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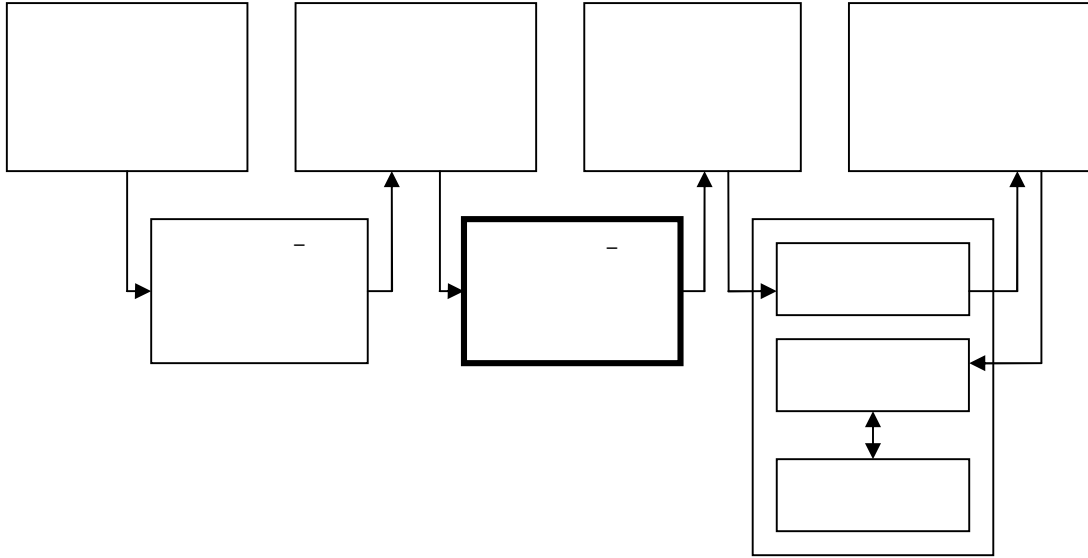
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2012

:  
• ,  
• ,  
• - ,  
(target) ,  
(host)  
IBM PC MS  
Windows Linux.

1.	. . . . .	4
2.	. . . . .	5
2.1.	. . . . .	5
2.2.	. . . . .	11
2.3.	. . . . .	12
2.3.1.	. . . . .	12
2.3.2.	. . . . .	13
2.3.3.	. . . . .	13
2.3.4.	. . . . .	14
2.3.5.	. . . . .	15
2.3.6.	. . . . .	16
2.3.7.	. . . . .	17
2.4.	. . . . .	19
2.4.1.	. . . . .	19
2.4.2.	. . . . .	20
3.	. . . . .	21
4.	. . . . .	22
5.	, . . . . .	23

1.



.1.

(IBM PC)  
(IBM 370).

•

( )

1,

\*.pli,

•

IBM 370,

\*.ass,

•

IBM 370

•

\*.tex;

IBM 370,

.

2.

1	.
2	.
3	.
4	.
5	( ), .
6	1 - 5 .

2.1.

" . " ,  
" " .  
:  
: =3; B=4; C=5.  
: D=A+B-C.  
" 1- " .  
" ,  
( ) .



BALR RR-

0x05

- "BALR' ".

0.

RBASE.

14

2,

( ' )

2  
- "?"

2,

BALR.

USING,

( ' ),

RBASE,

2.

:

D, (X, B), :

- D -
- X -
- B -

B;

- ,

- ,

9,

15

RRAB.

(

A(X)).

X=0.

( ' )

6.

, ' - . :  
,

- A, 3, '
- 20, A
- A, .

. EQU,  
D  
, 32.

- D  
. . .

14. RBASE EQU 14  
5.

END,

, , : , ,

- , ,
- ( ) (
- ) , ,

" 2- "



RBASE,

5.

:

- c
- 

,

, ' :

- 

14  
5,  
2

RBASE

- 

RBASE ( . .  
2,

5),

- 

9

20

5.

A,

,

,

A,

5

,

18.

,

4.

,

2.

8

"

"

.

"

"

,  
,

(TSYM).

:

•

(CHADR) ( (ISXTXT), ) ,  
TSYM

•

: START, DC, DS, EQU, END  
, CHADR  
, TSYM.

( )

:

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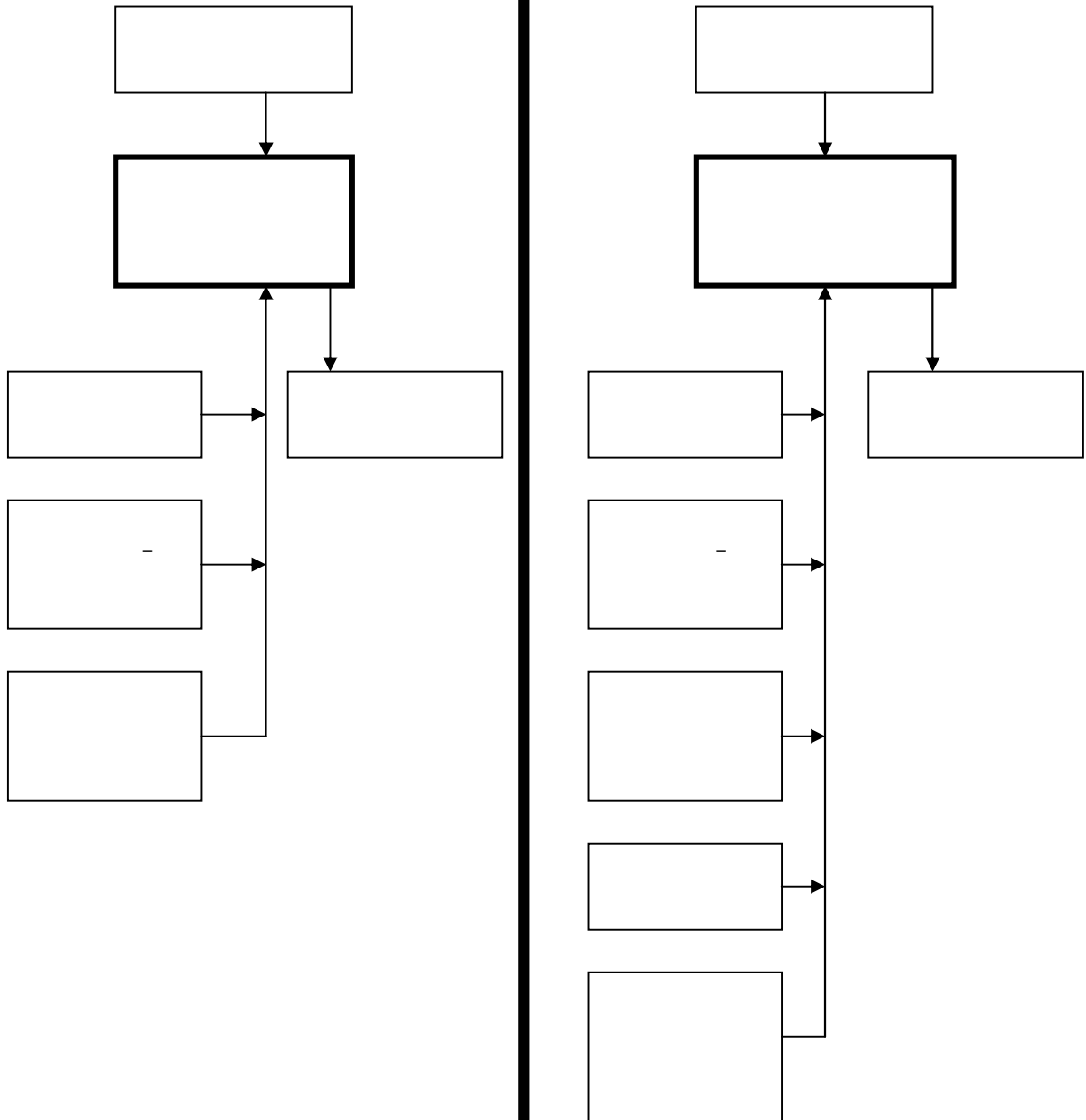
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•

( ) .

2.2.

:



2.3.

:

- , . . ( , ) ,
- ( ) .
- , :
- ,
- ,
- ,
- .

2.3.1.

ISXTXT

...  
, :  
.

METKA	OPERAC	OPERAND	COMM
8	5	12	52
char[8]	char[5]	char[12]	char[52]
EXAMP	START BALR	0 5,0	CHADR=0 5 CHADR + BALR, 2

:

- 
- 
- 

80

### 2.3.2.

HADR

24

(  
IBM 370,

16 .).

,  
IBM PC  
32-

8, 16,

32 ,

### 2.3.3.

TMOP

:

			1-	2-
MNCOD	CODOP	DLOP	BXPROG[0]	BXPROG[1]
5	8	1	4	4
char[5]	unsigned char	char	int (*)()[ ]	int (*)()[ ]
"BALR" "BCR"	0x05 0x07	2 2	FRR FRR	SRR SRR

- - 5 , 2, 4, 6
- , , 1 ,
- : RR, RX, SS, . . .  
: FRR, FRX, FSS . . .  
- : SRR, SRX, SSS . . .

2.3.4.

TPOP

	1-	2-
MNCOD	BXPROG[0]	BXPROG[1]
5	4	4
char[5]	int (*)()[ ]	int (*)()[ ]
"START" "USING"	FSTART FUSING	SSTART SUSING

- - 5 , X - S
- F (First),

(Second).

2.3.5.

TSYM

IMSYM	ZNSYM	DLSYM	PRPER
8	4	1	1
har[8]	unsigned int	unsigned char	char
EXAMP1	0	36	'R'
BEGCALC	2	4	'R'
A	20	4	'R'
B	24	4	'R'
C	28	4	'R'
D	32	4	'R'
RBASE	5	1	'A'
RRAB	3	1	'A'
RVIX	14	1	'A'

- ( ) 8-
- ( ) 'A', ( 'R', )
- ( )
- ( ) 32 ( ) 1.

2.3.6.

TBASR

':

SMESH	PRDOST
4	1
unsigned int	char
-	'N'
-	'N'
-	'N'
-	'N'
<b>2</b>	<b>'Y'</b>
-	'N'
-	'N'
-	'N'
-	'N'
-	'N'
-	'N'
-	'N'
-	'N'
-	'N'
-	'N'

:

- 
- 
- 

0, PRDOST - 'N',

SMESH



2.3.7.

OBJTEXT

80-

(ESD- , TXT- , END- ).

ESD-

//// ////		//// ////		//// ////		//// ////		////////// //////////
	POLE2		IMPR		ADPRG		DLPRG	
1	3	12	8	1	3	1	3	48
	char[3]		char[8]		char[3]		char[3]	
	"ESD"		"EXAMP1"		0		36	

:

- ESD- " "
- "ESD", " "
- " START,
- " START,
- " " ,
- " /.../" ,

TXT-

//// ////		//// ////		//// ////		//// ////		////////// //////////
	POLE2		ADOP		DLNOP		OPER	
1	3	1	3	2	2	4	56	8
	char[3]		char[3]		char[2]		char[56]	
	"TXT"		0		2		"\x05\x50"	

:

- TXT- " "
- "TXT", " " CHADR,
- " " " TXT-
- " " " TXT-

END-

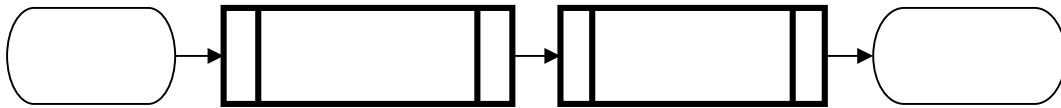
//// ////		////////// //////////
	POLE2	
1	3	76
	char[3]	
	"END"	

:

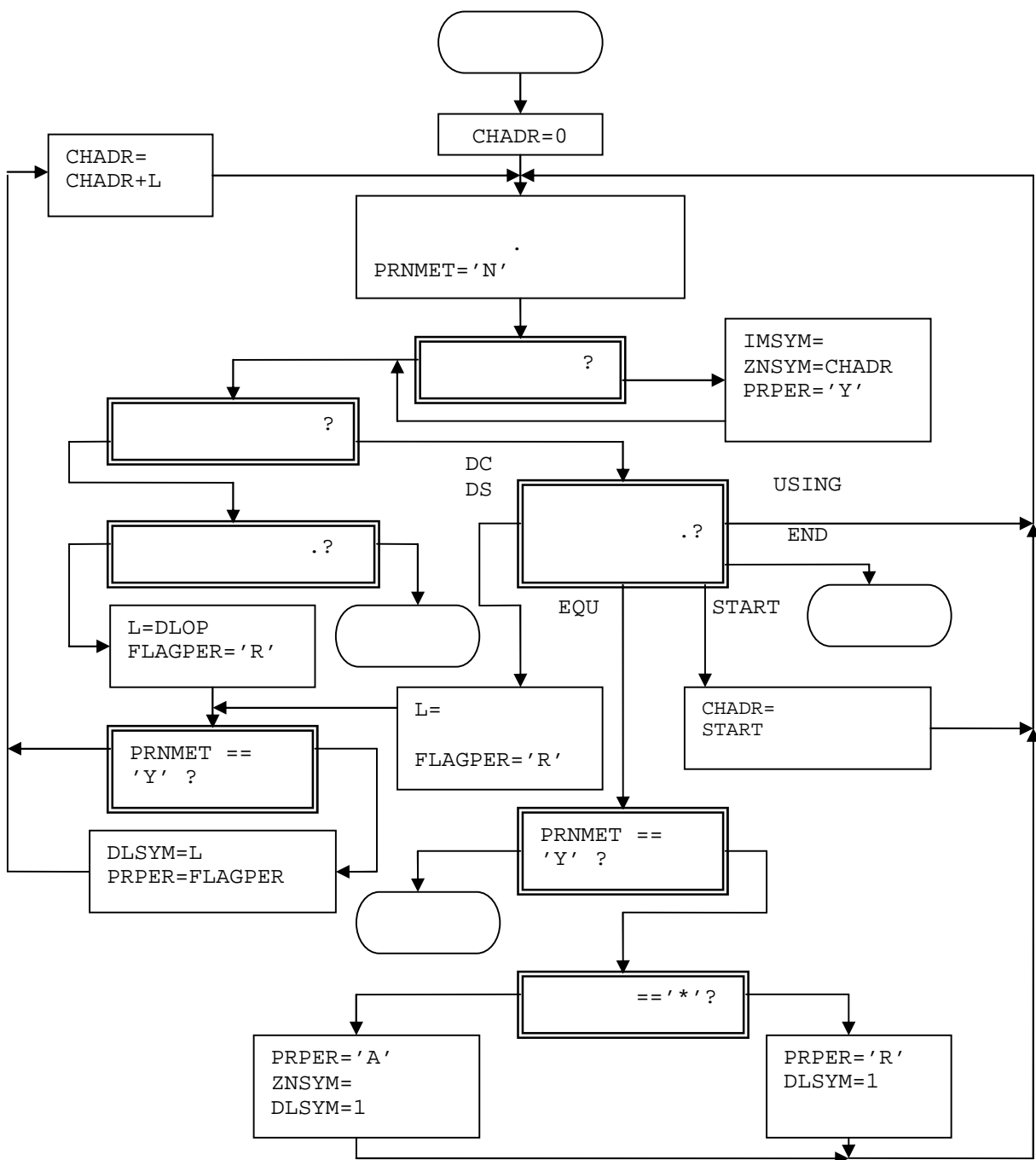
- END- " "
- "END" .

2.4.

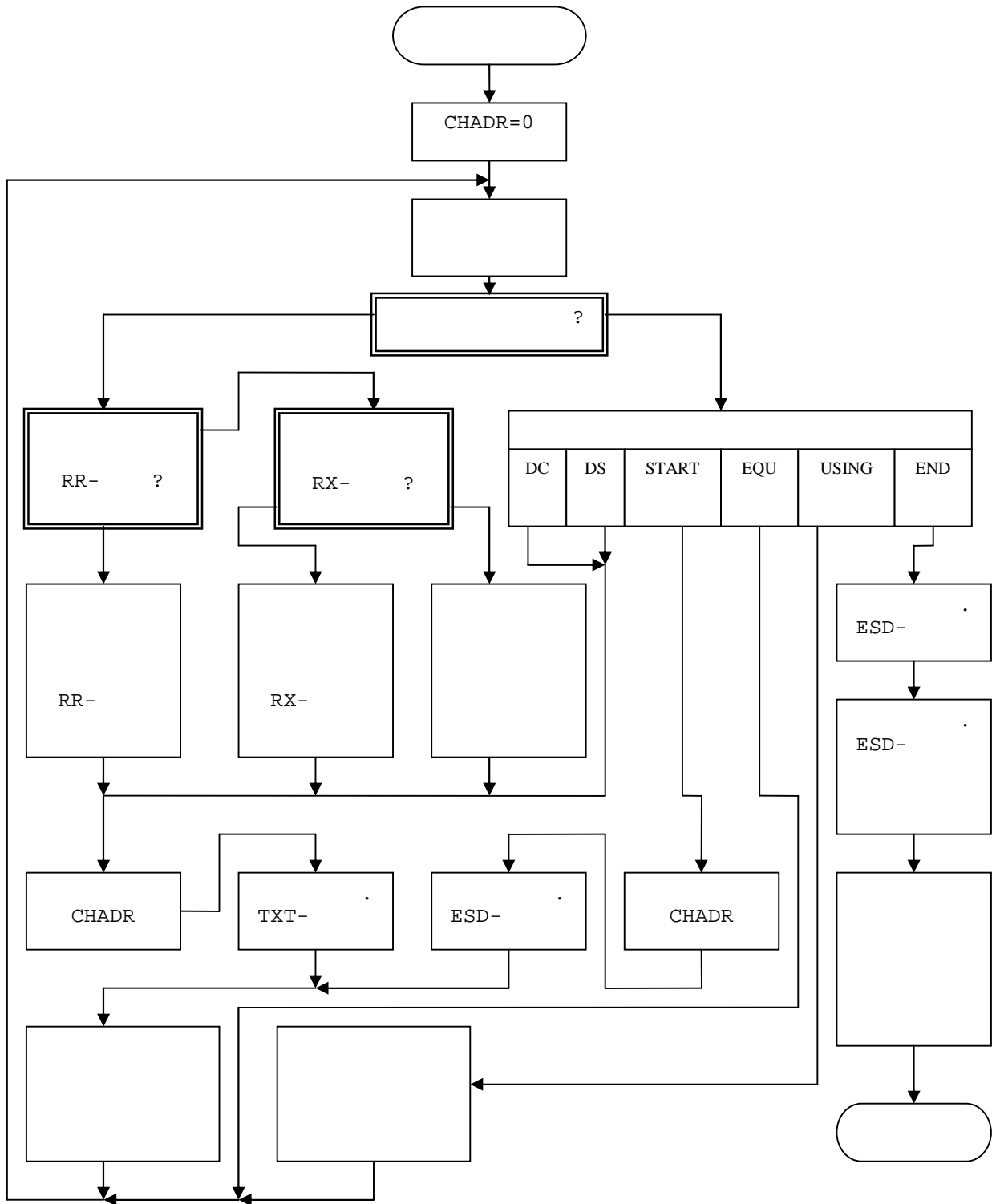
( . 2.1.)



2.4.1.



2.4.2.



3.

IBM 370,

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4.

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- ( ,
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- ), (
- , , ) .

5.

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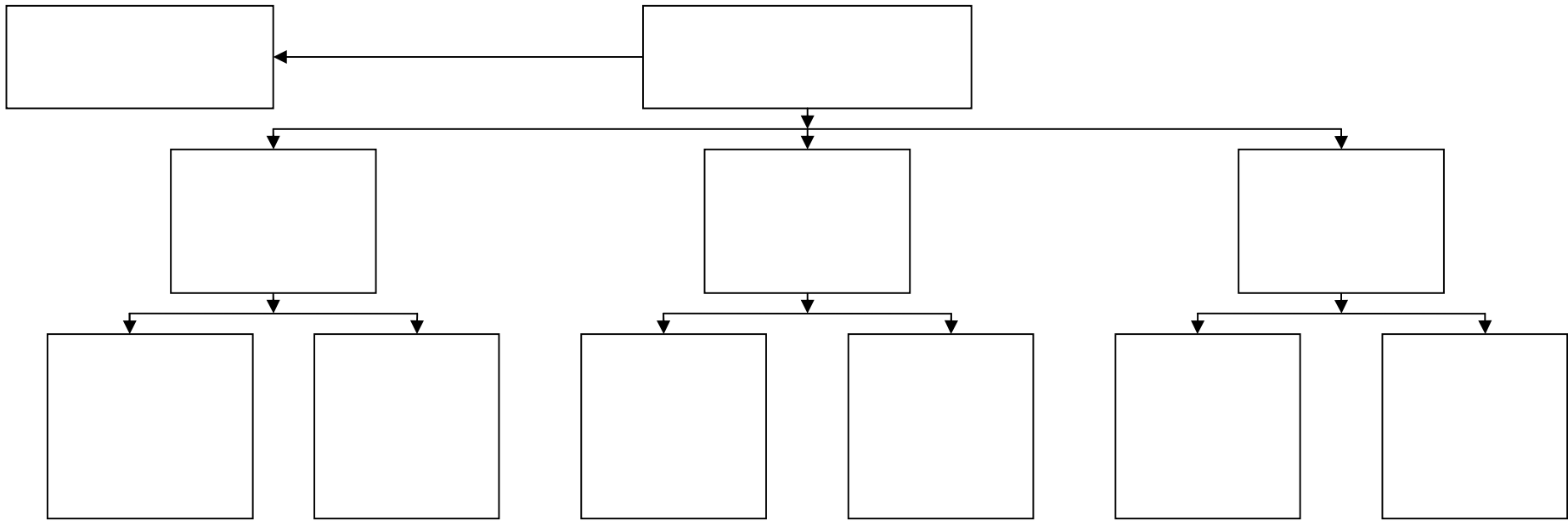
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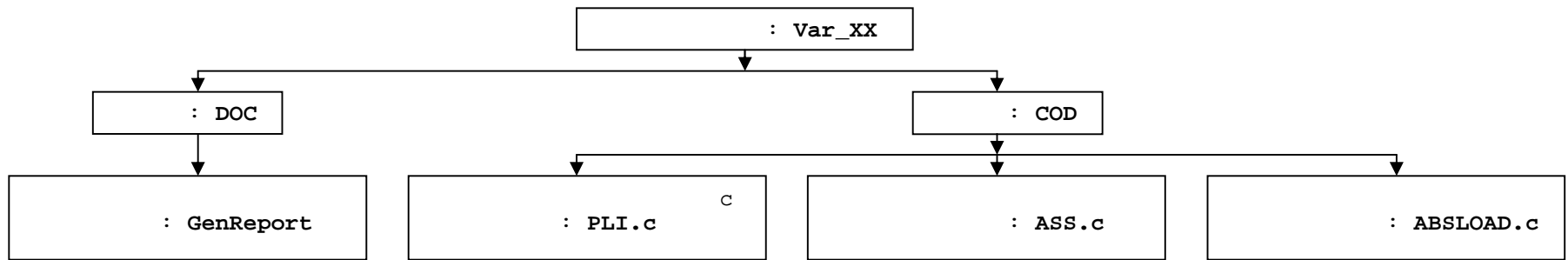
Var\_XX,

XX

.3.



.2.



.3.