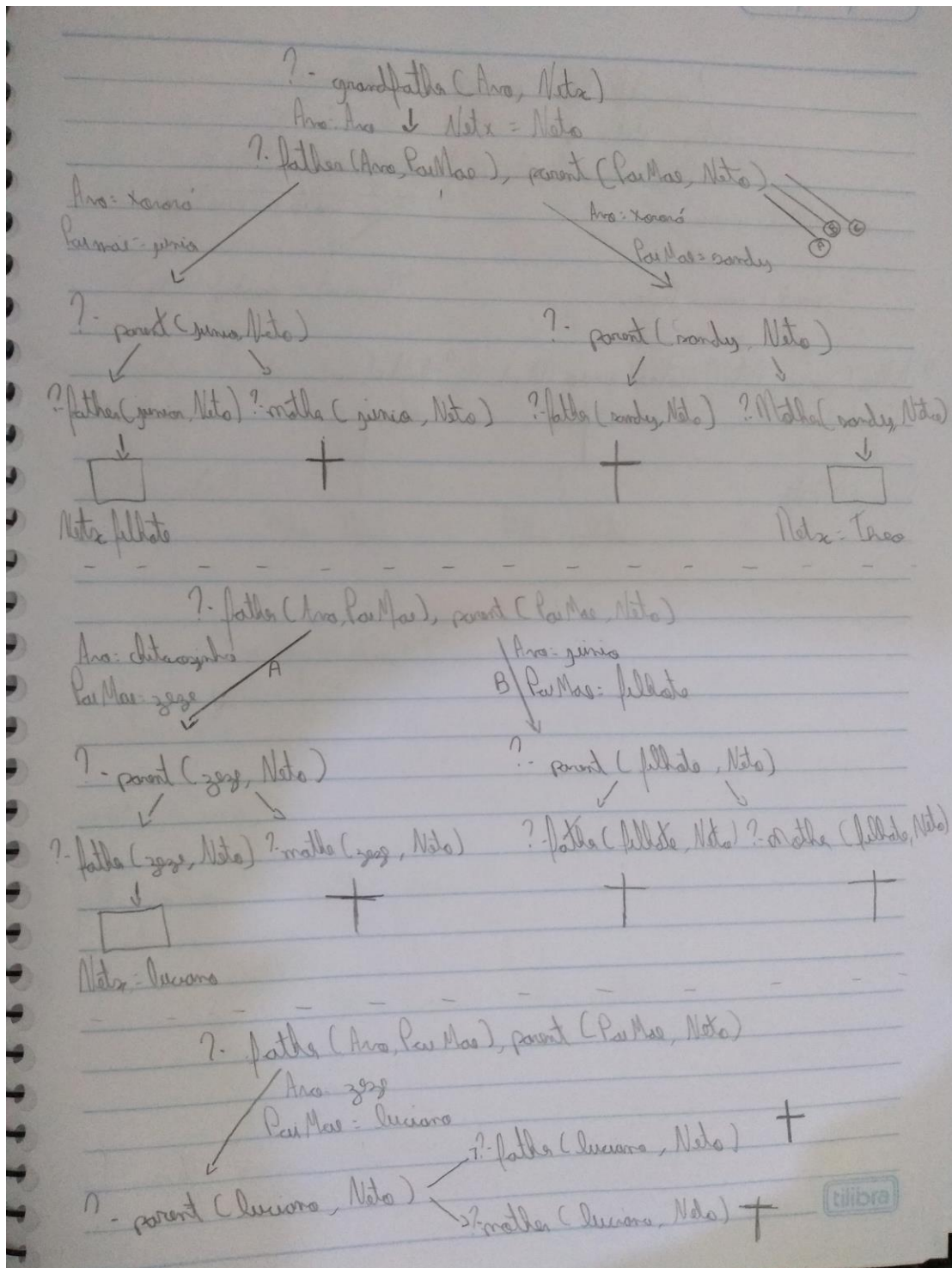
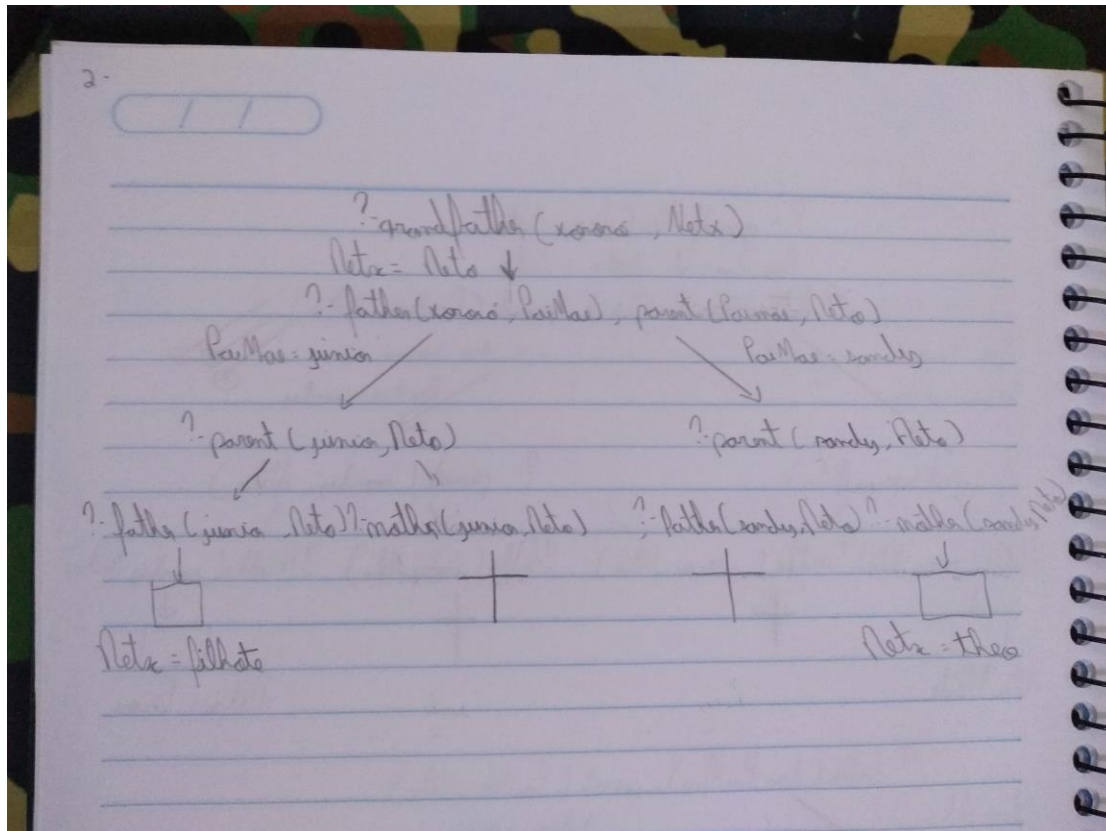


?- grandfather(Avo, Netx).



```
SWI-Prolog (AMD64, Multi-threaded, version 8.0.2)
File Edit Settings Run Debug Help
[trace] ?- grandfather(Avo, Netx).
Call: (8) grandfather(_2960, _2962) ? creep
Call: (9) father(_2960, _3218) ? creep
Exit: (9) father(xororó, junior) ? creep
Call: (9) parent(junior, _2962) ? creep
Call: (10) father(junior, _2962) ? creep
Exit: (10) father(junior, filhote) ? creep
Exit: (9) parent(junior, filhote) ? creep
Exit: (8) grandfather(xororó, filhote) ? creep
Avo = xororó,
Netx = filhote ;
  Dedo: (9) parent(junior, _2962) ? creep
  Call: (10) mother(junior, _2962) ? creep
  Fail: (10) mother(junior, _2962) ? creep
  Fail: (9) parent(junior, _2962) ? creep
  Dedo: (9) father(_2960, _3218) ? creep
  Exit: (9) father(xororó, sandy) ? creep
  Call: (9) parent(sandy, _2962) ? creep
  Call: (10) father(sandy, _2962) ? creep
  Fail: (10) father(sandy, _2962) ? creep
  Dedo: (9) parent(sandy, _2962) ? creep
  Call: (10) mother(sandy, _2962) ? creep
  Exit: (10) mother(sandy, theo) ? creep
  Exit: (9) parent(sandy, theo) ? creep
  Exit: (8) grandfather(xororó, theo) ? creep
Avo = xororó
Netx = theo ;
  Dedo: (9) father(_2960, _3218) ? creep
  Exit: (9) father(chitacozinho, zezé) ? creep
  Call: (9) parent(zezé, _2962) ? creep
  Call: (10) father(zezé, _2962) ? creep
  Exit: (10) father(zezé, luciano) ? creep
  Exit: (9) parent(zezé, luciano) ? creep
  Exit: (8) grandfather(chitacozinho, luciano) ? creep
Avo = chitacozinho,
Netx = luciano ;
  Dedo: (9) parent(zezé, _2962) ? creep
  Call: (10) mother(zezé, _2962) ? creep
  Fail: (10) mother(zezé, _2962) ? creep
  Fail: (9) parent(zezé, _2962) ? creep
  Dedo: (9) father(_2960, _3218) ? creep
  Exit: (9) father(junior, filhote) ? creep
  Call: (9) parent(filhote, _2962) ? creep
  Call: (10) father(filhote, _2962) ? creep
  Fail: (10) father(filhote, _2962) ? creep
  Dedo: (9) parent(filhote, _2962) ? creep
  Call: (10) mother(filhote, _2962) ? creep
  Fail: (10) mother(filhote, _2962) ? creep
  Fail: (9) parent(filhote, _2962) ? creep
  Dedo: (9) father(_2960, _3218) ? creep
  Exit: (9) father(zezé, luciano) ? creep
  Call: (9) parent(luciano, _2962) ? creep
  Call: (10) father(luciano, _2962) ? creep
  Fail: (10) father(luciano, _2962) ? creep
  Dedo: (9) parent(luciano, _2962) ? creep
  Call: (10) mother(luciano, _2962) ? creep
  Fail: (10) mother(luciano, _2962) ? creep
  Fail: (9) parent(luciano, _2962) ? creep
  Fail: (8) grandfather(_2960, _2962) ? creep
false.
```

?- grandfather(xororó, Netx).



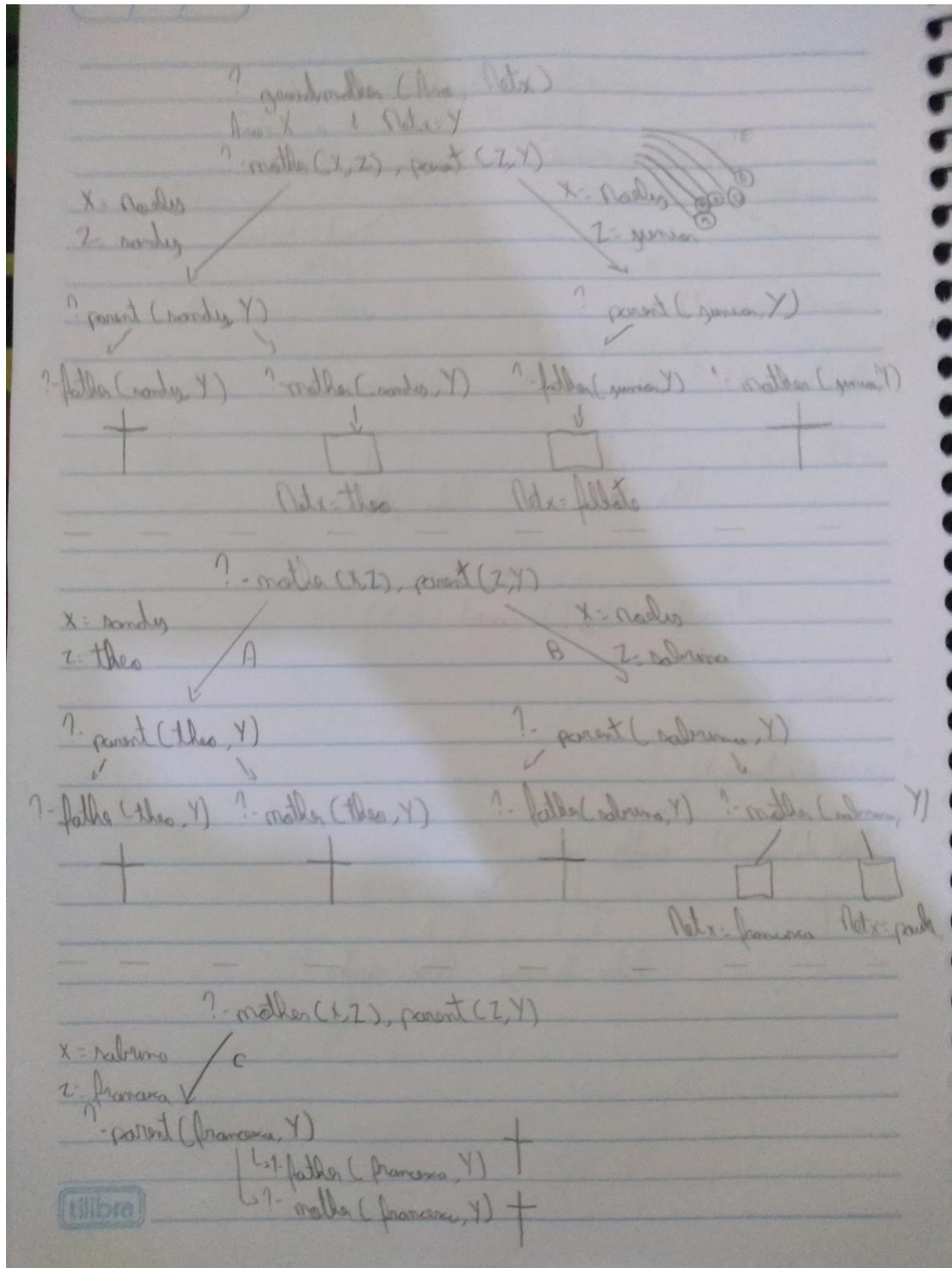
```

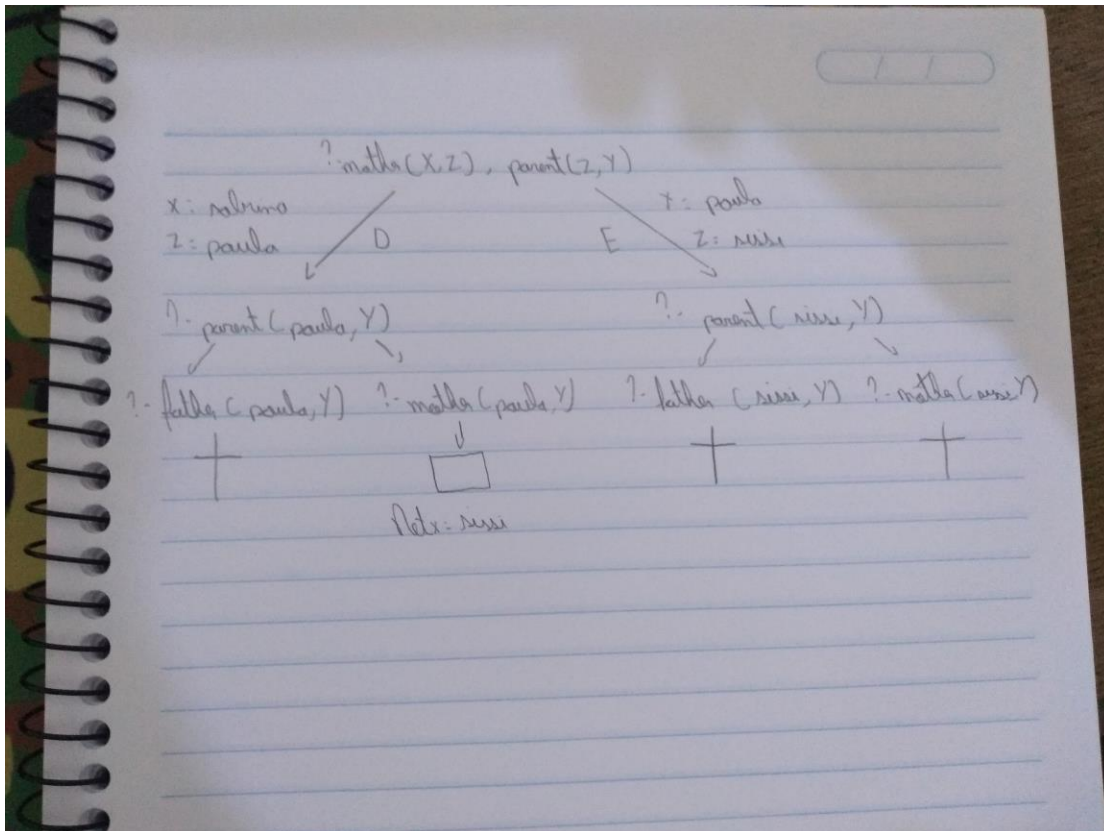
SWI-Prolog (AMD64, Multi-threaded, version 8.0.2)
File Edit Settings Run Debug Help

[trace] ?- grandfather(xororo, Netx).
Call: (8) grandfather(xororo, _2962) ? creep
Call: (9) father(xororo, _3188) ? creep
Exit: (9) father(xororo, junior) ? creep
Call: (9) parent(junior, _2962) ? creep
Call: (10) father(junior, _2962) ? creep
Exit: (10) father(junior, filhote) ? creep
Exit: (9) parent(junior, filhote) ? creep
Exit: (8) grandfather(xororo, filhote) ? creep
Netx = filhote ;
Redo: (9) parent(junior, _2962) ? creep
Call: (10) mother(junior, _2962) ? creep
Fail: (10) mother(junior, _2962) ? creep
Fail: (9) parent(junior, _2962) ? creep
Redo: (9) father(xororo, _3188) ? creep
Exit: (9) father(xororo, sandy) ? creep
Call: (9) parent(sandy, _2962) ? creep
Call: (10) father(sandy, _2962) ? creep
Fail: (10) father(sandy, _2962) ? creep
Redo: (9) parent(sandy, _2962) ? creep
Call: (10) mother(sandy, _2962) ? creep
Exit: (10) mother(sandy, theo) ? creep
Exit: (9) parent(sandy, theo) ? creep
Exit: (8) grandfather(xororo, theo) ? creep
Netx = theo.
[trace] ?-

```

?- grandmother(Avo, Netx).



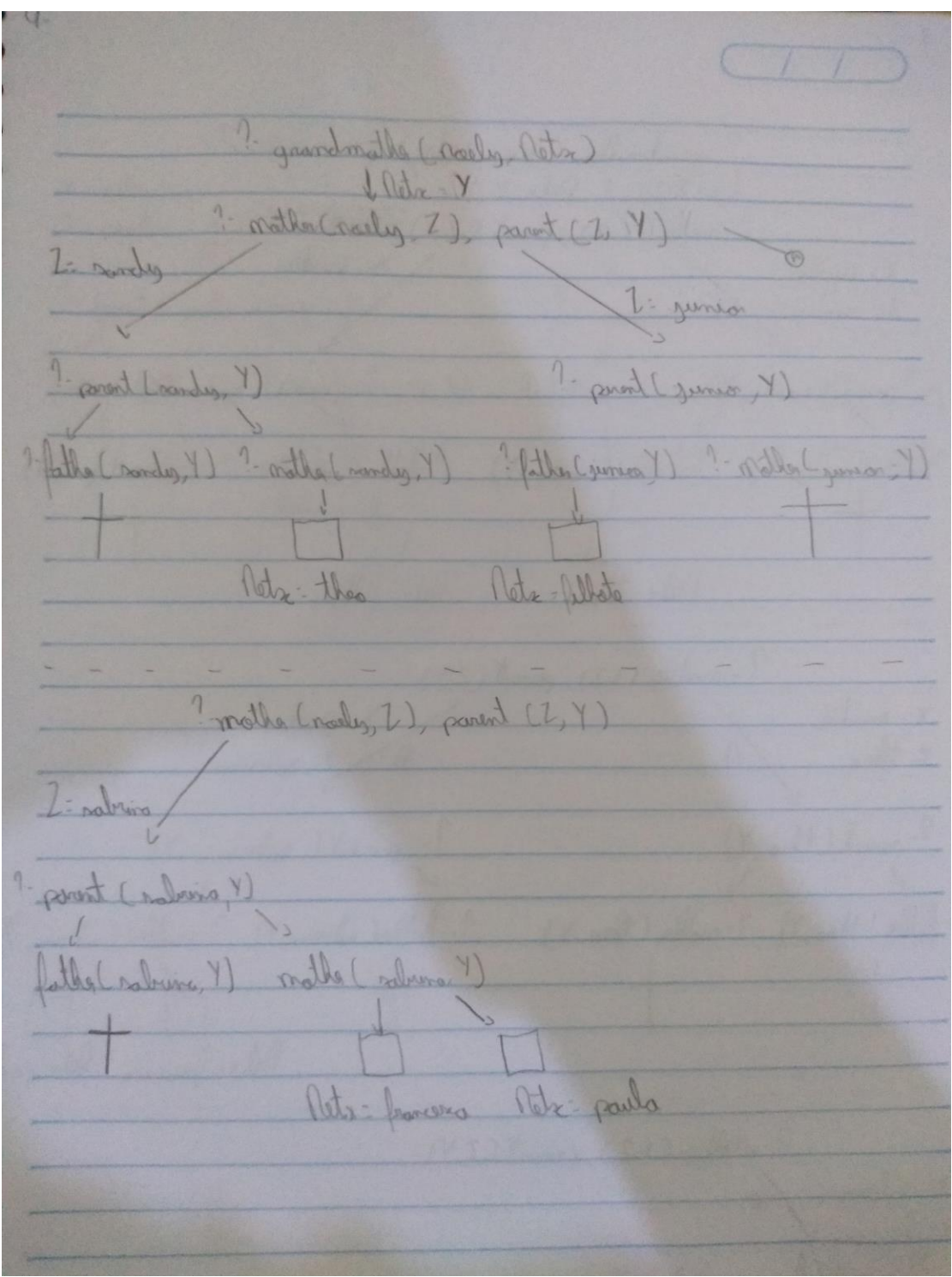


```

SWI-Prolog (AMD64 Multi-threaded version 8.0.2)
File Edit Settings Run Debug Help
[trace] ?- grandmother(Avo, Metx)
Call: (8) grandmother(_2960, _2962) ? creep
Call: (9) mother(_2960, _3224) ? creep
Exit: (9) mother(noely, sandy) ? creep
Call: (9) parent(sandy, _2962) ? creep
Call: (10) father(sandy, _2962) ? creep
Exit: (10) father(sandy, _2962) ? creep
Exit: (9) parent(sandy, _2962) ? creep
Call: (10) mother(sandy, _2962) ? creep
Exit: (10) mother(sandy, theo) ? creep
Exit: (9) parent(sandy, theo) ? creep
Exit: (8) grandmother(noely, theo) ? creep
Avo = noely.
Metx = theo.
Exit: (9) mother(_2960, _3224) ? creep
Exit: (9) mother(noely, junior) ? creep
Call: (9) parent(junior, _2962) ? creep
Call: (10) father(junior, _2962) ? creep
Exit: (10) father(junior, filhote) ? creep
Exit: (9) parent(junior, filhote) ? creep
Exit: (8) grandmother(noely, filhote) ? creep
Avo = noely.
Metx = filhote.
Exit: (9) parent(junior, _2962) ? creep
Call: (10) mother(junior, _2962) ? creep
Exit: (10) mother(junior, _2962) ? creep
Exit: (9) parent(junior, _2962) ? creep
Exit: (8) mother(_2960, _3224) ? creep
Exit: (9) mother(sandy, theo) ? creep
Call: (9) parent(theo, _2962) ? creep
Call: (10) father(theo, _2962) ? creep
Exit: (10) father(theo, _2962) ? creep
Exit: (9) parent(theo, _2962) ? creep
Call: (10) mother(theo, _2962) ? creep
Exit: (10) mother(theo, _2962) ? creep
Exit: (9) parent(theo, _2962) ? creep
Exit: (8) mother(_2960, _3224) ? creep
Exit: (9) mother(noely, sabrina) ? creep
Call: (9) parent(sabrina, _2962) ? creep
Call: (10) father(sabrina, _2962) ? creep
Exit: (10) father(sabrina, _2962) ? creep
Exit: (9) parent(sabrina, _2962) ? creep
Call: (10) mother(sabrina, _2962) ? creep
Exit: (10) mother(sabrina, francesca) ? creep
Exit: (9) parent(sabrina, francesca) ? creep
Exit: (8) grandmother(noely, francesca) ? creep
Avo = noely.
Metx = francesca.
Exit: (10) mother(sabrina, _2962) ? creep
Exit: (10) mother(sabrina, paula) ? creep
Exit: (9) parent(sabrina, paula) ? creep
Exit: (8) grandmother(noely, paula) ? creep
Avo = noely.
Metx = paula.
Exit: (9) mother(_2960, _3224) ? creep
Exit: (9) mother(sabrina, francesca) ? creep
Call: (9) parent(francesca, _2962) ? creep
Call: (10) father(francesca, _2962) ? creep
Exit: (10) father(francesca, _2962) ? creep
Exit: (9) parent(francesca, _2962) ? creep
Exit: (8) mother(_2960, _3224) ? creep
  
```

```
SWI-Prolog (AMD64, Multi-threaded, version 8.0.2)
File Edit Settings Run Debug Help
ReDo: (9) parent(francesca, _2962) ? creep
Call: (10) mother(francesca, _2962) ? creep
Fail: (10) mother(francesca, _2962) ? creep
Fail: (9) parent(francesca, _2962) ? creep
ReDo: (9) mother(_2960, _3224) ? creep
Exit: (9) mother(sabrina, paula) ? creep
Call: (9) parent(paula, _2962) ? creep
Call: (10) father(paula, _2962) ? creep
Fail: (10) father(paula, _2962) ? creep
ReDo: (9) parent(paula, _2962) ? creep
Call: (10) mother(paula, _2962) ? creep
Exit: (10) mother(paula, _2962) ? creep
Exit: (9) parent(paula, _2962) ? creep
Exit: (8) grandmother(sabrina, sissi) ? creep
Avo = sabrina.
Netx = sissi :
ReDo: (9) mother(_2960, _3224) ? creep
Exit: (9) mother(paula, sissi) ? creep
Call: (9) parent(sissi, _2962) ? creep
Call: (10) father(sissi, _2962) ? creep
Fail: (10) father(sissi, _2962) ? creep
ReDo: (9) parent(sissi, _2962) ? creep
Call: (10) mother(sissi, _2962) ? creep
Fail: (10) mother(sissi, _2962) ? creep
Fail: (9) parent(sissi, _2962) ? creep
Fail: (8) grandmother(_2960, _2962) ? creep
false.
[trace] 7- █
```

?- grandmother(noely, Netx).



```
SWI-Prolog (AMD64, Multi-threaded, version 8.0.2)
File Edit Settings Run Debug Help

[trace] ?- grandmother(noely, Metx).
Call: (8) grandmother(noely, _2962) ? creep
Call: (9) mother(noely, _3188) ? creep
Exit: (9) mother(noely, sandy) ? creep
Call: (9) parent(sandy, _2962) ? creep
Call: (10) father(sandy, _2962) ? creep
Fail: (10) father(sandy, _2962) ? creep
Redo: (9) parent(sandy, _2962) ? creep
Call: (10) mother(sandy, _2962) ? creep
Exit: (10) mother(sandy, theo) ? creep
Exit: (9) parent(sandy, theo) ? creep
Exit: (8) grandmother(noely, theo) ? creep
Metx = theo.
Redo: (9) mother(noely, _3188) ? creep
Exit: (9) mother(noely, junior) ? creep
Call: (9) parent(junior, _2962) ? creep
Call: (10) father(junior, _2962) ? creep
Exit: (10) father(junior, filhote) ? creep
Exit: (9) parent(junior, filhote) ? creep
Exit: (8) grandmother(noely, filhote) ? creep
Metx = filhote.
Redo: (9) parent(junior, _2962) ? creep
Call: (10) mother(junior, _2962) ? creep
Fail: (10) mother(junior, _2962) ? creep
Redo: (9) parent(junior, _2962) ? creep
Exit: (9) mother(noely, _3188) ? creep
Exit: (9) mother(noely, sabrina) ? creep
Call: (10) father(sabrina, _2962) ? creep
Fail: (10) father(sabrina, _2962) ? creep
Redo: (9) parent(sabrina, _2962) ? creep
Call: (10) mother(sabrina, _2962) ? creep
Exit: (10) mother(sabrina, francesca) ? creep
Exit: (9) parent(sabrina, francesca) ? creep
Exit: (8) grandmother(noely, francesca) ? creep
Metx = francesca.
Redo: (10) mother(sabrina, _2962) ? creep
Exit: (10) mother(sabrina, paula) ? creep
Exit: (9) parent(sabrina, paula) ? creep
Exit: (8) grandmother(noely, paula) ? creep
Metx = paula.

[trace] ?- | no trace
ERROR: Syntax error: Operator expected
ERROR: no
ERROR: ** here **
ERROR: trace
[trace] ?- no trace.
true.

[debug] ?- no trace.
ERROR: Syntax error: Operator expected
ERROR: no
ERROR: ** here **
ERROR: trace.
[debug] ?-
```

Links para melhor visualização da imagem.

EX 1: <https://imgur.com/a/TABoHCI>

EX 2: <https://imgur.com/a/J2rIDJO>

EX 3: <https://imgur.com/a/CnbPReP>

EX 4: <https://imgur.com/a/Uf5mzhJ>

