row number. The button is not active if no rows are selected. Copied rows can be pasted from the row context menu (opens when you right-click on the line number) with „paste rows".
- **Delete selection** - deletes the selected rows. To select rows, press on the row number. The button is not active if no rows are selected.
- **Bulk insert** - allows to fill/place rows based on a spreadsheet (mostly excel). The order in which the columns should be is listed in the HELP under the Bulk insert button.
- **Paste recipe** - to place a recipe.
- **Split from Resource** - divides the rows marked with the resource number (the resource must be verified) by the rows of the corresponding resource. The amount is divided by the quantities of resource rows. Object, project, customer, and supplier from the resource rows are placed on the transactions rows.
-  - these buttons affect the height of the rows.
-  - for exporting table or selected rows to Excel.
-  - from this button transaction row fields can be selected and unselected. Only selected fields are displayed on transaction.

2. Transaction fields

2.1. Header fields

The fields on transactions header are selectable and the locations can be changed from  button .

- **Type** - indicates the type of transaction. Only FIN type of transactions can be created with the Add new button. In other cases, these are transactions from the subsystem, for example the type of entry that occurs when an invoice is confirmed is an INVOICE.
- **Number** - transactions number.
- **Date** - transactions date. Can be entered using the calendar by clicking on the calendar icon.
- **Reference** - location reference. For example, a sales invoice is created from location: Tartu, then a reference to Tartu appears in the invoice transaction.
- **Description** - explanation of the transaction.
- **Debit** - computational field. Total debit turnover for transaction rows.
- **Credit** - computational field. Total credit turnover for transaction rows.
- **Difference** - computational field. The difference between debit and credit. Transaction can be saved only if it is balanced and the difference is 0.

- **Company** - used in group consolidation bases.

2.2. Row fields

The columns of the table of financial transaction rows are selectable and the locations can be changed, you can read more about it from here.

- **Account** - financial account.
- **Object** - related object(s) in other words financial dimension(s).
- **Project** - project code. Used for linking to a specific project.
- **Description** - explanation of the row. Name of the account is entered here automatically when account is placed. If an account is entered later or needs to be changed, but description shouldn´t be overwritten with the account name, then `System settings> Purchase invoice and expense document account placing takes description always from account` should be set to no.
- **Debit** - debet row amont. Double-clicking on the debit field will place the balance of the account on the row (with the time of the transaction).
- **Credit** - credit row amount. Double-clicking on the credit field balances the entry.
- **VAT code** - VAT code.
- **Date** - row date. If empty, the date of the header applies to the row.
- **Customer** - customer code.
- **Supplier** - supplier code.
- **Resource** - resource number. Must be filled to divide row with „Split from Resources” button.
- **Cur. Debit** - debit * rate.
- **Cur. Credit** - credit * rate.
- **Currency** - row currency.
- **Rate** - row currency rate. Placed automatically when placing the currency (if the currency and currency rate are in the base).
- **Qty** - row quantity.
- **PID** - purchase ID field, appears if the system setting 'Fiscal Transactions have PID', is YES.

3. Periodization of the transaction (NEW DESIGN)

The periodization functionality of the transaction allows to periodize the financial transaction, i.e. distribute the amount over a longer period.

Only works on the new design transaction.

3.1. Periodization methodology

Periodization is based on two rules: **monthly periodization** and **daily periodization**.

Monthly periodization - period is divided into months and all the periodized parts are equal.

Monthly periodization applies if applies the formula: periodization end date + 1 = periodization start date. Periodization period can be divided into full months. These periods are for example:

Example A: 01.02.2019-31.01.2020 (31. + 1 = 1. day) and the period is divided exactly into 12 months;

Example B: 20.02.2019-19.12.2019 (19. + 1 = 20th day) and the period is divided exactly into 10 months. ⇒ (01.03. until 30.11 = 9 months) + (20.02 until 28.02.2019 = 1/3 months) + (01.12 until 19.12.2019 = 2/3 months) = 10 months.

If the periodized sum is 300 EUR, then in **example A** the period sum is: 300 EUR / 12 months = 25 EUR and the same sum applies to all periods.

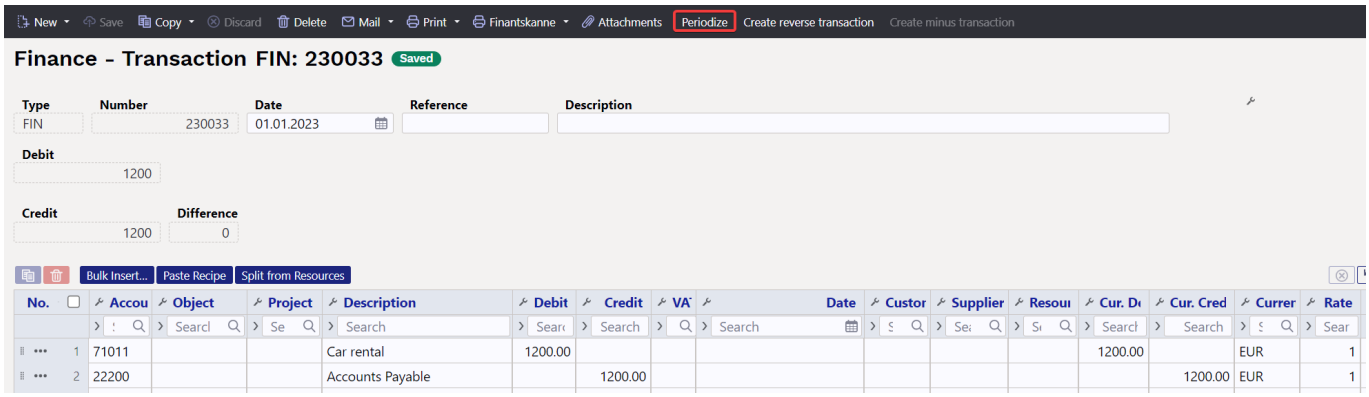
In **example B** the period sum is: 300 EUR / 10 months = 30 EUR.

- 30 EUR applies to every month in period 01.03.-30.11.2019 (9×30 EUR).
- Between the periods 20.02 -28.02.2019 and 01.12-19.12.2019, which form an additional month, 30 EUR is divided so that the first period receives its share in proportion to the days remaining in that month and is based on a 30-day month ⇒ 30/30 * 20 days = 20 EUR. The periodization balance goes to last partial month 300 - 270 - 20 = 10 EUR.

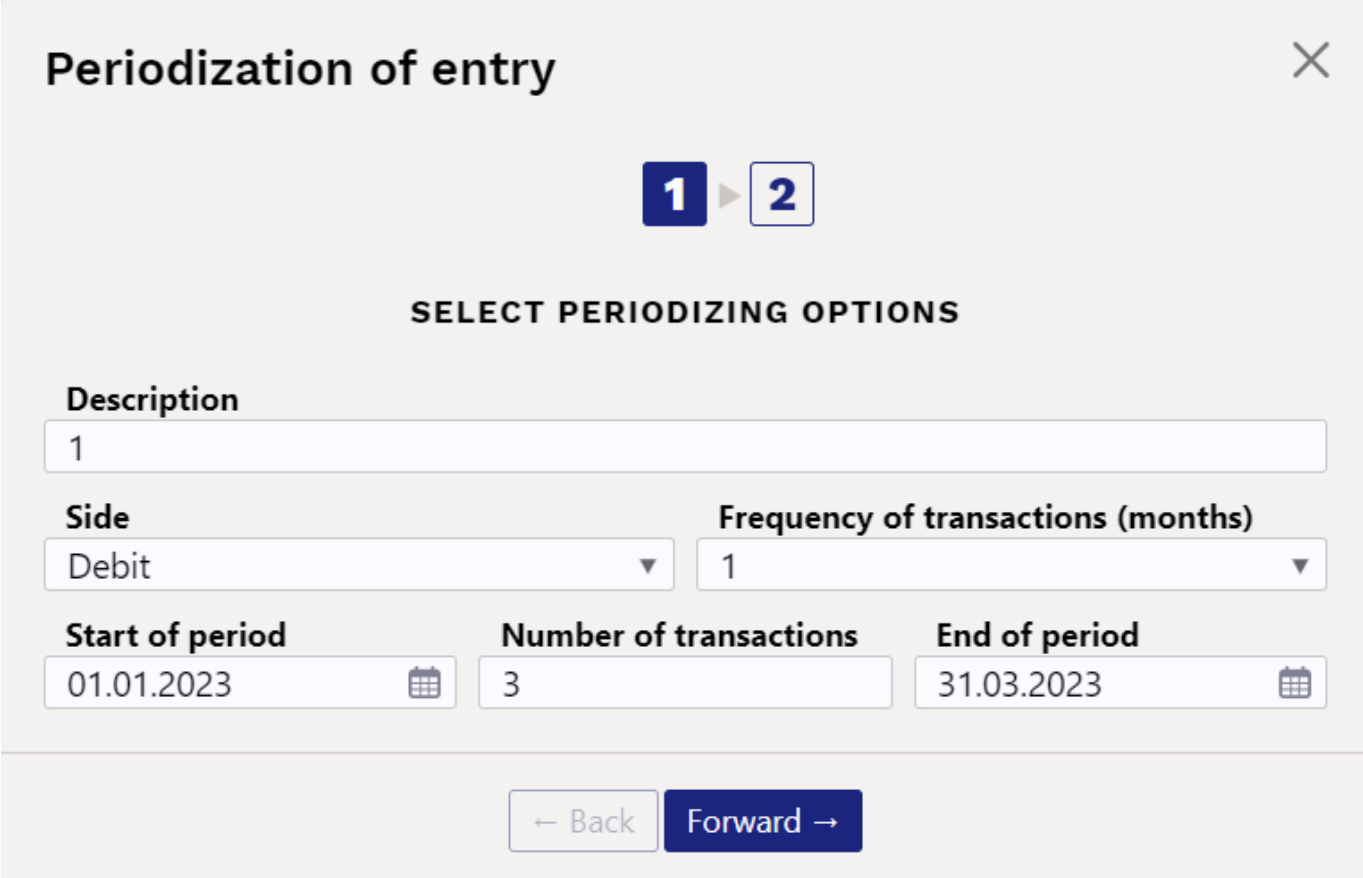
Daily periodization applies if the period is not divided into full months or the rule periodization end date + 1 = periodization start date does not apply, and as a result, all periodized parts have a different amount according to the number of calendar days in the month.

3.2. Periodization of the transaction

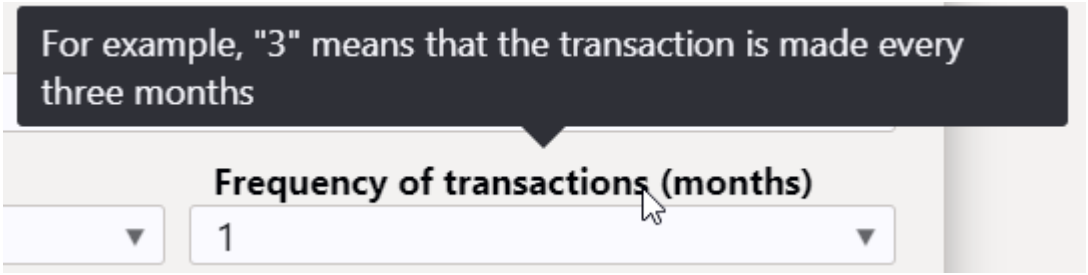
Periodization of a transaction can be started from a saved transaction by pressing the „Periodize” button in the header.



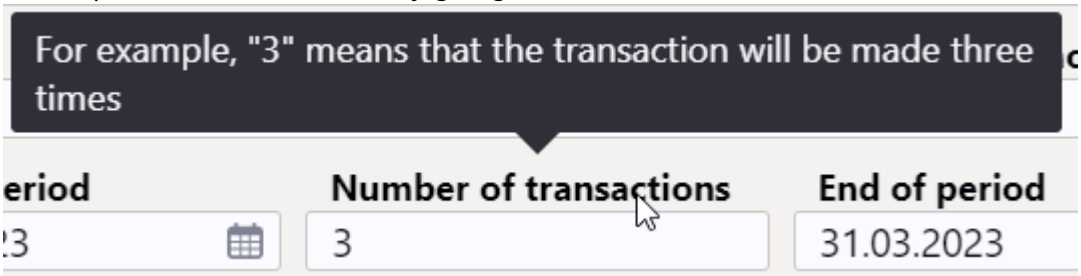
In the new design, pressing the „Periodize” button opens the first pop-up window where you can set the parameters of periodization.



- **Description** – description of the periodized transaction, with an automatically added identifier for periodization.
- **Side** – selectable from a dropdown menu, allowing you to choose, whether you want to periodize the debit or credit side.
- **Frequency of transactions (months)** – selectable from the drop-down menu between 1-12. The explanation can be seen by going to the cell with the cursor.

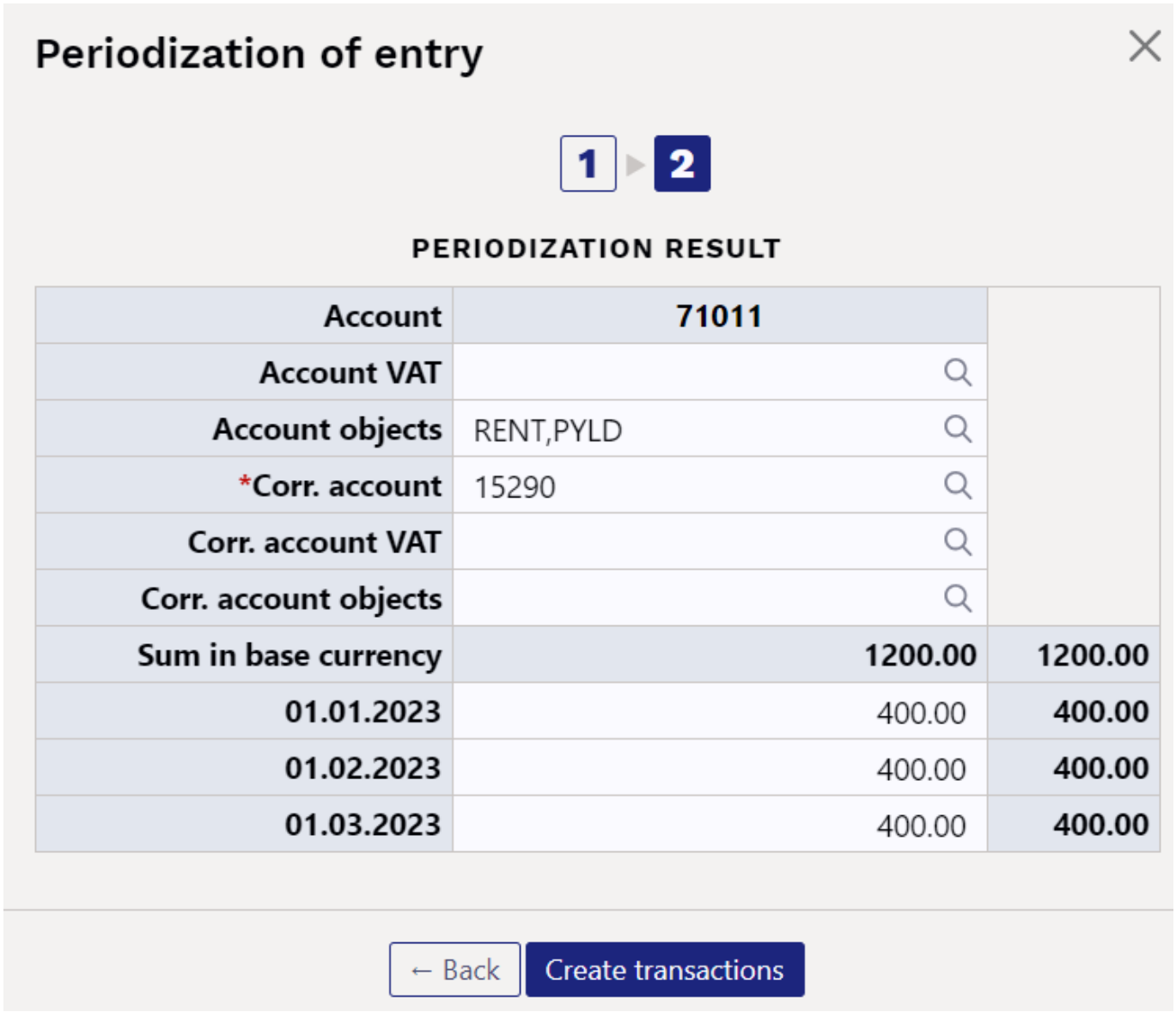


- **Start of period** – the start date of the periodization.
- **Number of transactions** – allows you to enter the number of times the transaction is made. The explanation can be seen by going to the cell with the cursor.

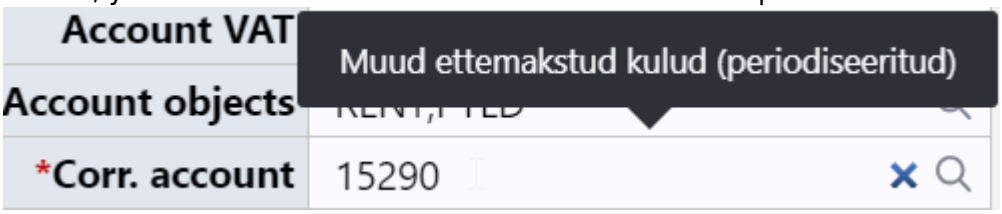


- **End of period** – the periodization end date, which comes automatically according to the number of times entered, but can also be written manually.

After filling in the parameters, press the „Forward” button below, which opens the second pop-up window:

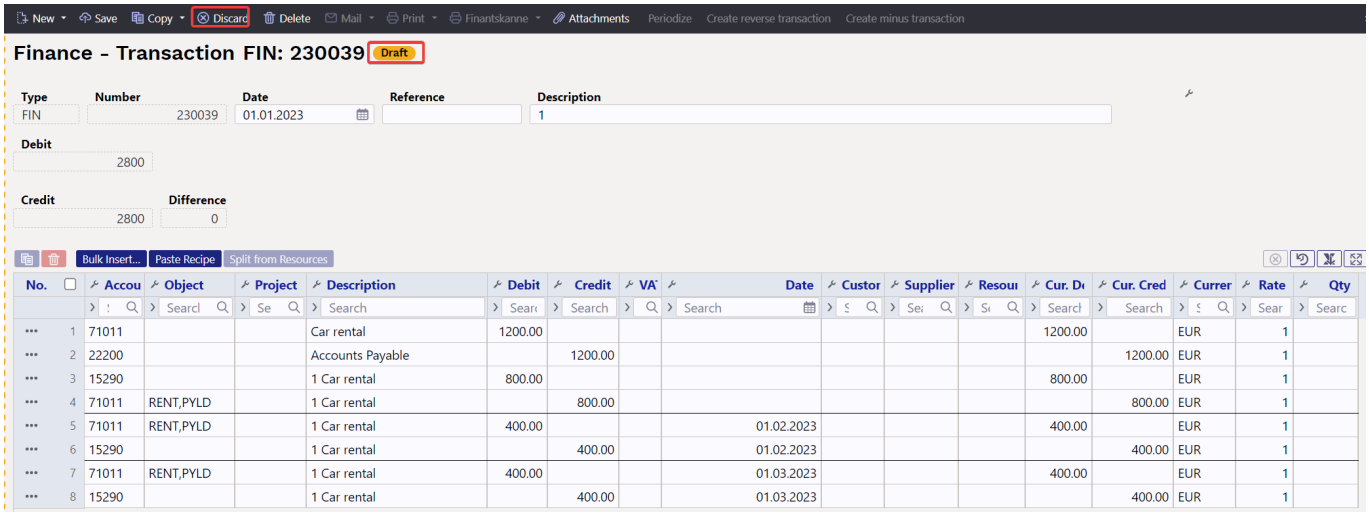


- **Account** – shows the account to be periodized (selected in the first pop-up window, whether debit or credit side is periodized).
- **Account VAT** – allows setting the VAT code for the account
- **Account objects** – allows setting objects for the account, separated by commas, which will also appear on the periodized transaction.
- ***Corr. account** – corresponding account, mandatory field. When you go to the field with the mouse, you will see the name of the account in the tooltip.

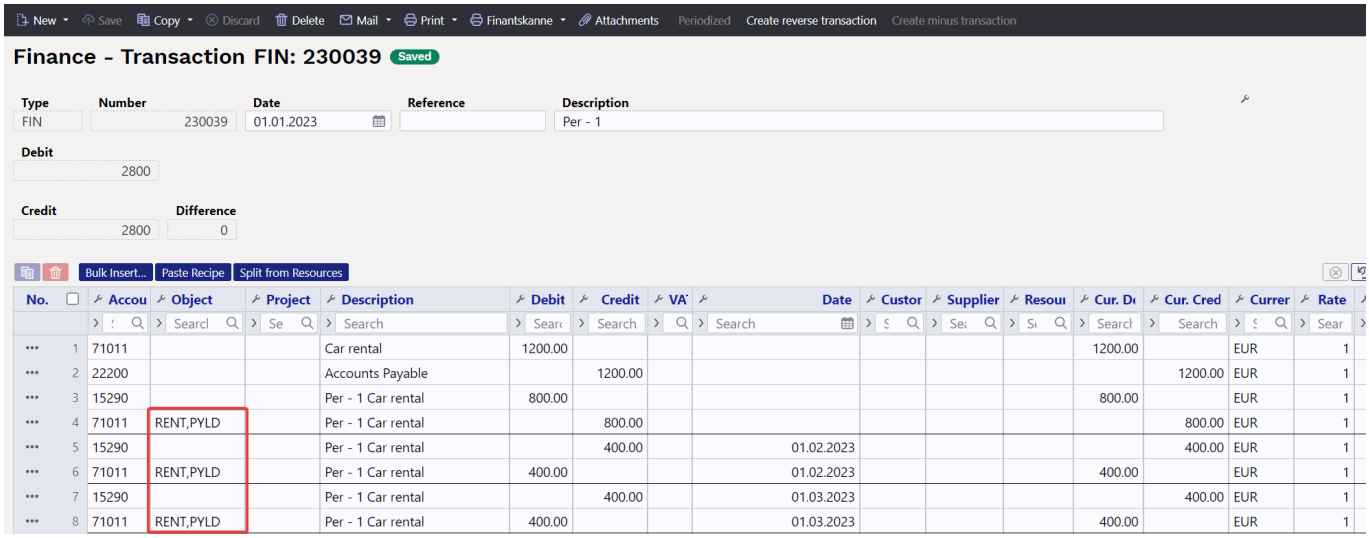


- **Corr. account VAT** – allows setting the VAT code for the corresponding account.
- **Corr. account objects** – allows setting objects for the corresponding account, separated by commas.
- **Sum in base currency** – shows the amount to be periodized.
- e.g **01.01.2023** – shows the amount to be periodized on that date; this can be manually overwritten.

Pressing the Create transactions button will create the periodized transaction, which will be in draft form in the new design. If, upon review, the result is not as desired, pressing the Discard button in the header will remove the periodized transaction lines, allowing you to start periodization again.



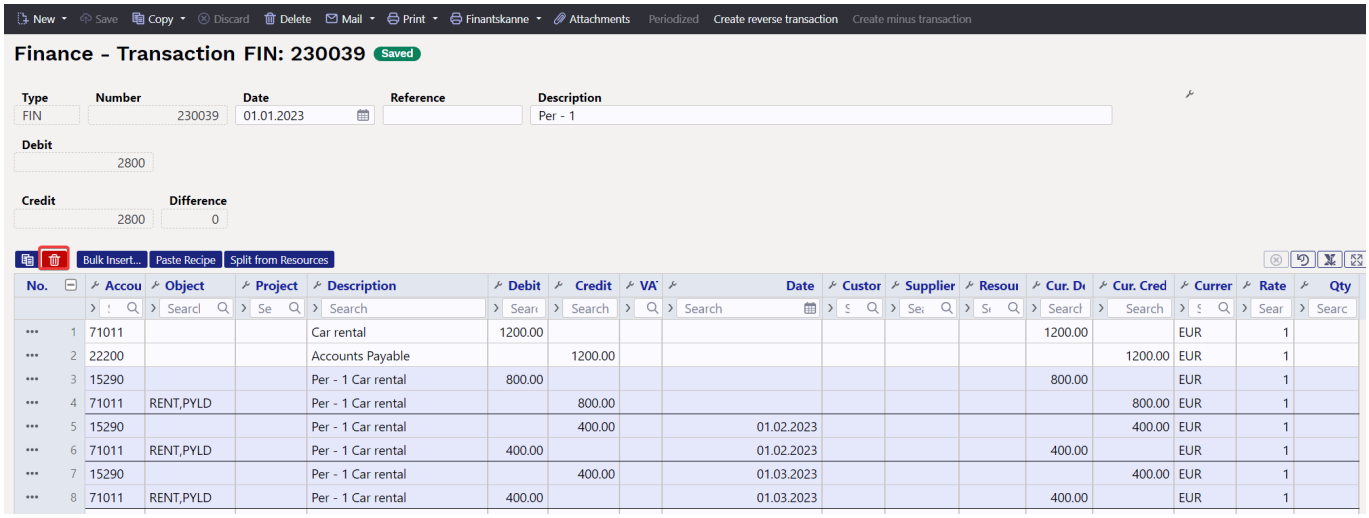
With the parameters given above, a periodized transaction is created by pressing the „Save” button in the draft form:



The periodized transaction will have different periods separated by dividing lines. The first section shows the original transaction lines with postings to the corresponding account and the subtraction of the periodized line to avoid double expenses/income.

- Line 1 and 2 – original transaction
- Line 3 – posting to the corresponding account to the extent of the balance of the amount to be periodized
- Line 4 – crediting of the expense account to be periodized, i.e. subtraction to the extent of the balance of the amount to be periodized

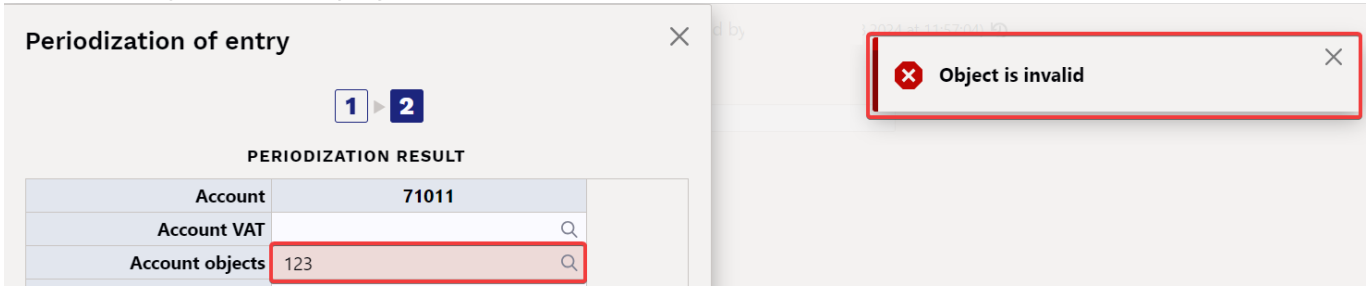
If you have already saved the transaction in draft form, it is possible to delete the lines either one by one or all at once, as a result of which the „Periodize” button in the header becomes active again and it is possible to start periodization again.



3.3 Examples:

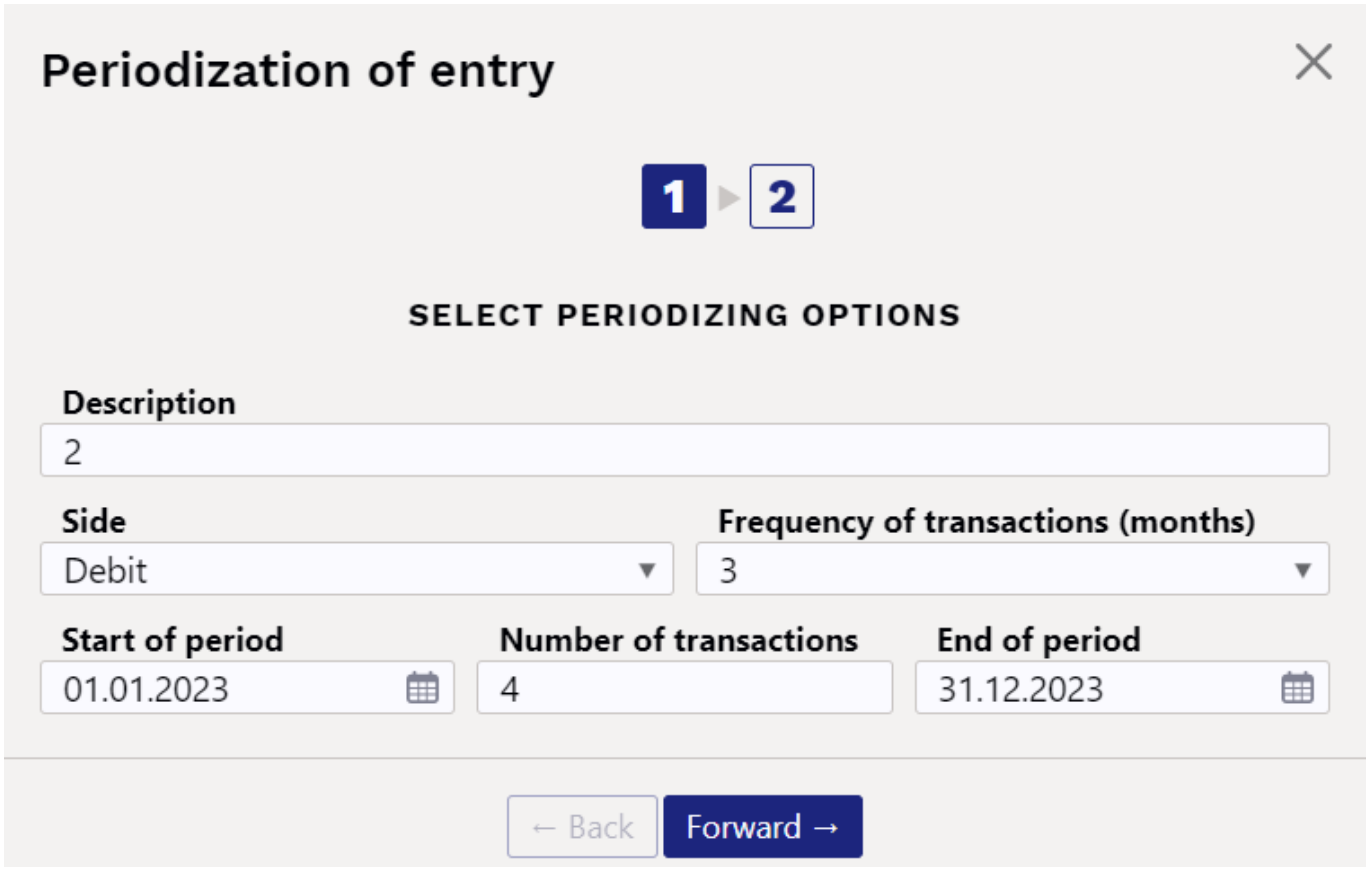
3.3.1 Entering an incorrect parameter

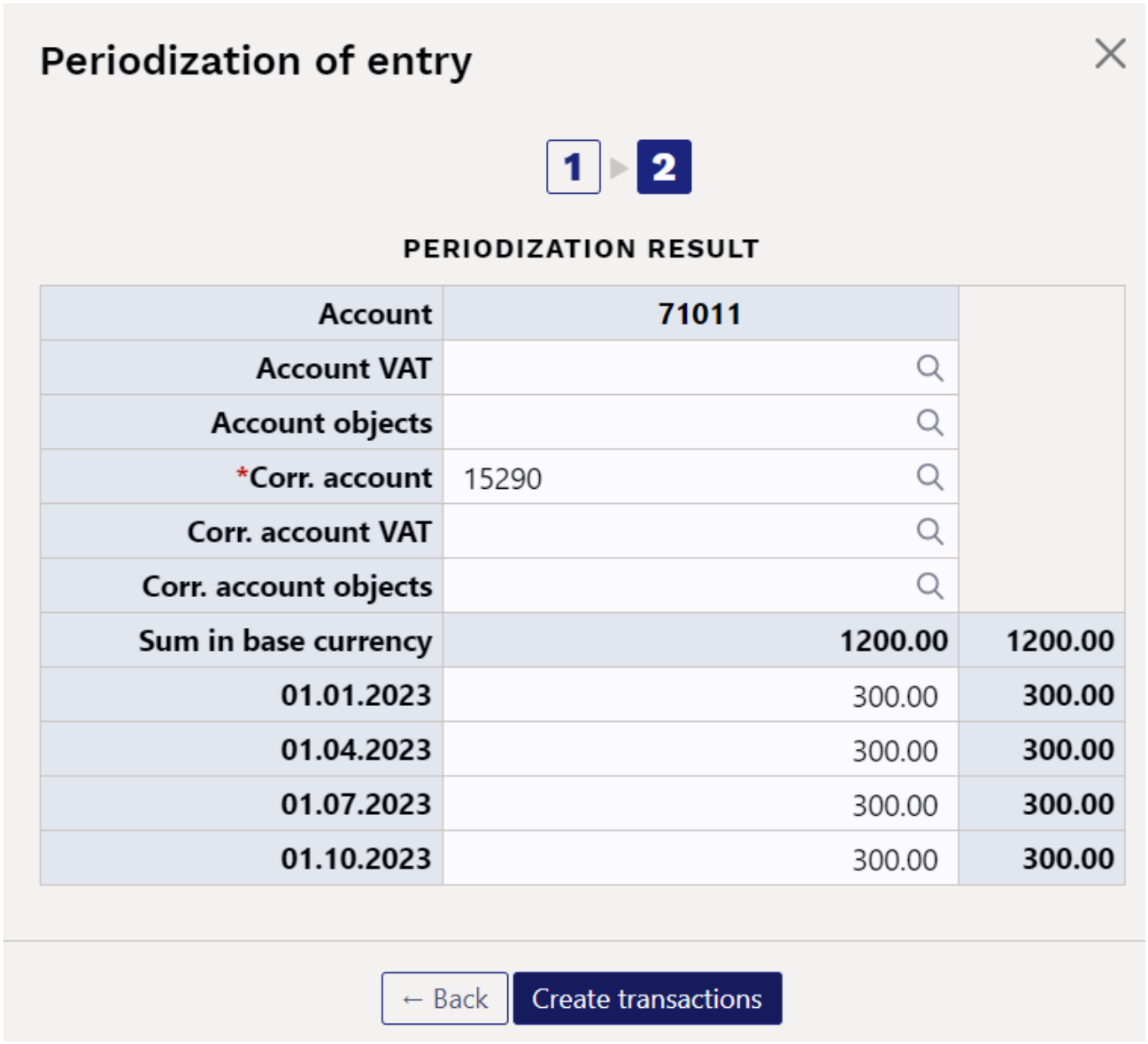
If the entered object does not exist, the box will turn red upon leaving the field, and a corresponding error message will be displayed, similar to other fields.



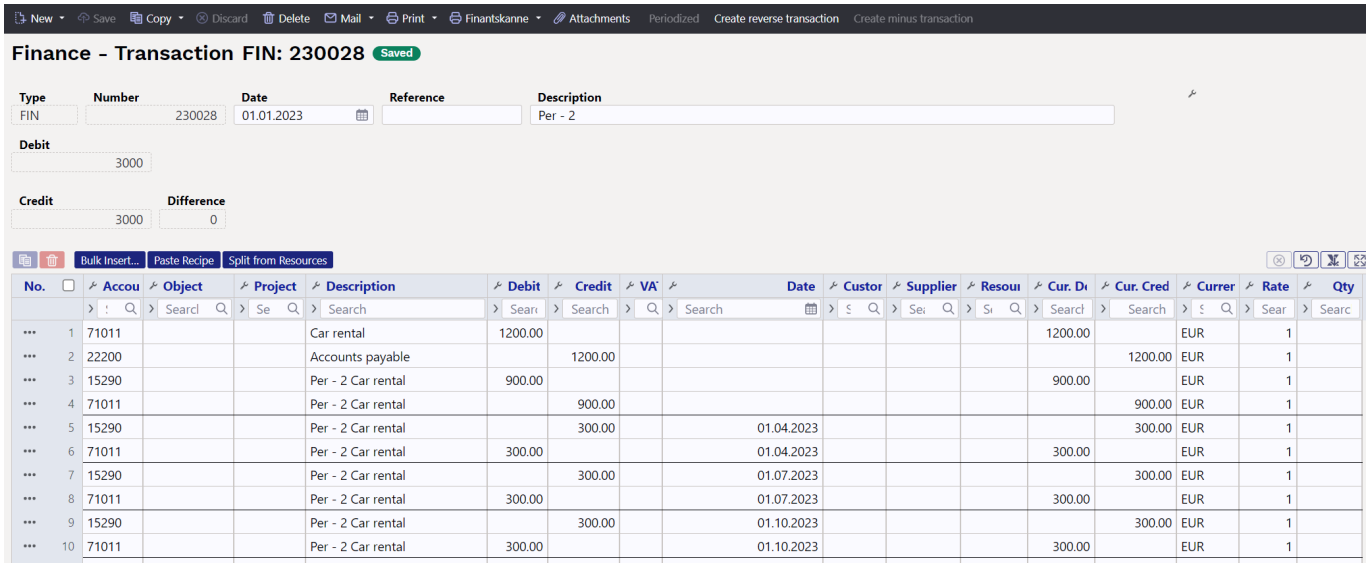
3.3.2 Periodizing a transaction once per quarter over a year

- Frequency of transactions (months) – the transaction is made every 3 months
- Number of transactions – the transaction is made 4 times

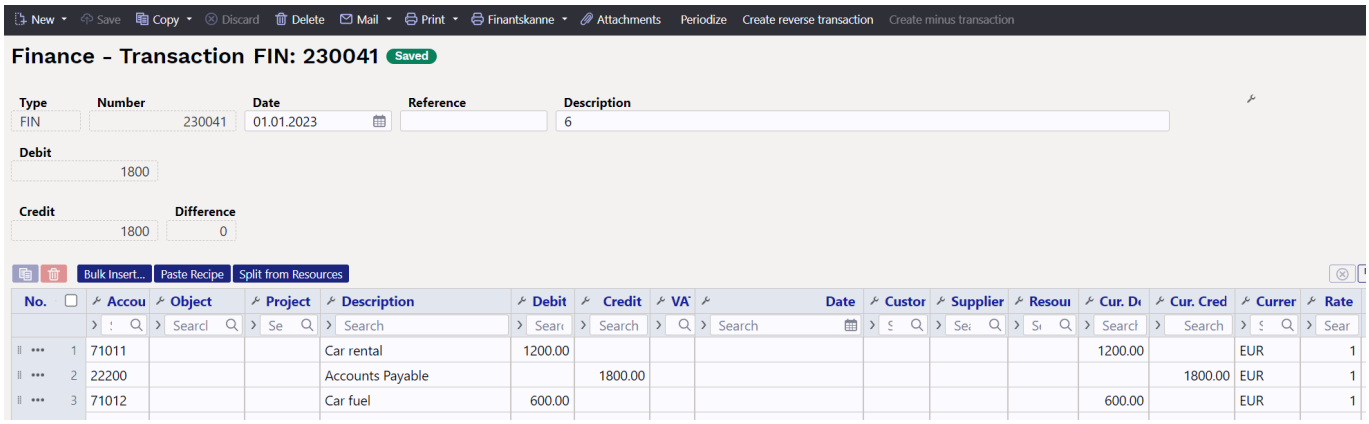

Periodization of entry
1
2
SELECT PERIODIZING OPTIONS
Description
2
Side
Debit
Frequency of transactions (months)
3
Start of period
01.01.2023
Number of transactions
4
End of period
31.12.2023
← Back
Forward →


Periodization of entry
1
2
PERIODIZATION RESULT
Account
71011
Account VAT
Account objects
*Corr. account
15290
Corr. account VAT
Corr. account objects
Sum in base currency
1200.00
1200.00
01.01.2023
300.00
300.00
01.04.2023
300.00
300.00
01.07.2023
300.00
300.00
01.10.2023
300.00
300.00
← Back
Create transactions

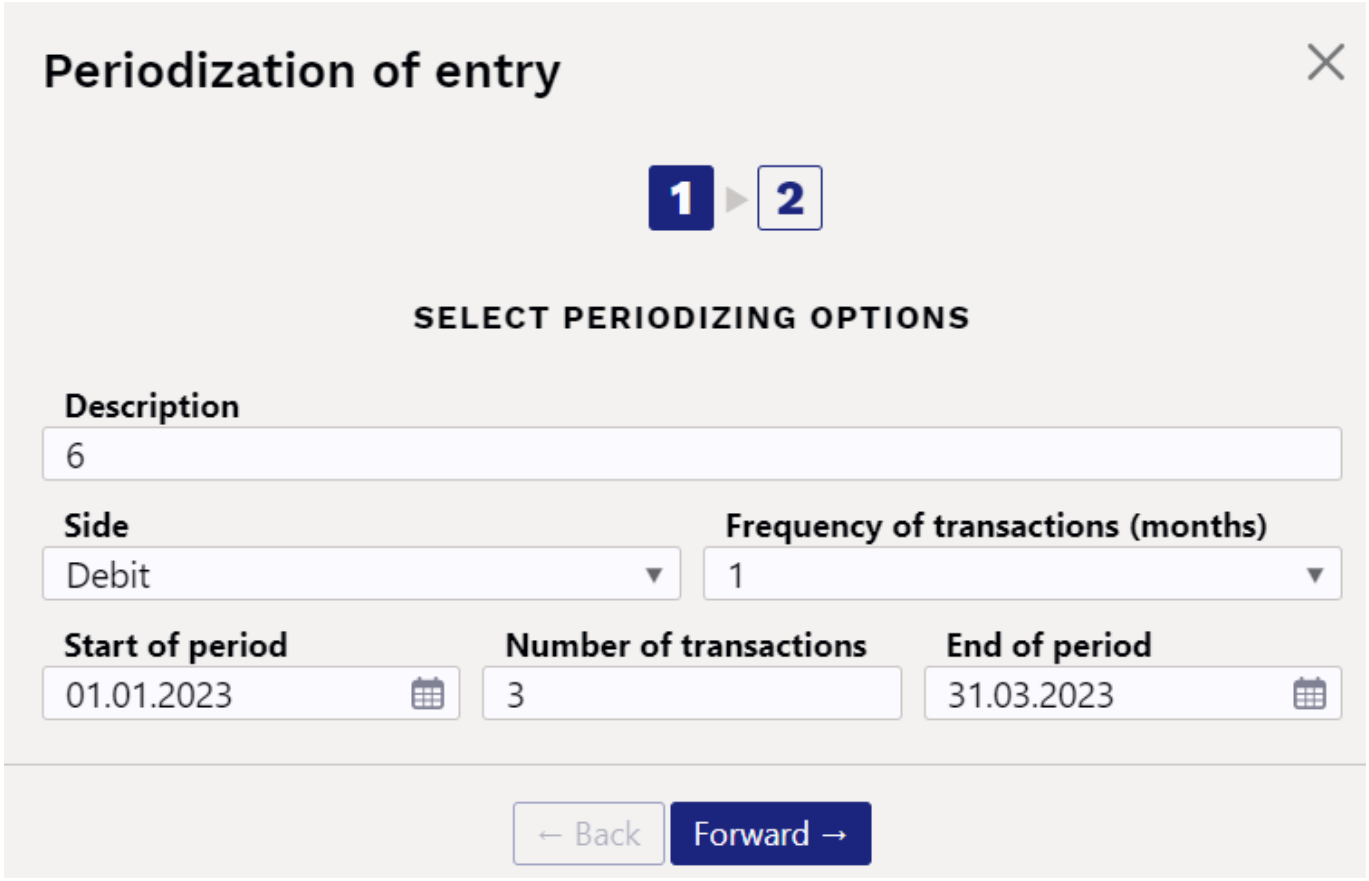
Result:

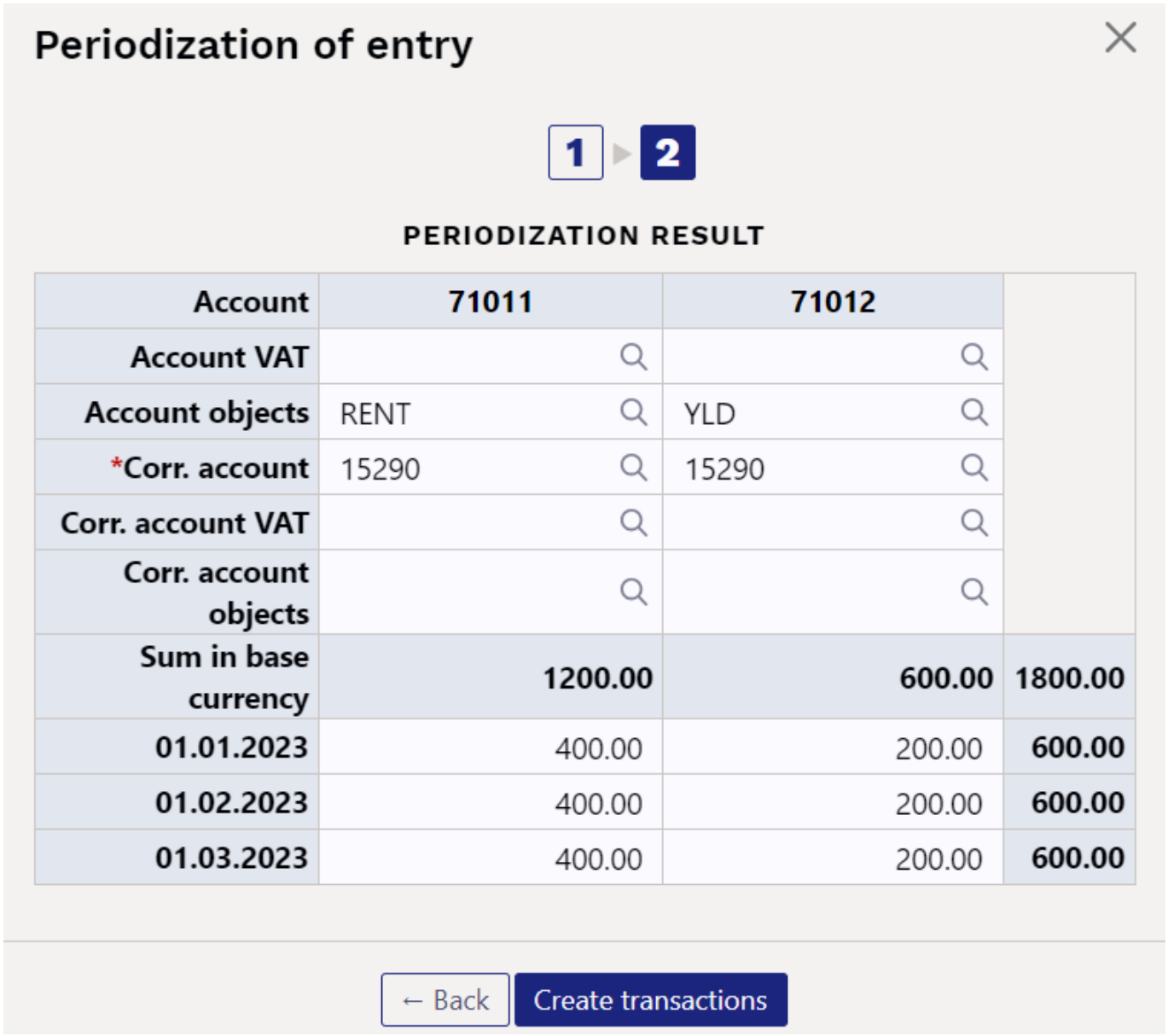

New
Save
Copy
Discard
Delete
Mail
Print
Finantskanne
Attachments
Periodized
Create reverse transaction
Create minus transaction
Finance - Transaction FIN: 230028
Saved
Type
FIN
Number
230028
Date
01.01.2023
Reference
Description
Per - 2
Debit
3000
Credit
3000
Difference
0
Bulk Insert...
Paste Recipe
Split from Resources
No.
Accou
Object
Project
Description
Debit
Credit
VA
Date
Custor
Supplier
Resour
Cur. Di
Cur. Cred
Currer
Rate
Qty
1 71011 Car rental 1200.00 1200.00 EUR 1
2 22200 Accounts payable 1200.00 1200.00 EUR 1
3 15290 Per - 2 Car rental 900.00 900.00 EUR 1
4 71011 Per - 2 Car rental 900.00 900.00 EUR 1
5 15290 Per - 2 Car rental 300.00 01.04.2023 300.00 EUR 1
6 71011 Per - 2 Car rental 300.00 01.04.2023 300.00 EUR 1
7 15290 Per - 2 Car rental 300.00 01.07.2023 300.00 EUR 1
8 71011 Per - 2 Car rental 300.00 01.07.2023 300.00 EUR 1
9 15290 Per - 2 Car rental 300.00 01.10.2023 300.00 EUR 1
10 71011 Per - 2 Car rental 300.00 01.10.2023 300.00 EUR 1

3.3.3 Periodization of multiple transaction lines



If there are more lines to be periodized, the second pop-up window shows both accounts that are periodized. If desired, different data can be assigned to them, in this example, different account objects.





Periodization of entry

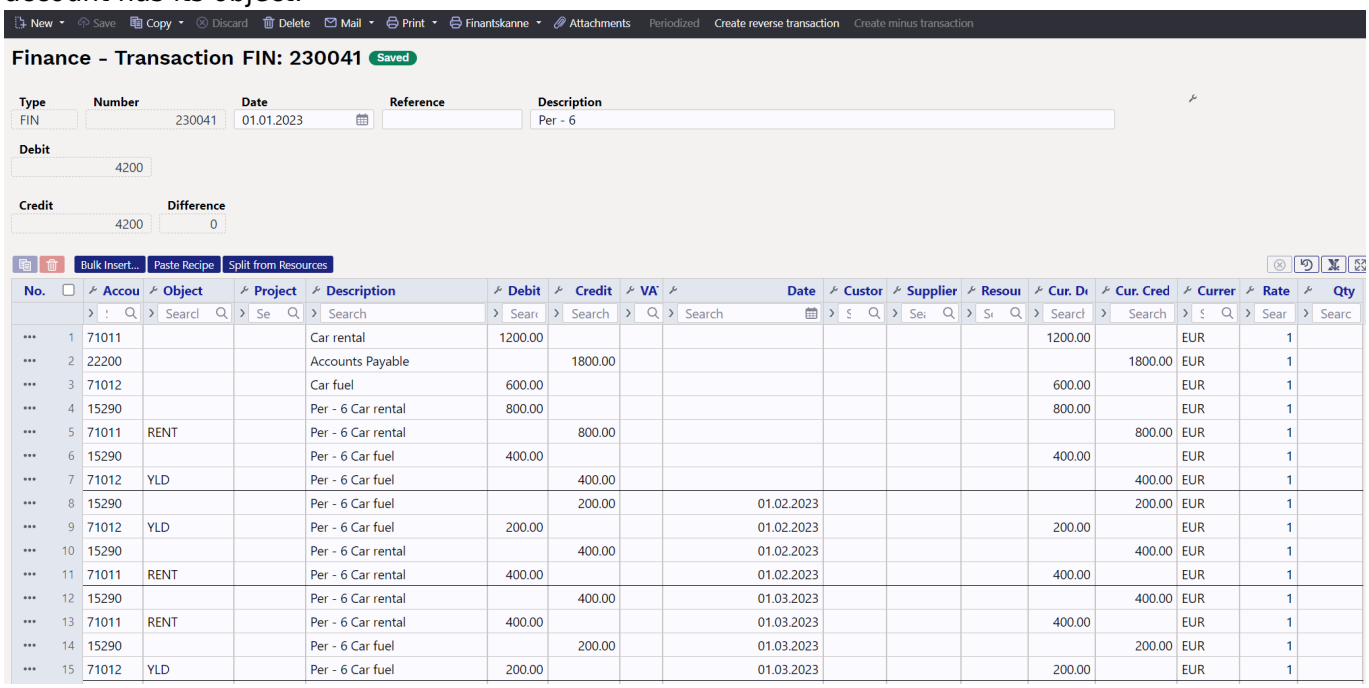
1 ▶ 2

PERIODIZATION RESULT

Account	71011	71012	
Account VAT			
Account objects	RENT	YLD	
*Corr. account	15290	15290	
Corr. account VAT			
Corr. account objects			
Sum in base currency	1200.00	600.00	1800.00
01.01.2023	400.00	200.00	600.00
01.02.2023	400.00	200.00	600.00
01.03.2023	400.00	200.00	600.00

← Back | Create transactions

Pressing “Create transactions” and “Save” generates a periodized transactions, showing that each account has its object:



New | Save | Copy | Discard | Delete | Mail | Print | Finantskanne | Attachments | Periodized | Create reverse transaction | Create minus transaction

Finance - Transaction FIN: 230041 Saved

Type	Number	Date	Reference	Description
FIN	230041	01.01.2023		Per - 6

Debit: 4200

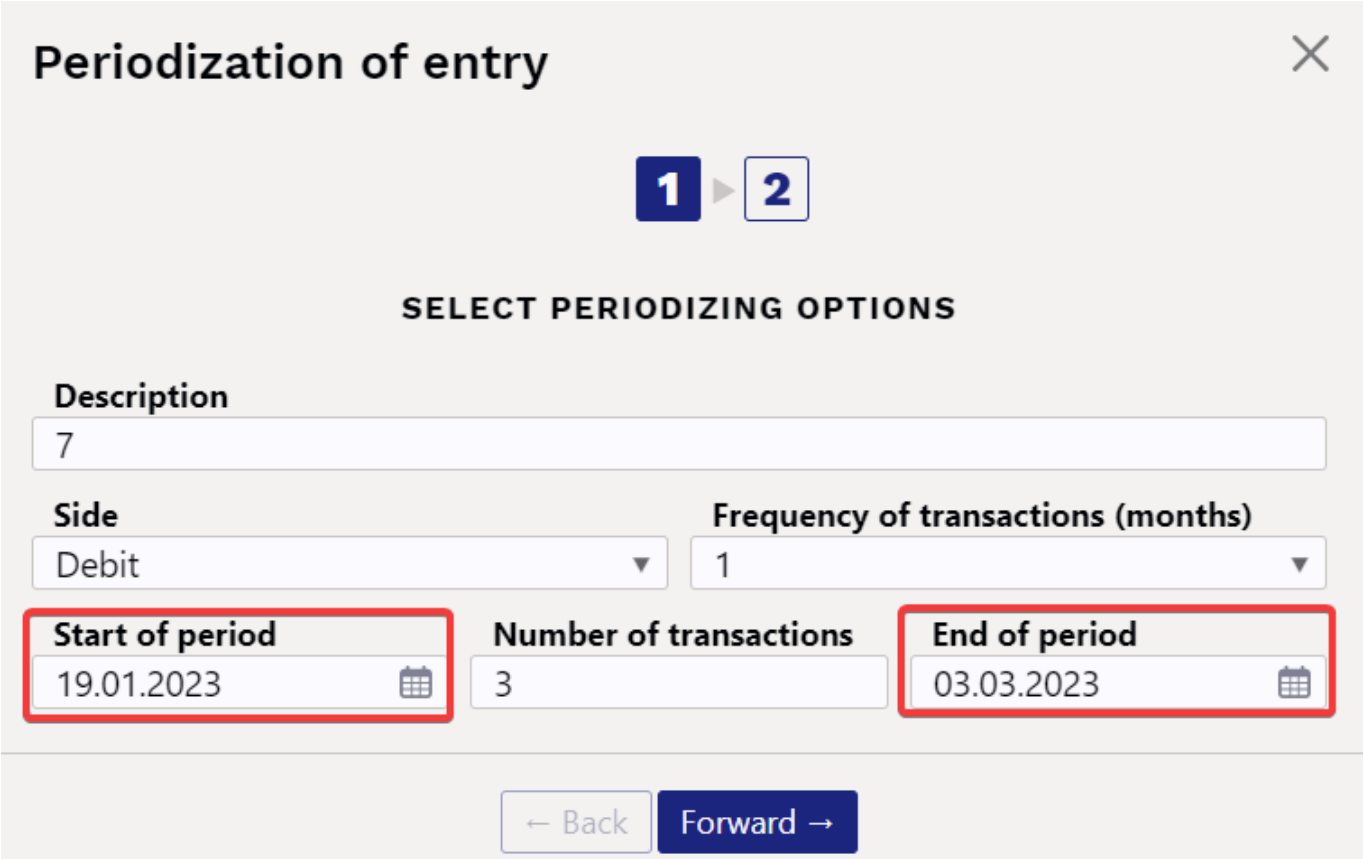
Credit: 4200 Difference: 0

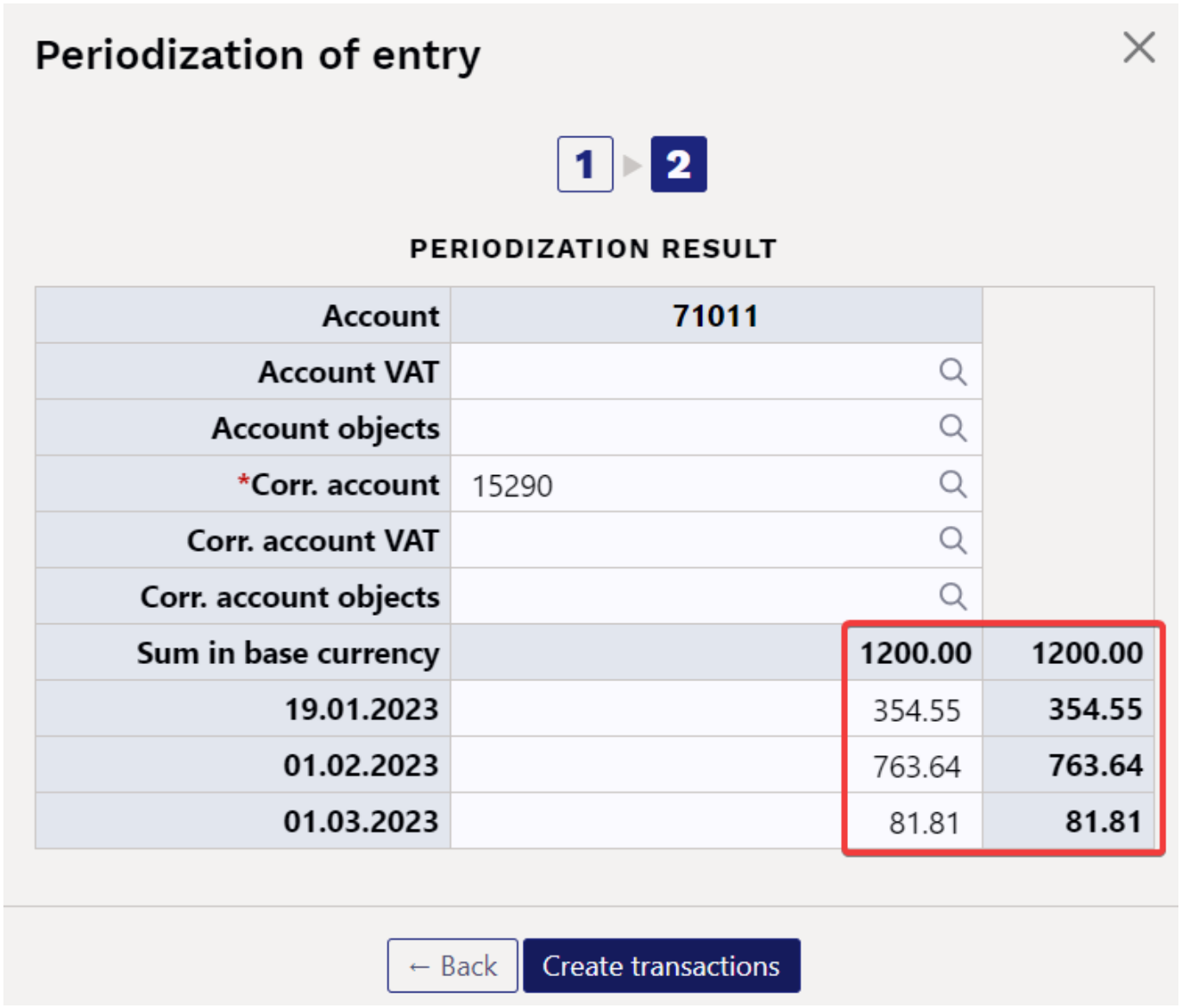
Bulk Insert... | Paste Recipe | Split from Resources

No.	Accou	Object	Project	Description	Debit	Credit	VA	Date	Custor	Supplier	Resou	Cur. Di	Cur. Cred	Currer	Rate	Qty
1	71011			Car rental	1200.00							1200.00		EUR	1	
2	22200			Accounts Payable		1800.00							1800.00	EUR	1	
3	71012			Car fuel	600.00							600.00		EUR	1	
4	15290			Per - 6 Car rental	800.00							800.00		EUR	1	
5	71011	RENT		Per - 6 Car rental		800.00							800.00	EUR	1	
6	15290			Per - 6 Car fuel	400.00							400.00		EUR	1	
7	71012	YLD		Per - 6 Car fuel		400.00							400.00	EUR	1	
8	15290			Per - 6 Car fuel		200.00		01.02.2023					200.00	EUR	1	
9	71012	YLD		Per - 6 Car fuel	200.00			01.02.2023				200.00		EUR	1	
10	15290			Per - 6 Car rental		400.00		01.02.2023					400.00	EUR	1	
11	71011	RENT		Per - 6 Car rental	400.00			01.02.2023				400.00		EUR	1	
12	15290			Per - 6 Car rental		400.00		01.03.2023					400.00	EUR	1	
13	71011	RENT		Per - 6 Car rental	400.00			01.03.2023				400.00		EUR	1	
14	15290			Per - 6 Car fuel		200.00		01.03.2023					200.00	EUR	1	
15	71012	YLD		Per - 6 Car fuel	200.00			01.03.2023				200.00		EUR	1	

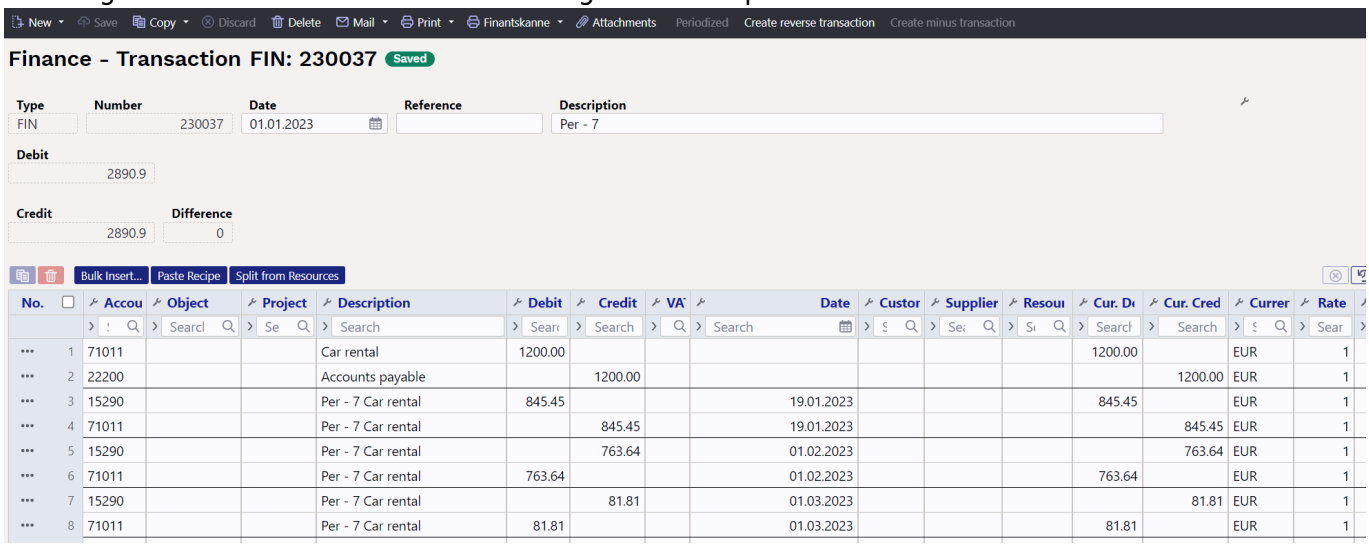
3.3.4 Daily periodization, i.e. the period amounts are not equal

In this example, the periodization range cannot be divided into whole months, and periodization takes place with daily precision. The second pop-up window shows how the amounts are calculated according to the number of days.

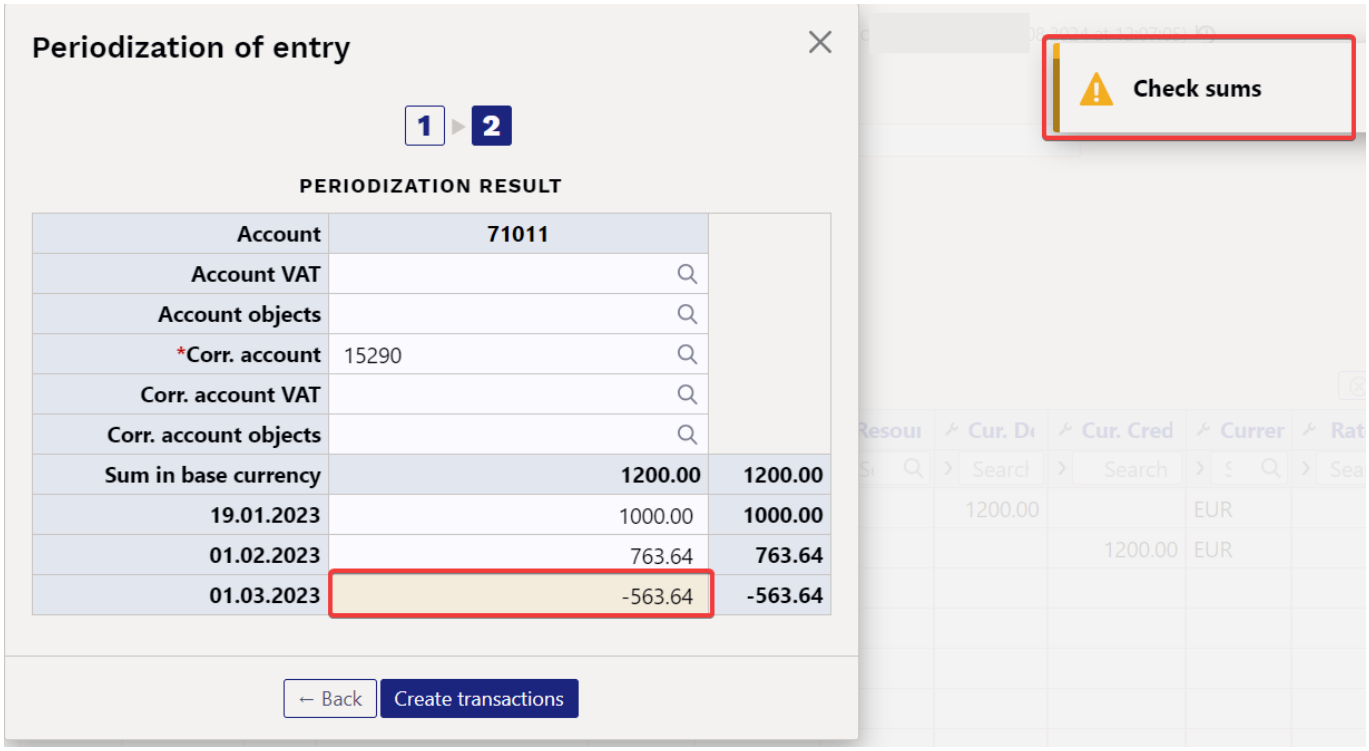




Pressing “Create transactions” and “Save” generates a periodized transaction:

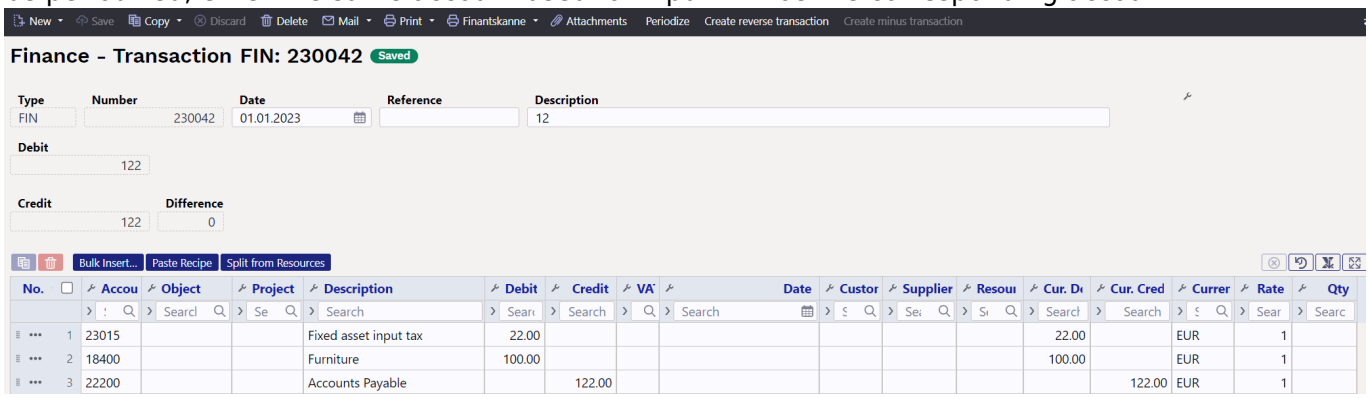


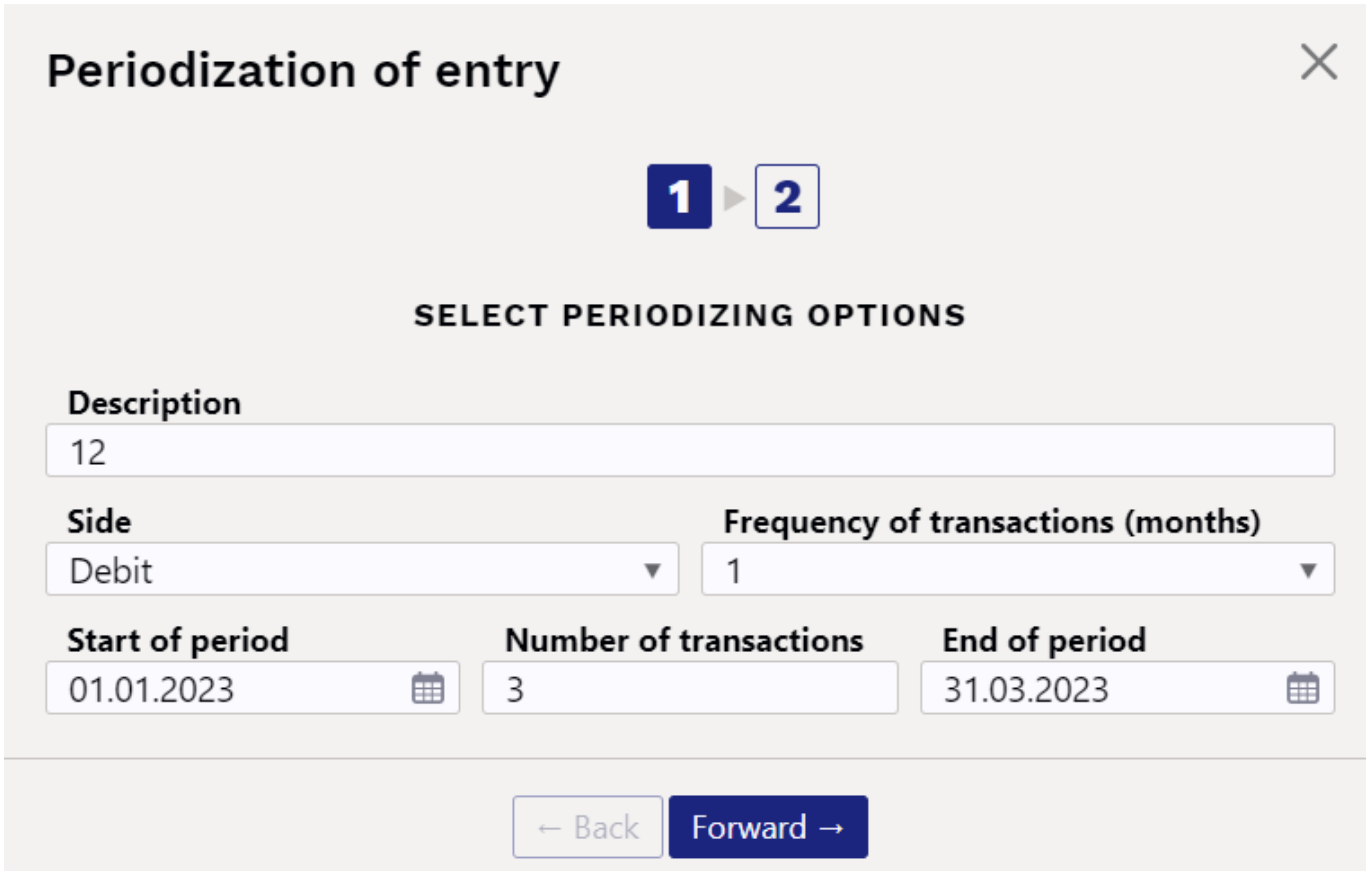
In the second pop-up window, you can manually overwrite the amounts yourself. If, for example, you manually enter 1000 in the cell for the amount of 19.01.2023, the last cell will contain the amount with a minus and the warning message „Check sums” will appear in the top right.

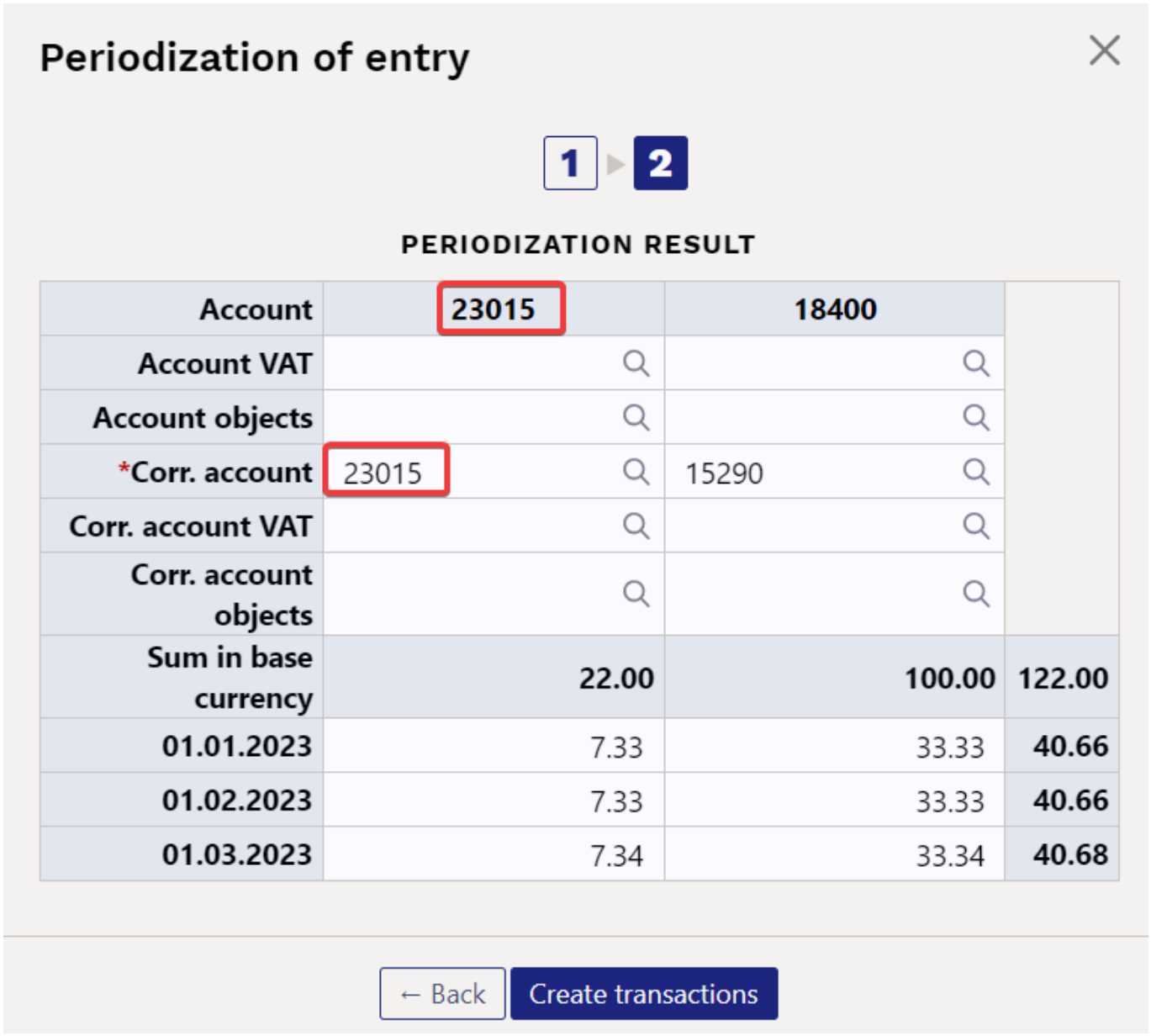


3.3.5 If there is also VAT on the transaction, but you do not want it to be periodized

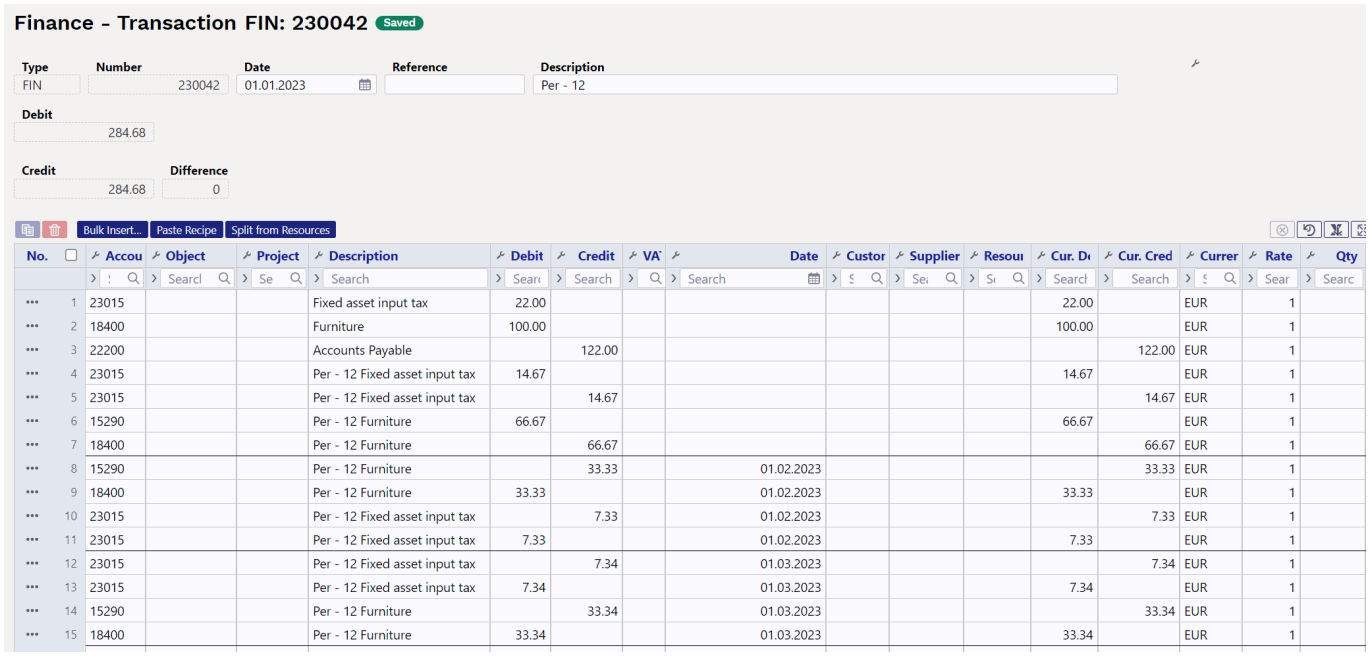
If the transaction includes VAT and you are periodizing the debit side, and you do not want the VAT to be periodized, enter the same account used for input VAT as the corresponding account.




Periodization of entry
1
2
SELECT PERIODIZING OPTIONS
Description
12
Side
Debit
Frequency of transactions (months)
1
Start of period
01.01.2023
Number of transactions
3
End of period
31.03.2023
← Back
Forward →



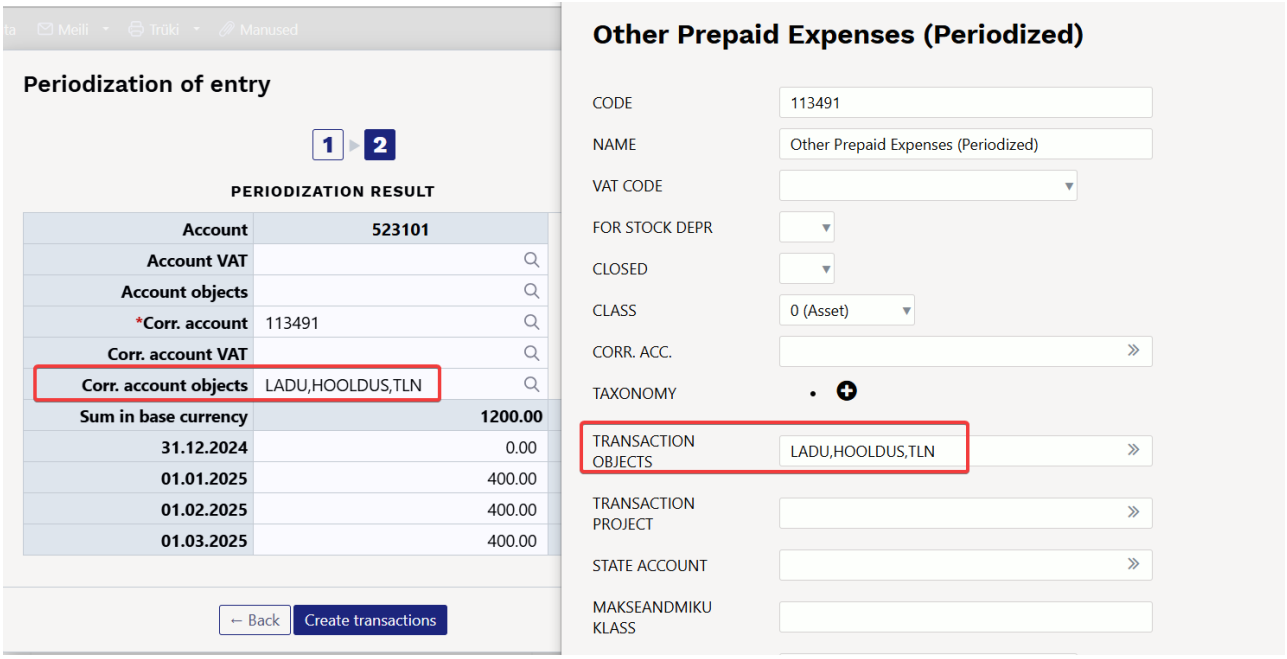
As a result, the transaction will be rotated on the same account:



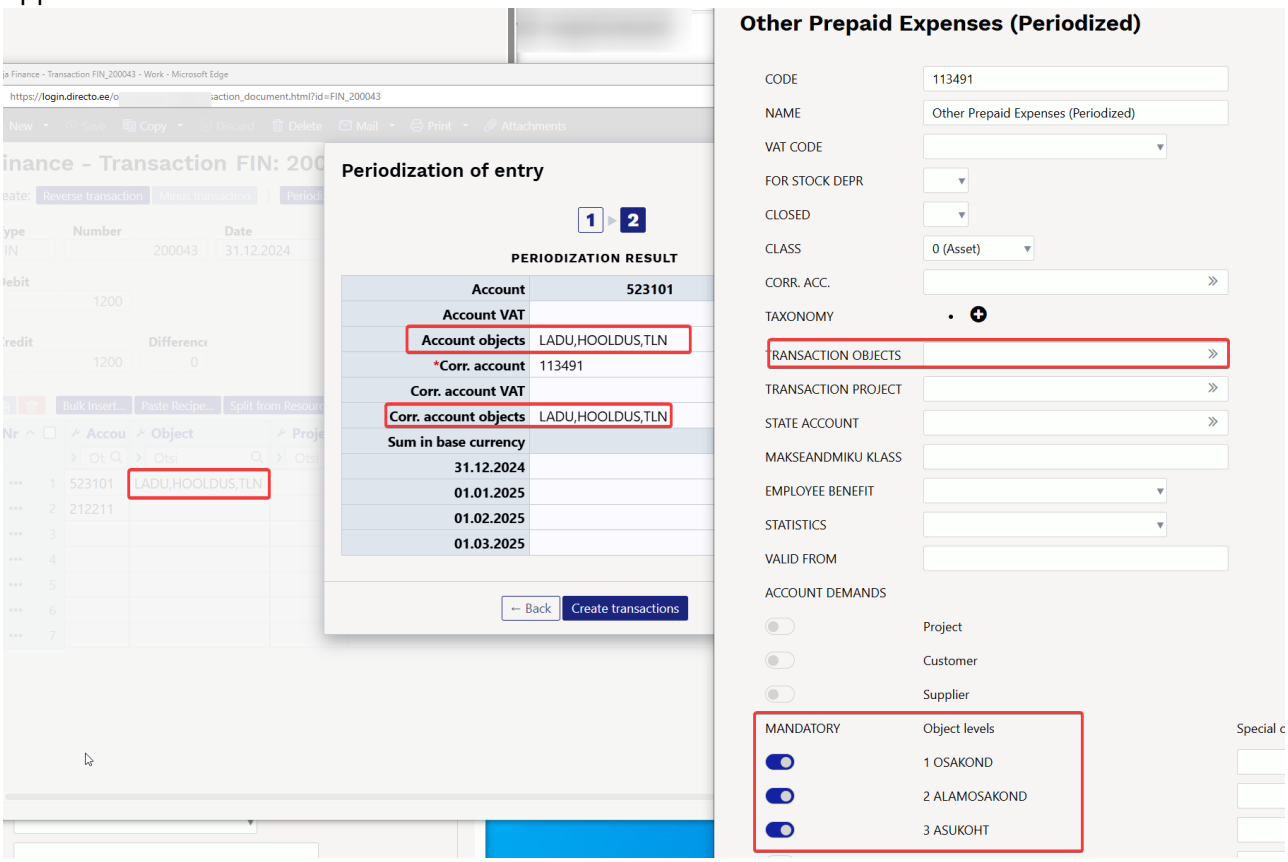
3.3.6 Object level requirement

Corr. account objects

- If the corr. account has object, the corr. account object is also in the periodization window.

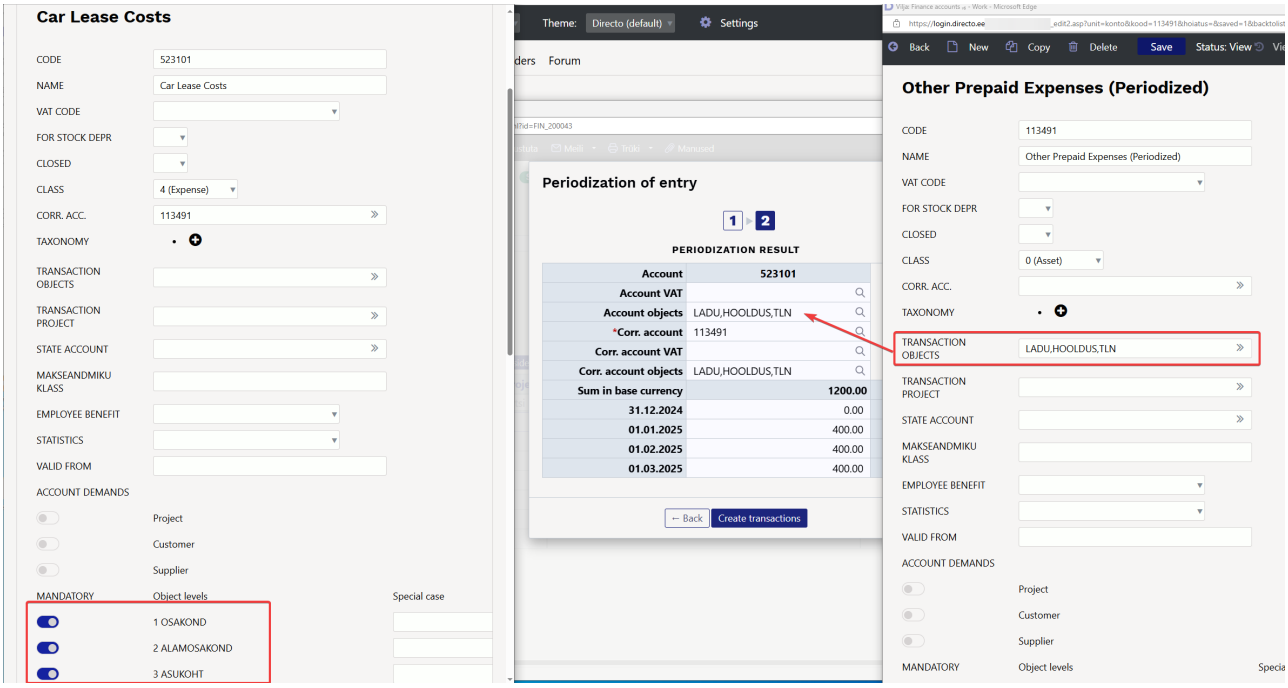


- If there is no object in the corr. account, but object levels have been set, the account object will appear in the field.



Object of account subject to periodization

- If the account is missing an object but it has object levels, the corr. account object will be placed there.



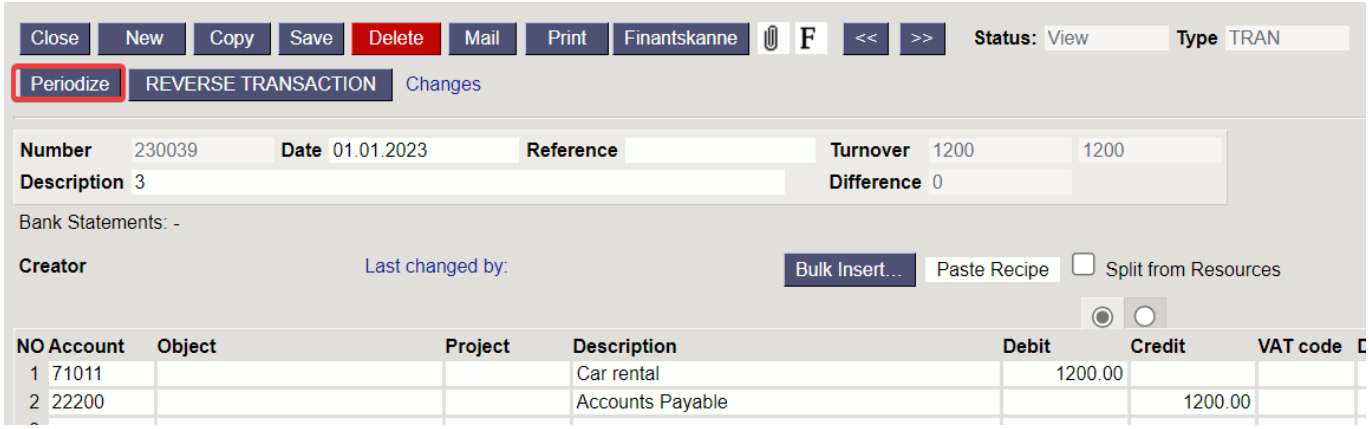
Error messages

- If the level of the object in the field does not match, the field will be red and transactions cannot be created. This also means that objects with a different level cannot be placed.
- The error field has the following explanatory tooltips:

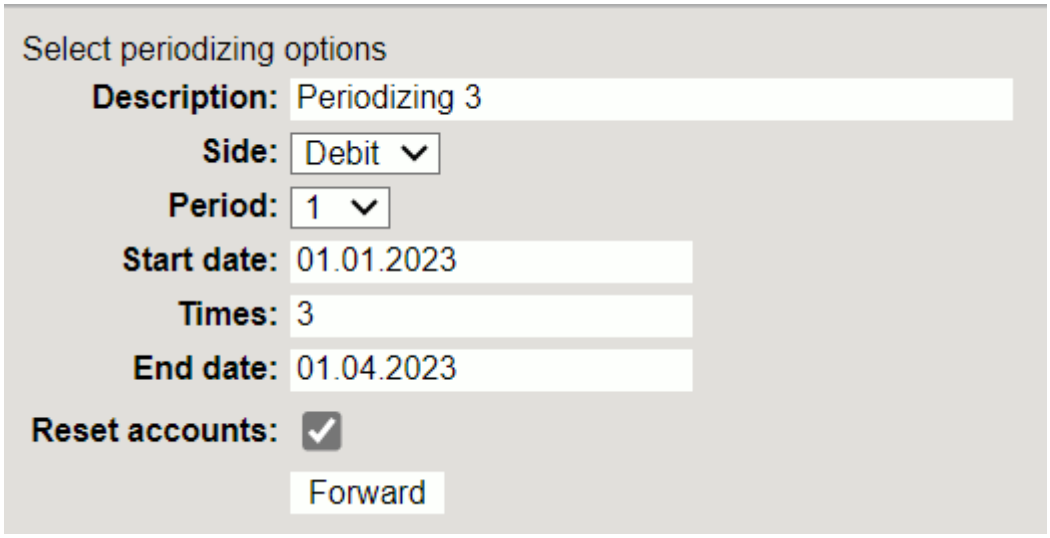
'object not found' ⇒ such an object does not exist at all 'object with required level missing' ⇒ the account has a specified level, but an object with that level has not been added 'invalid object level' ⇒ the entered object level is not allowed in the account

4. Periodization of the transaction (OLD DESIGN)

Periodization of a transaction can be started from a saved transaction by pressing the „Periodize“ button in the header.

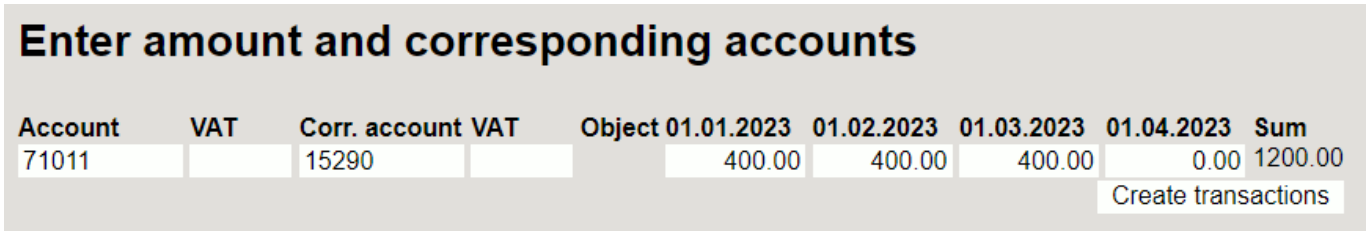


In the old design, pressing the „Periodize“ button opens the first pop-up window where you can set the parameters of periodization.

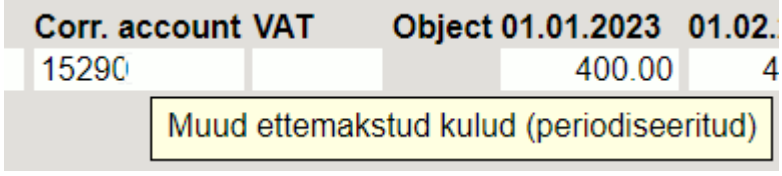


- **Description** – description of the periodized transaction, with an automatically added identifier for periodization.
- **Side** – selectable from a dropdown menu, allowing you to choose, whether you want to periodize the debit or credit side.
- **Period** – selectable from the drop-down menu between 1-12. Sets the period after which the transaction is made. For example, number 1 states that a transaction is made every month, while 12 states that a transaction is made every 12 months, i.e. once a year.
- **Start date** – the start date of the periodization.
- **Times** – allows you to enter the number of times the transaction is made.
- **End date** – the periodization end date, which comes automatically according to the number of times entered, but can also be written manually.
- **Reset accounts** – this should be ticked when expense and income accounts are periodized, so that double costs/incomes do not arise as a result of the periodized transaction.

After filling in the parameters, press the „Forward“ button below, which opens the second pop-up window:



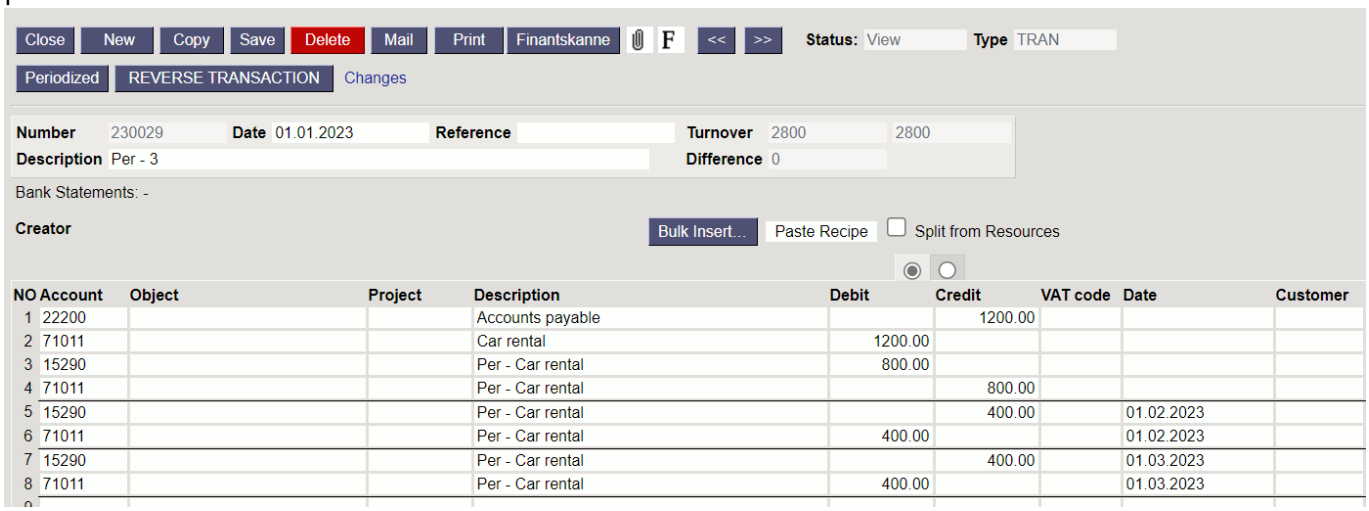
- **Account** – shows the account to be periodized (selected in the first pop-up window, whether debit or credit side is periodized).
- **VAT** – allows setting the VAT code for the account.
- **Corr. account** – corresponding account, mandatory field. When you go to the field with the mouse, you will see the name of the account in the tooltip.



- **VAT** – allows setting the VAT code for the corresponding account.
- **Object** – account objects, must be entered directly into the transaction. In the new design, you can also add on a pop-up window.

- e.g **01.01.2023** – shows the amount to be periodized on that date; this can be manually overwritten.

if „Reset accounts" is ticked, then pressing the „Create transactions" button, button will create the periodized transaction:

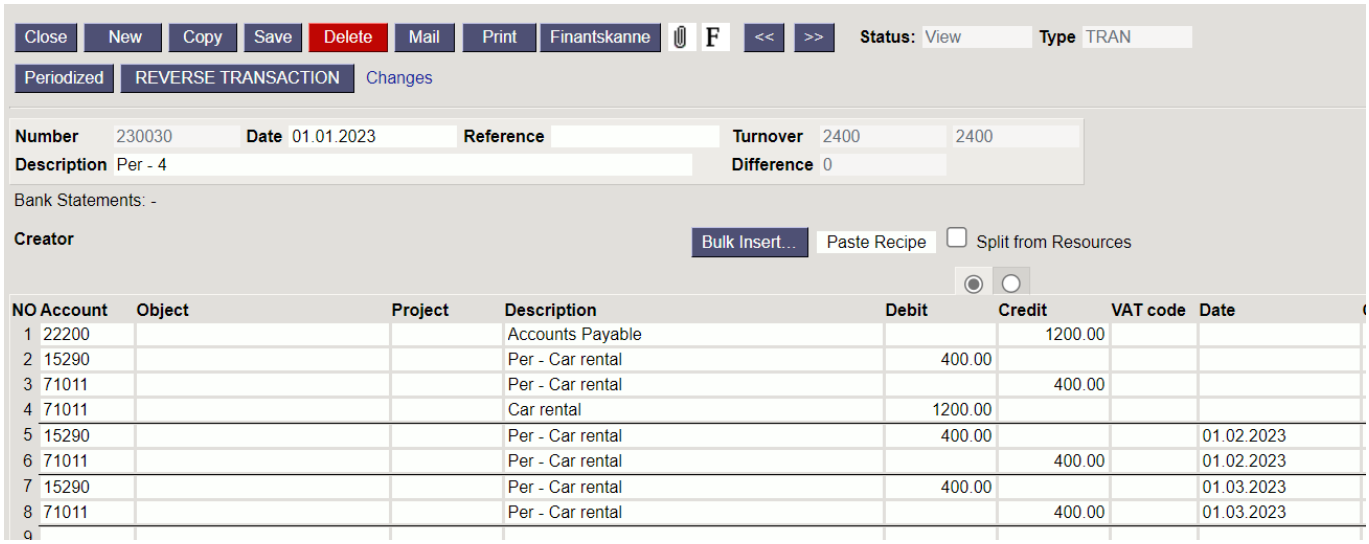


NO	Account	Object	Project	Description	Debit	Credit	VAT code	Date	Customer
1	22200			Accounts payable		1200.00			
2	71011			Car rental	1200.00				
3	15290			Per - Car rental	800.00				
4	71011			Per - Car rental		800.00			
5	15290			Per - Car rental		400.00		01.02.2023	
6	71011			Per - Car rental	400.00			01.02.2023	
7	15290			Per - Car rental		400.00		01.03.2023	
8	71011			Per - Car rental	400.00			01.03.2023	

The periodized transaction will have different periods separated by dividing lines. The first section shows the original transaction lines with postings to the corresponding account and the subtraction of the periodized line to avoid double expenses/income.

- Line 1 and 2 – original transaction
- Line 3 – posting to the corresponding account to the extent of the balance of the amount to be periodized
- Line 4 – crediting of the expense account to be periodized, i.e. subtraction to the extent of the balance of the amount to be periodized

If "Reset accounts" is not ticked, the transaction is like that:



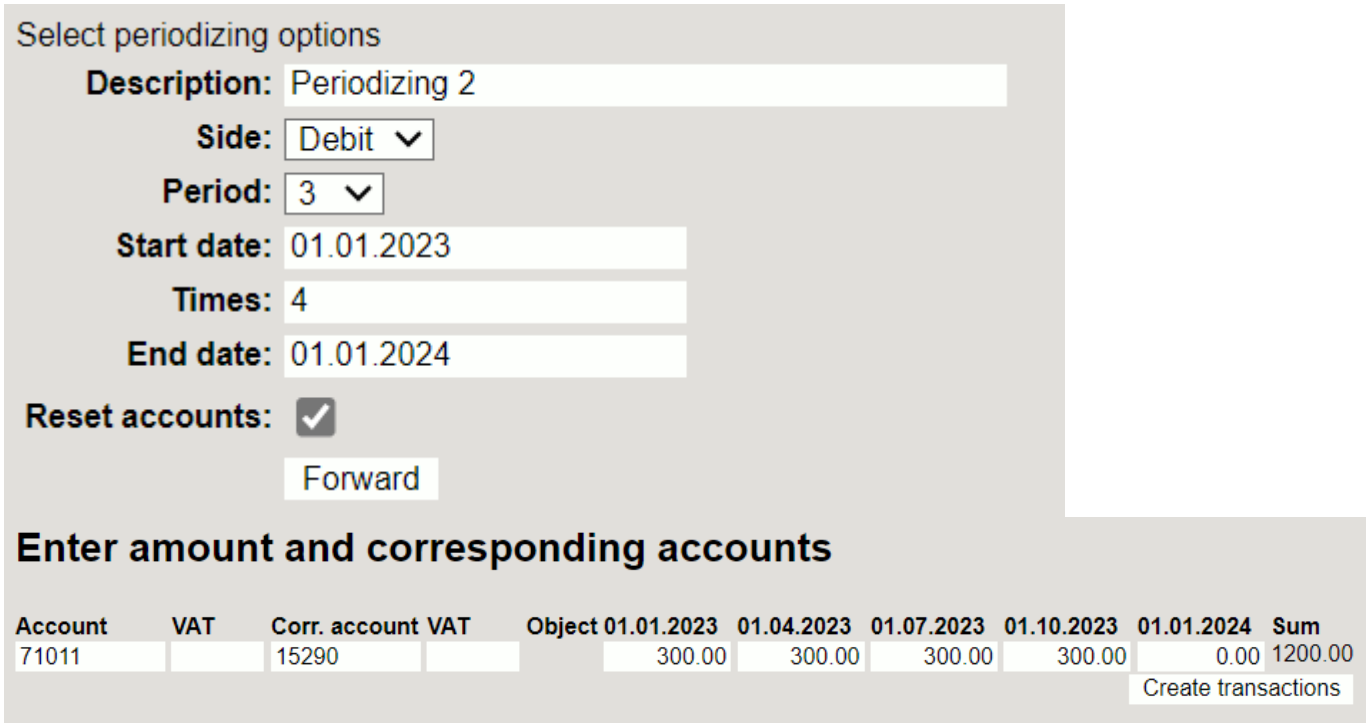
NO	Account	Object	Project	Description	Debit	Credit	VAT code	Date
1	22200			Accounts Payable		1200.00		
2	15290			Per - Car rental	400.00			
3	71011			Per - Car rental		400.00		
4	71011			Car rental	1200.00			
5	15290			Per - Car rental	400.00			01.02.2023
6	71011			Per - Car rental		400.00		01.02.2023
7	15290			Per - Car rental	400.00			01.03.2023
8	71011			Per - Car rental		400.00		01.03.2023

5. Examples (OLD DESIGN)

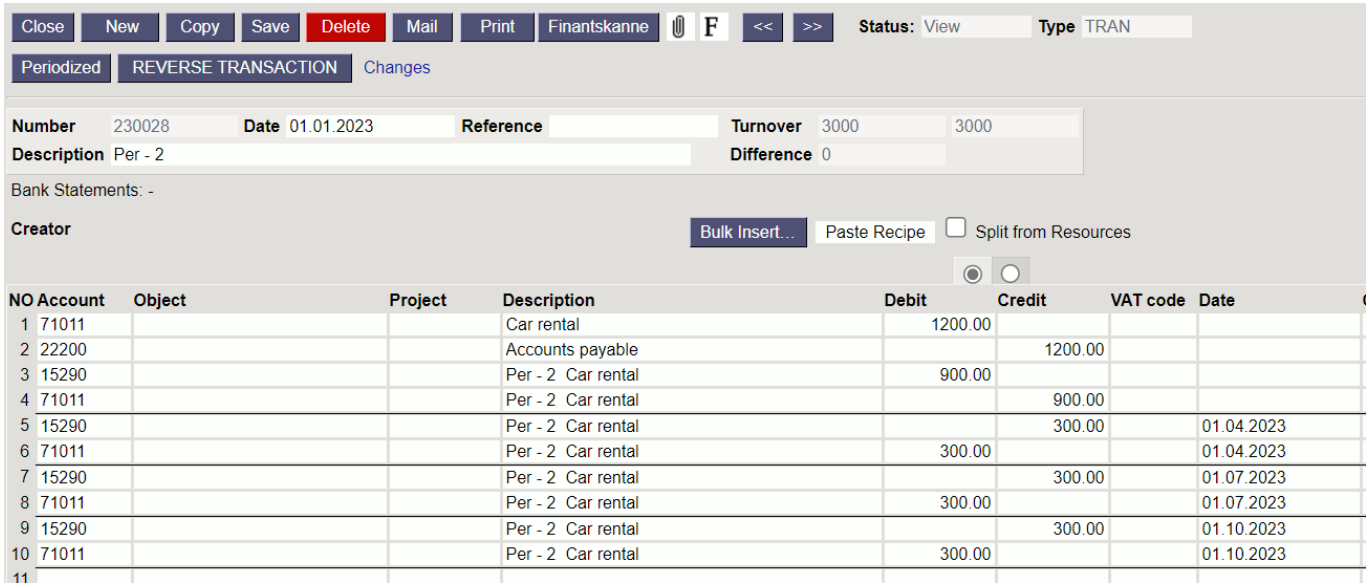
5.1 Periodizing a transaction once per quarter over a year

- **Period** – the transaction is made every 3 months

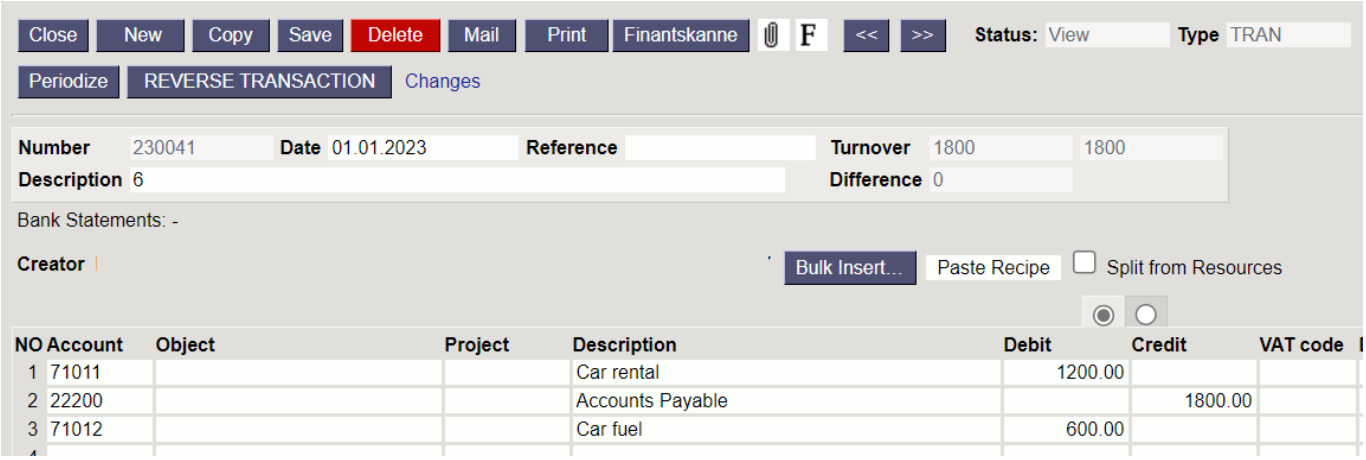
- **Times** – the transaction is made 4 times



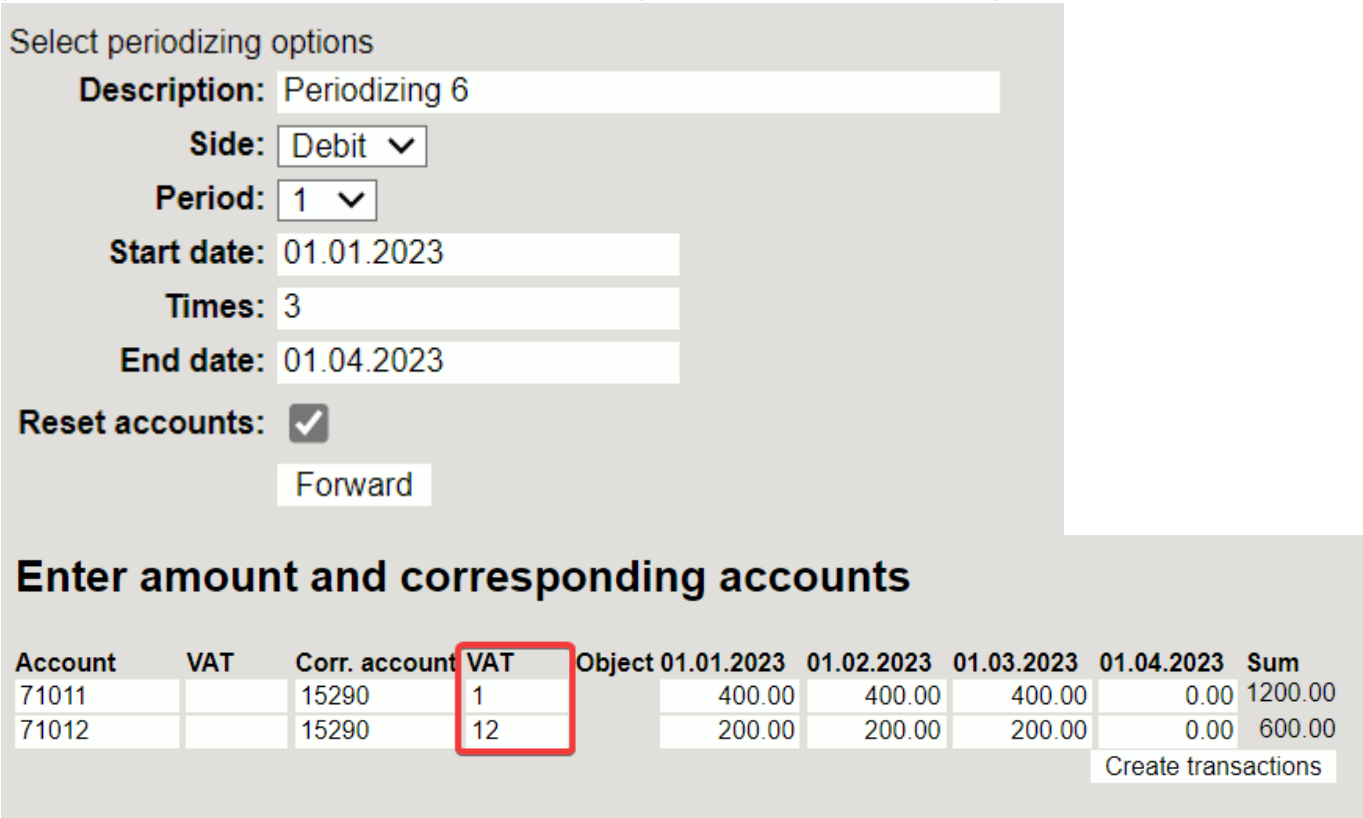
Result:



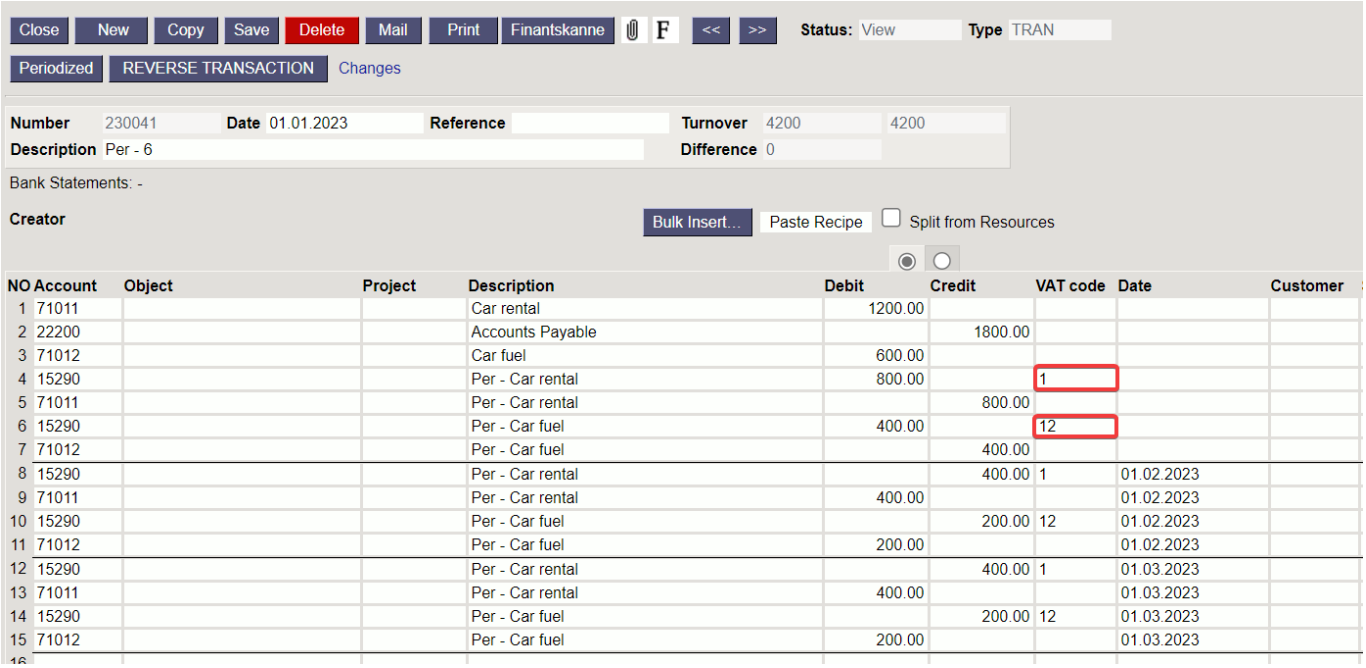
5.2 Periodization of multiple transaction lines



If there are more lines to be periodized, the second pop-up window shows both accounts that are periodized. If desired, different data can be assigned to them, in this example, different VAT codes.



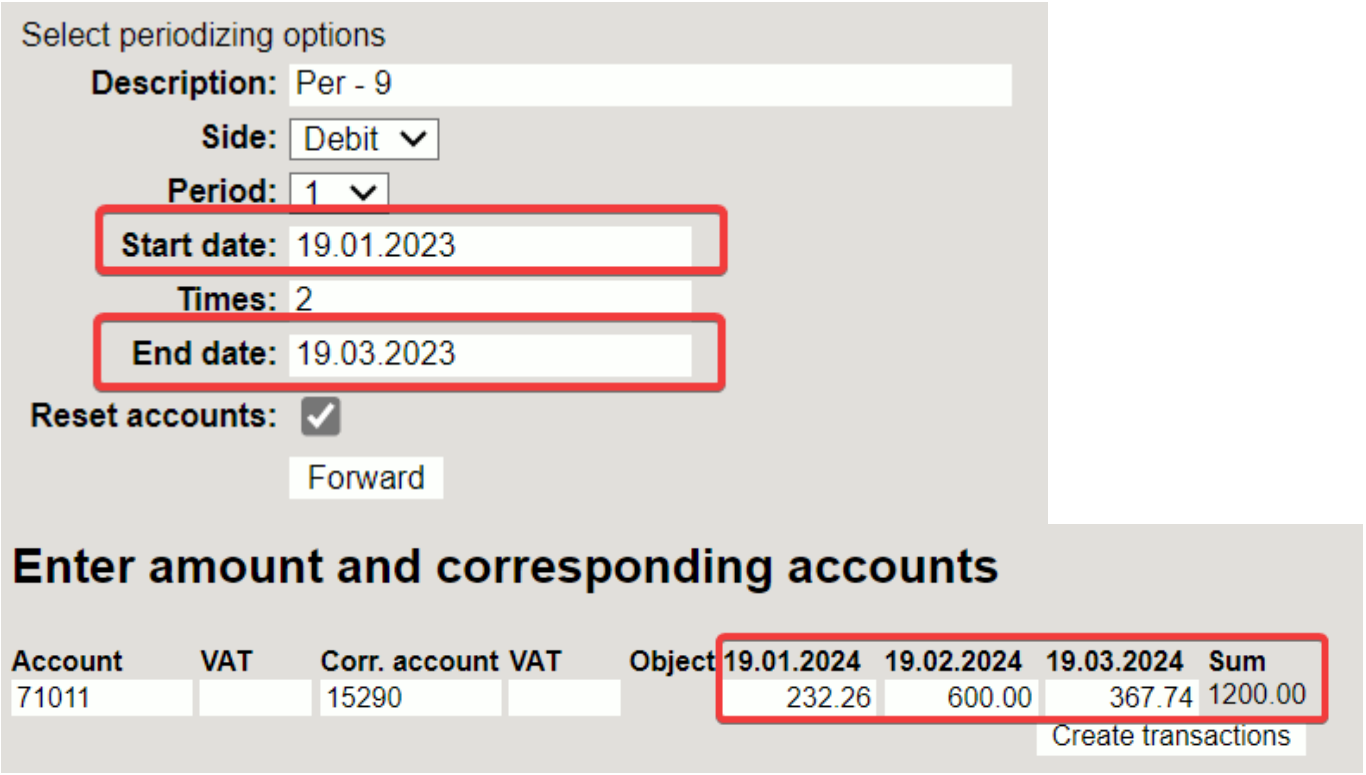
Pressing “Create transactions” and “Save” generates a periodized transactions, showing that each account has its VAT codes:



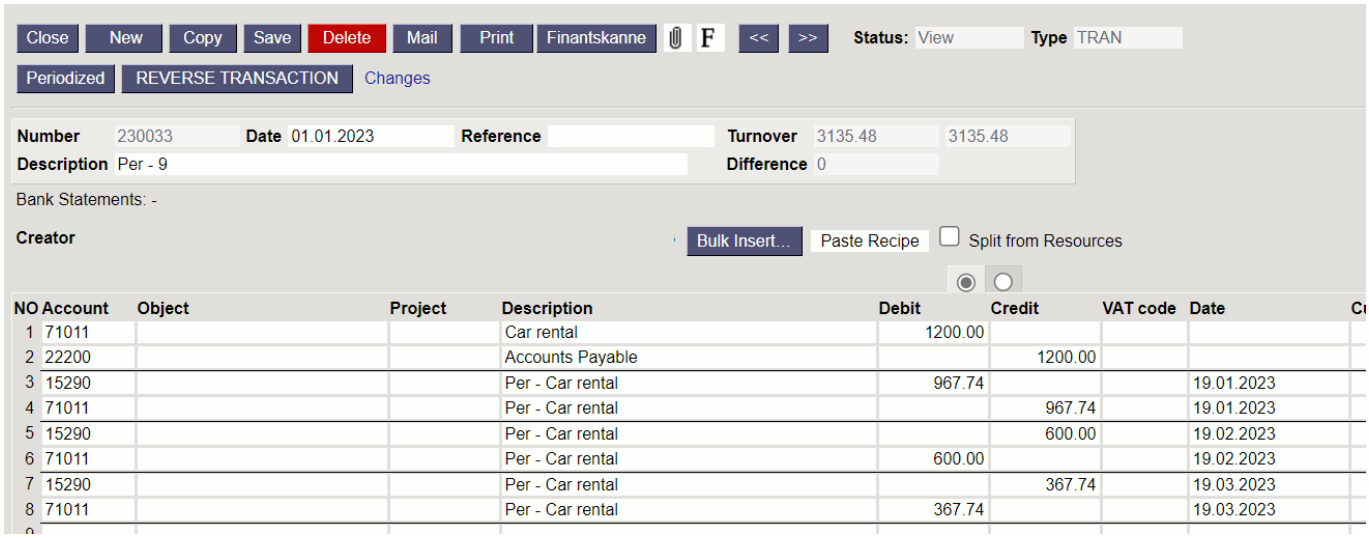
NO	Account	Object	Project	Description	Debit	Credit	VAT code	Date	Customer
1	71011			Car rental	1200.00				
2	22200			Accounts Payable		1800.00			
3	71012			Car fuel	600.00				
4	15290			Per - Car rental	800.00		1		
5	71011			Per - Car rental		800.00			
6	15290			Per - Car fuel	400.00		12		
7	71012			Per - Car fuel		400.00			
8	15290			Per - Car rental		400.00	1	01.02.2023	
9	71011			Per - Car rental	400.00			01.02.2023	
10	15290			Per - Car fuel		200.00	12	01.02.2023	
11	71012			Per - Car fuel	200.00			01.02.2023	
12	15290			Per - Car rental		400.00	1	01.03.2023	
13	71011			Per - Car rental	400.00			01.03.2023	
14	15290			Per - Car fuel		200.00	12	01.03.2023	
15	71012			Per - Car fuel	200.00			01.03.2023	

5.3 Daily periodization, i.e. the period amounts are not equal

In this example, the periodization range cannot be divided into whole months, and periodization takes place with daily precision. The second pop-up window shows how the amounts are calculated according to the number of days.

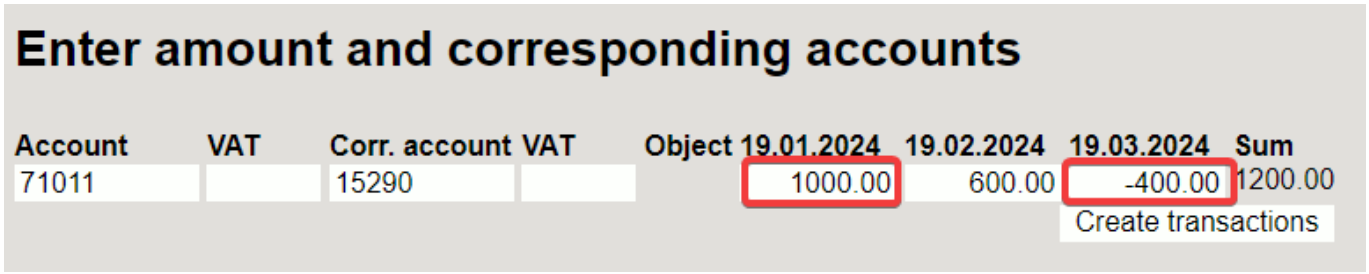


Pressing “Create transactions” and “Save” generates a periodized transaction:



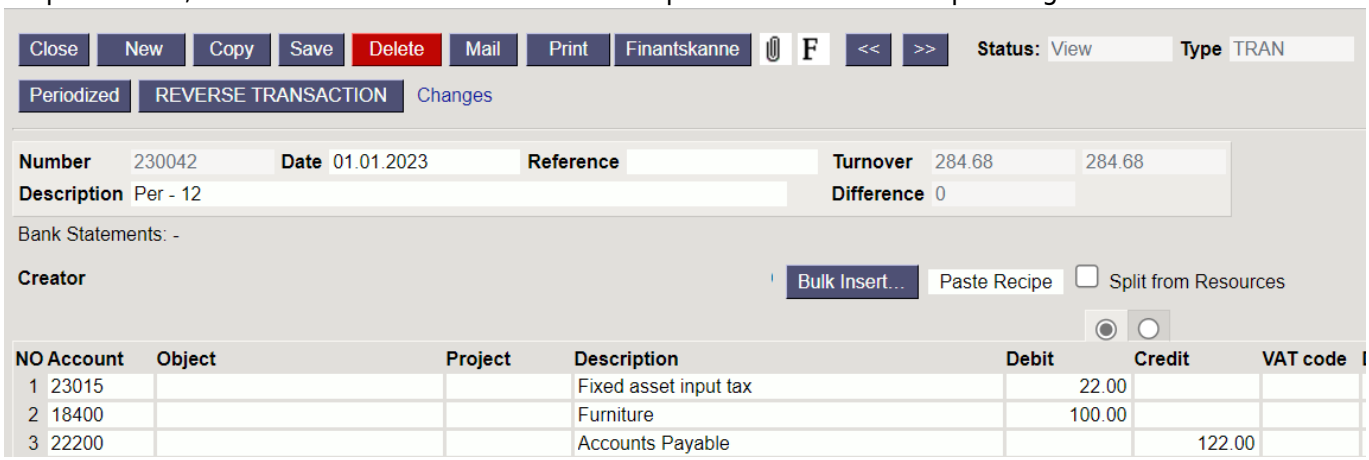
NO	Account	Object	Project	Description	Debit	Credit	VAT code	Date
1	71011			Car rental	1200.00			
2	22200			Accounts Payable		1200.00		
3	15290			Per - Car rental	967.74			19.01.2023
4	71011			Per - Car rental		967.74		19.01.2023
5	15290			Per - Car rental		600.00		19.02.2023
6	71011			Per - Car rental	600.00			19.02.2023
7	15290			Per - Car rental		367.74		19.03.2023
8	71011			Per - Car rental	367.74			19.03.2023

In the second pop-up window, you can manually overwrite the amounts yourself. If, for example, you manually enter 1000 in the cell for the amount of 19.01.2023, the last cell will contain the amount with a minus.

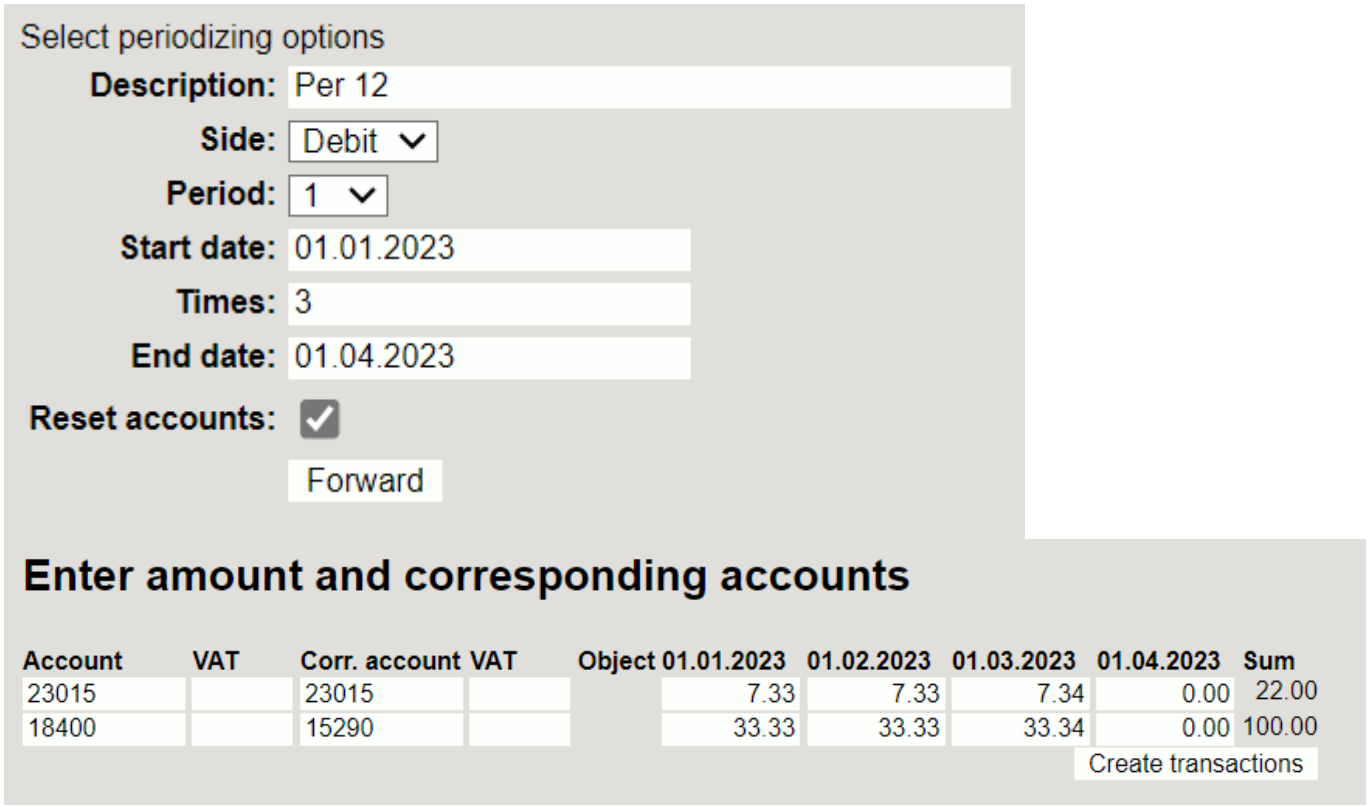


5.4 If there is also VAT on the transaction, but you do not want it to be periodized

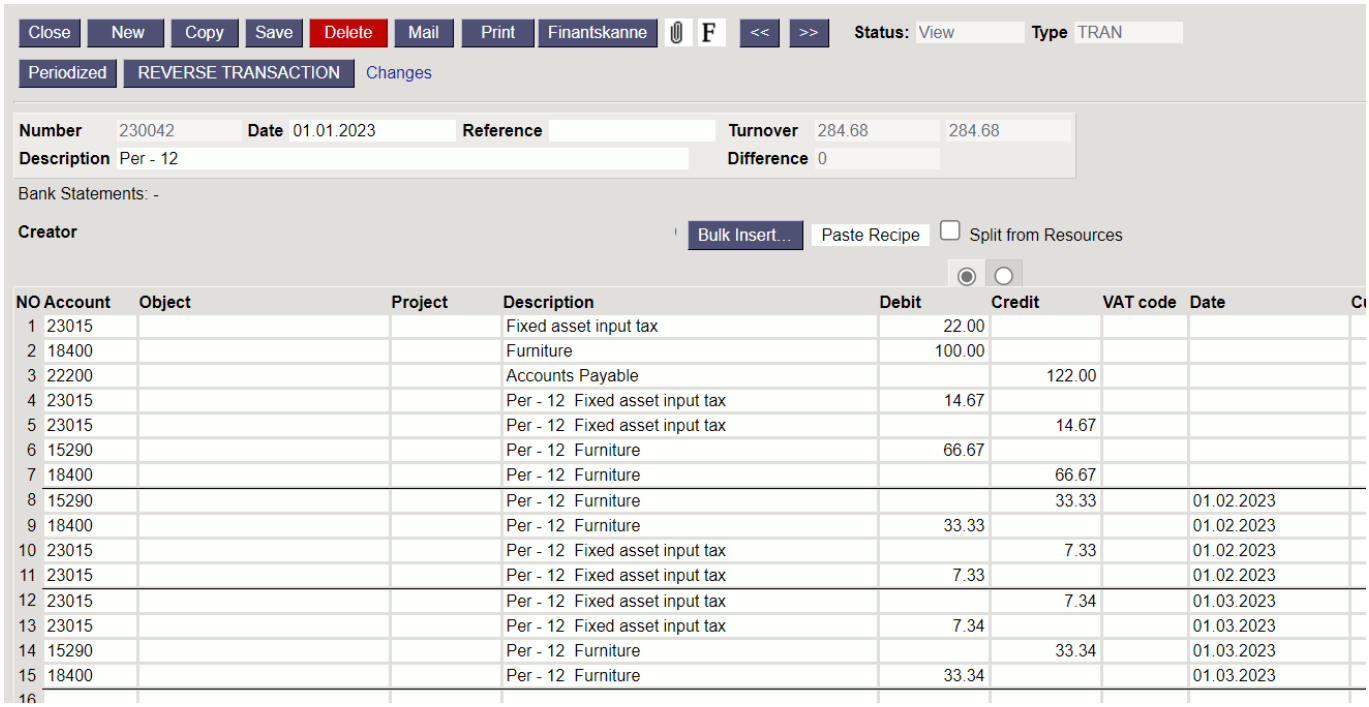
If the transaction includes VAT and you are periodizing the debit side, and you do not want the VAT to be periodized, enter the same account used for input VAT as the corresponding account.



NO	Account	Object	Project	Description	Debit	Credit	VAT code
1	23015			Fixed asset input tax	22.00		
2	18400			Furniture	100.00		
3	22200			Accounts Payable		122.00	



As a result, the transaction will be rotated on the same account:



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