



# GACETA OFICIAL

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Año

Panamá, R. de Panamá viernes 17 de mayo de 2024

N° 30033-A

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## CONTENIDO

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### AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

Resolución AN N° 19095-Elec-TOMO X  
(De lunes 08 de abril de 2024)

POR LA CUAL SE APRUEBA LA CELEBRACIÓN DE LA CONSULTA PÚBLICA NO. 006-24-ELEC PARA CONSIDERAR LA PROPUESTA DEL PLAN DE EXPANSIÓN DEL SISTEMA INTERCONECTADO NACIONAL CORRESPONDIENTE AL PERIODO 2023-2037 (PESIN-2023), PRESENTADA POR LA EMPRESA DE TRANSMISIÓN ELÉCTRICA, S.A. (ETESA).

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Gaceta Oficial Digital

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*República de Panamá*  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

**Resolución AN No. 19095-Elec**

**Panamá, 8 de abril de 2024**

Por la cual se aprueba la celebración de la Consulta Pública No.006-24-Elec, para considerara la propuesta del Plan de Expansión del Sistema Interconectado Nacional correspondiente al periodo 2023-2037 (PESIN 2023), presentada por la Empresa de Transmisión Eléctrica, S.A. (ETESA).

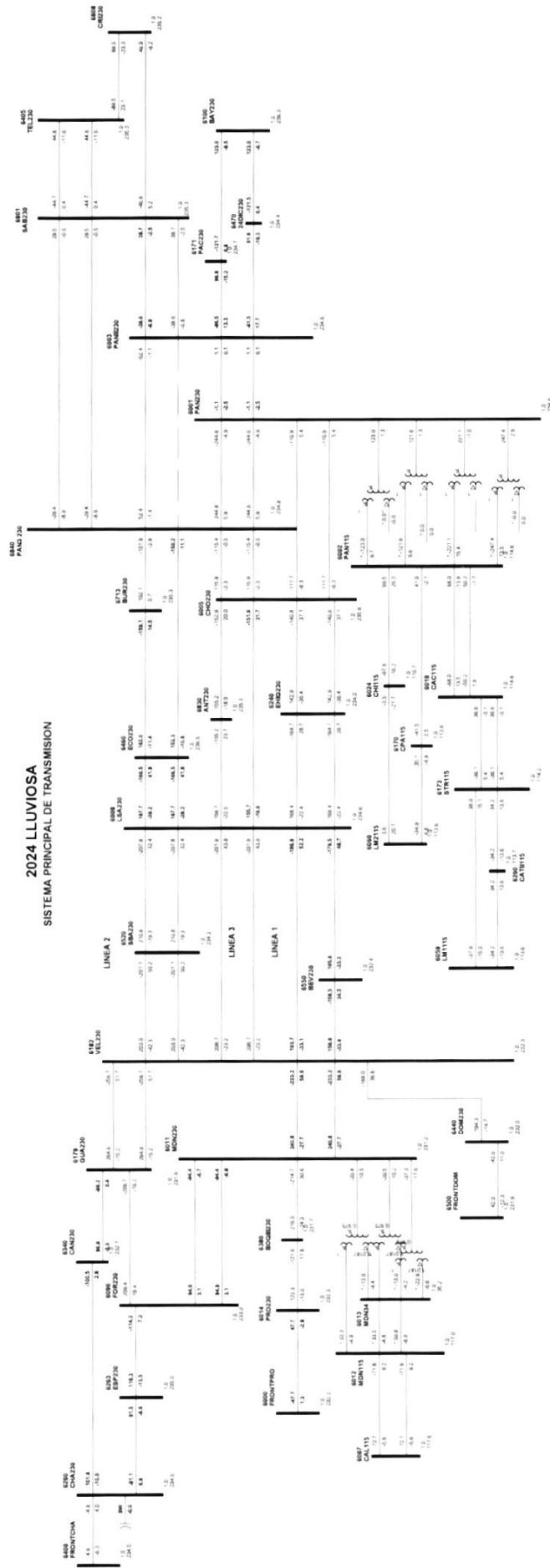
**TOMO X**  
**1801-2000**





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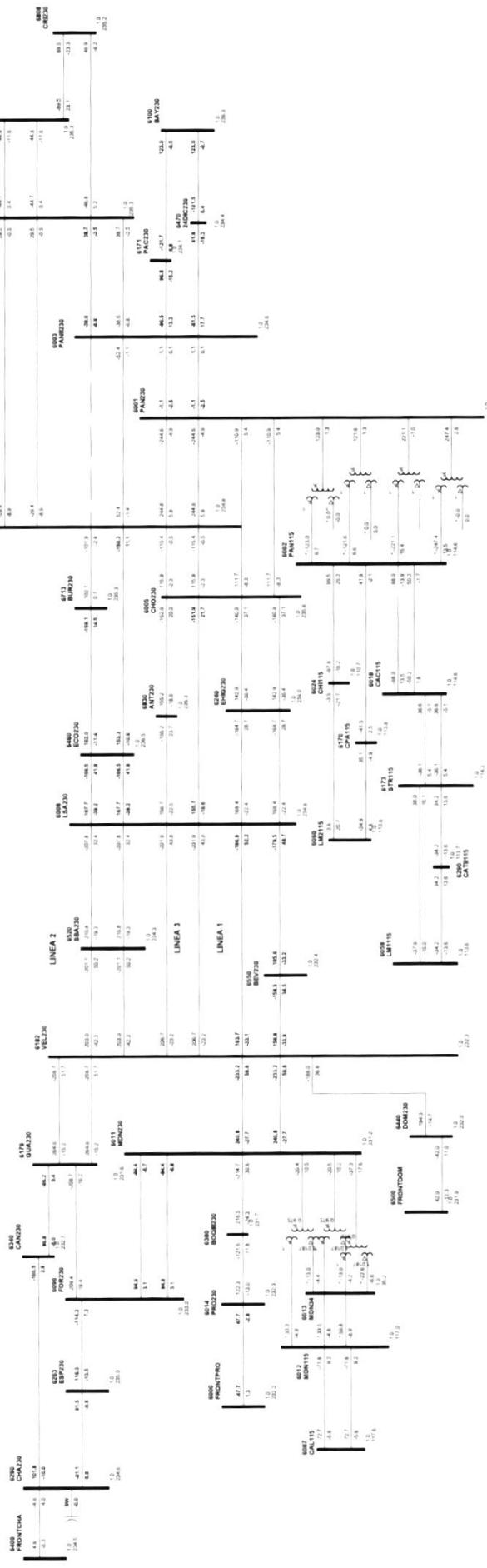
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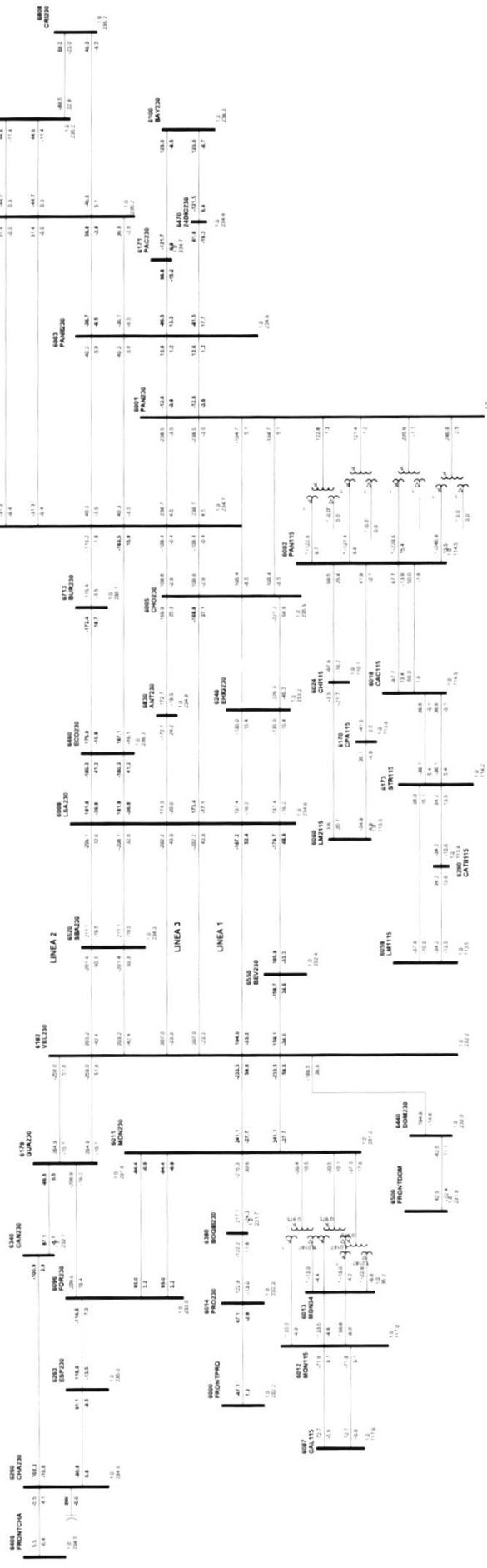






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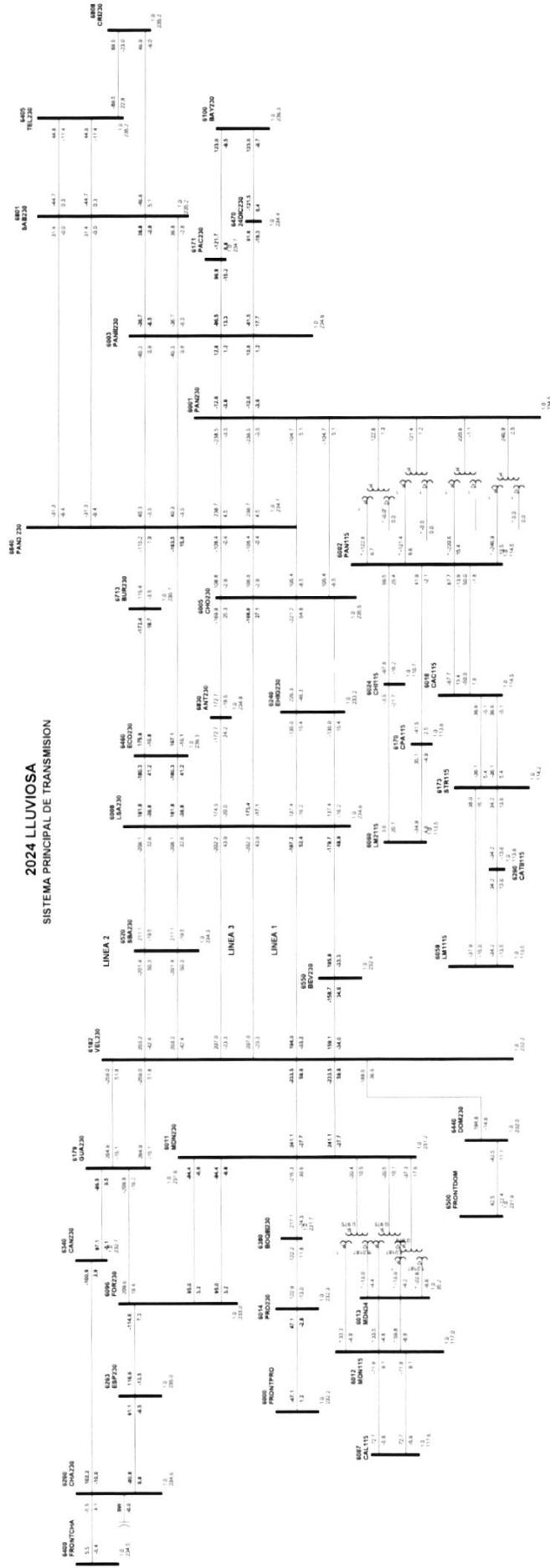
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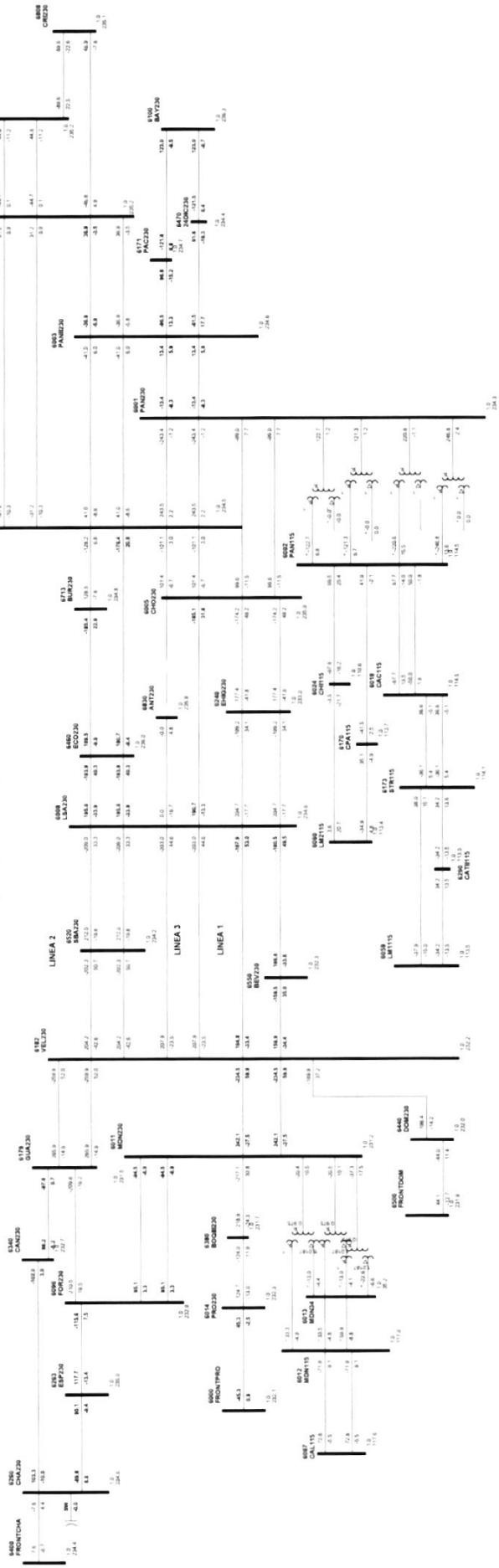
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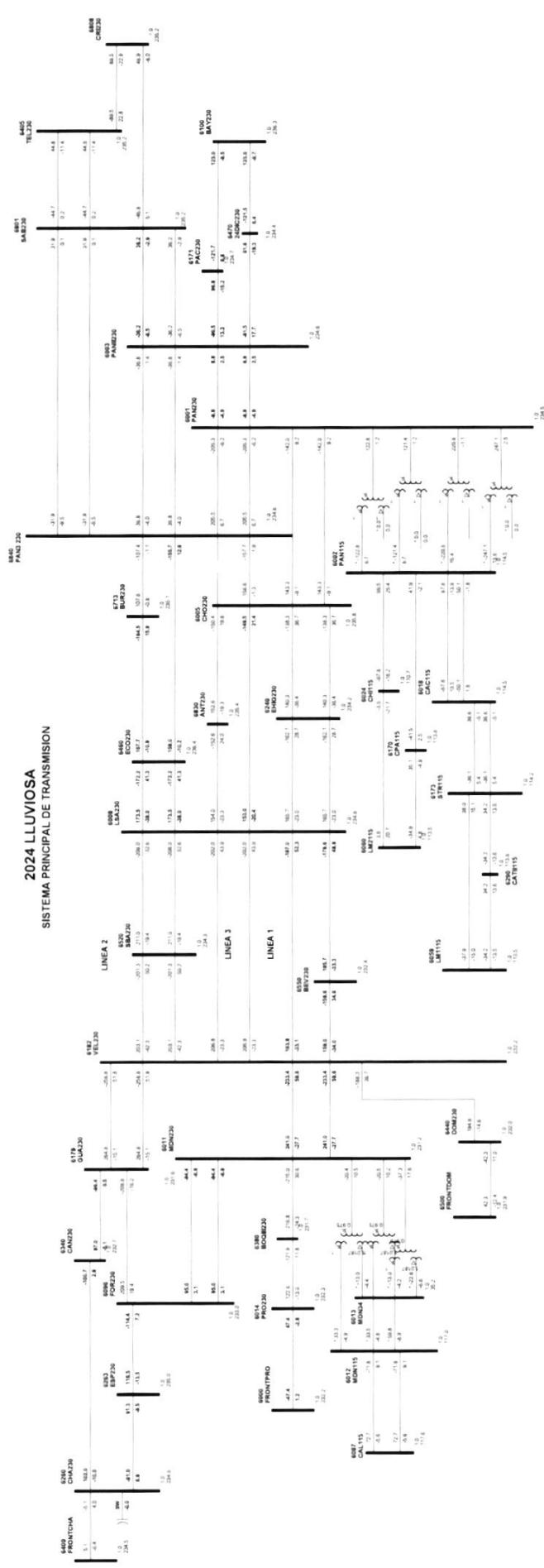
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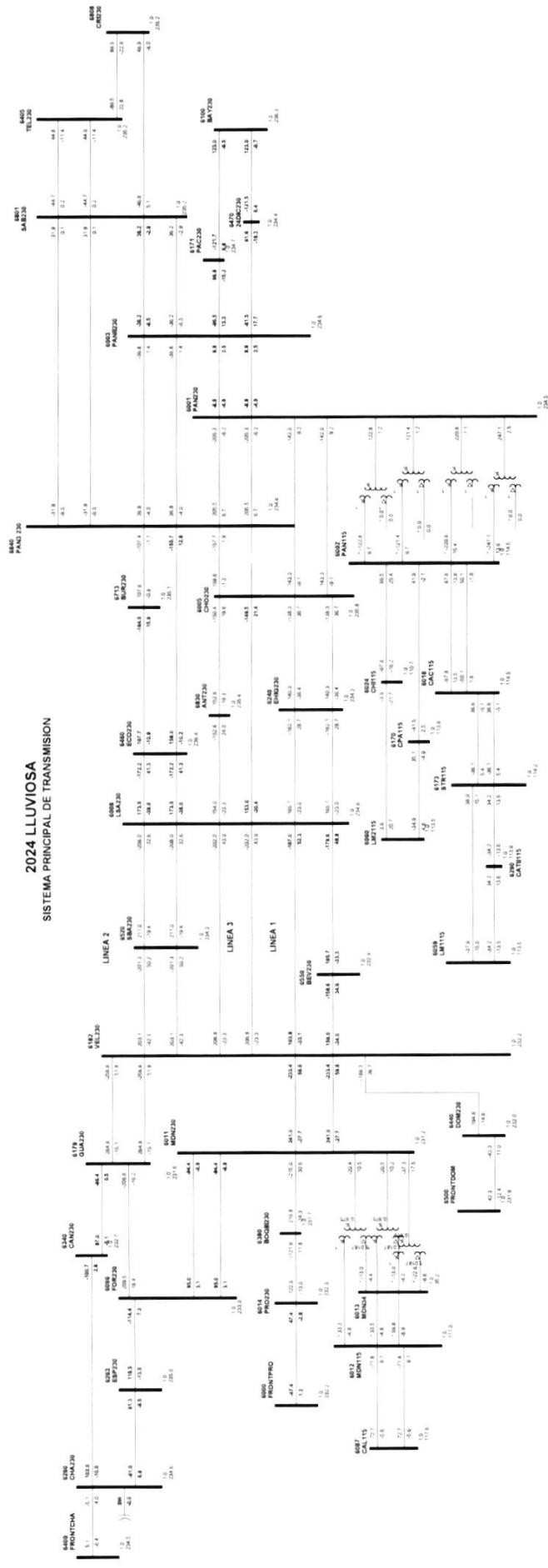
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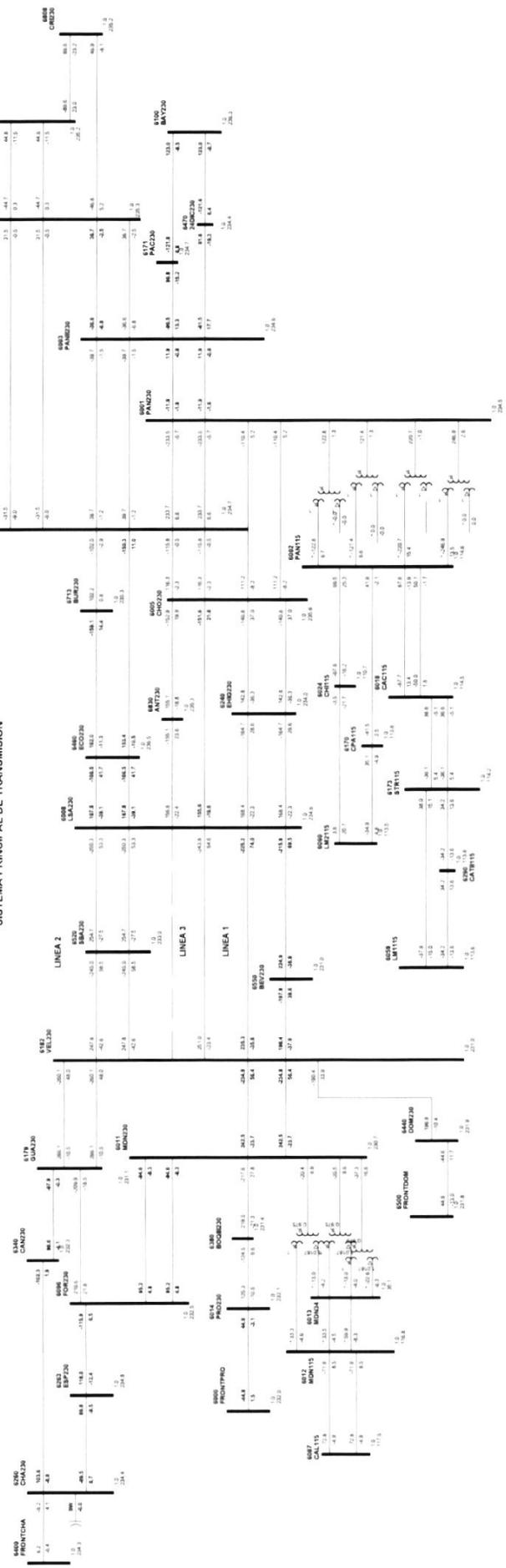
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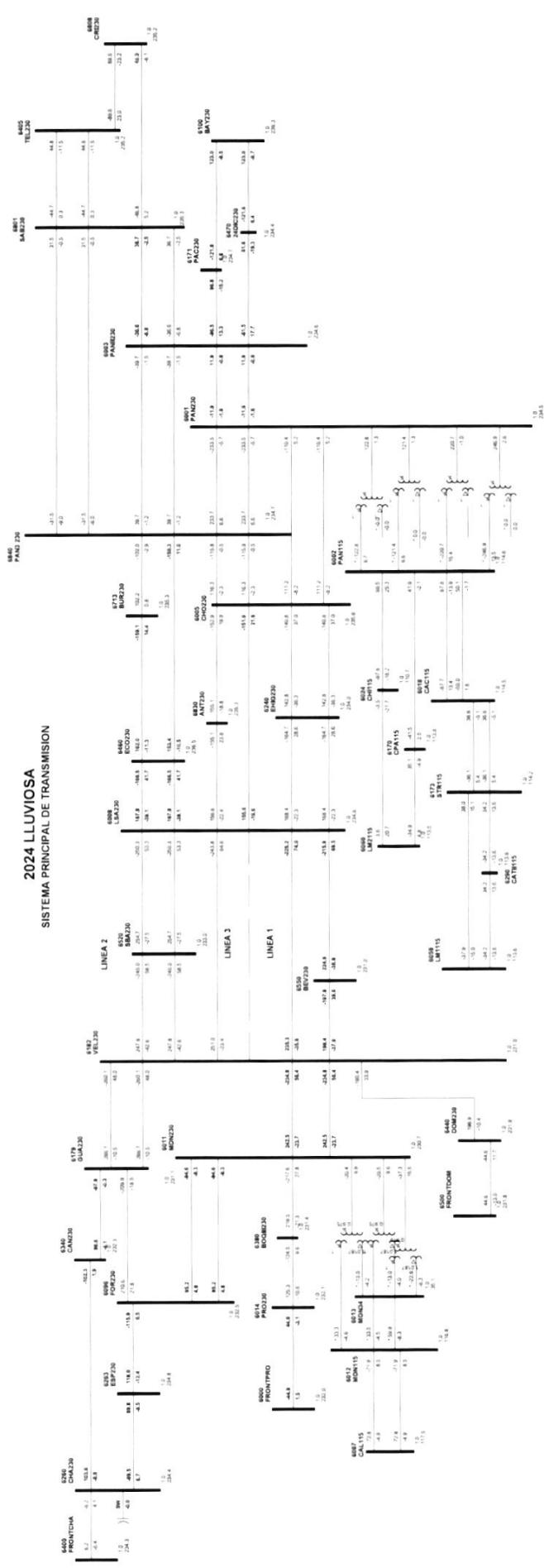


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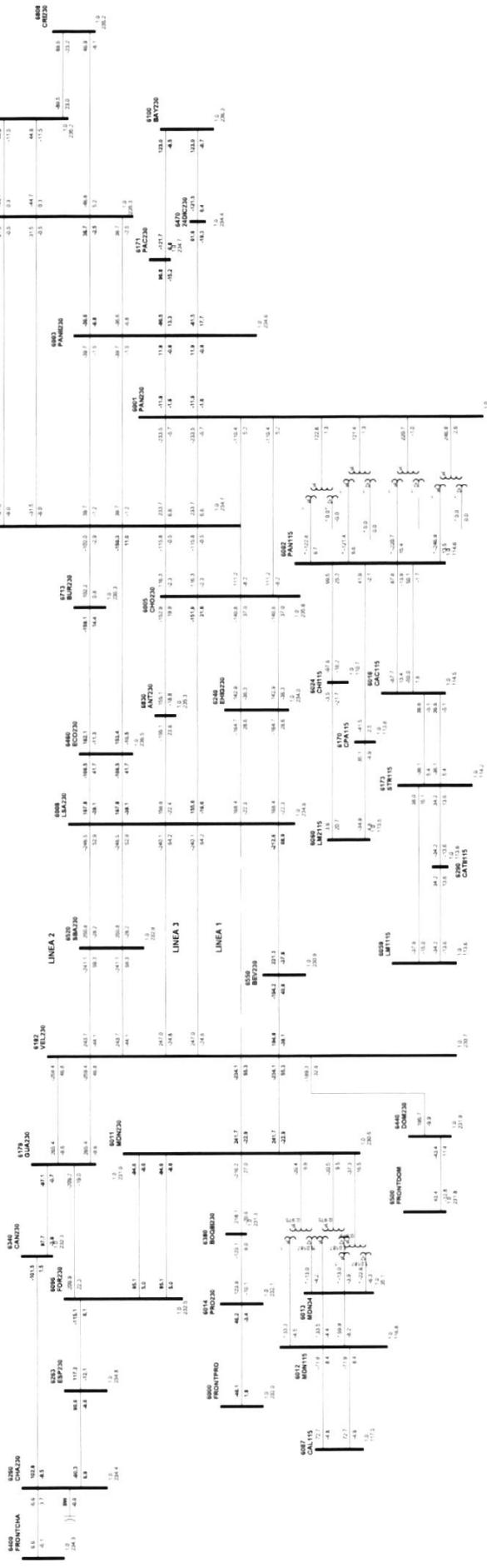
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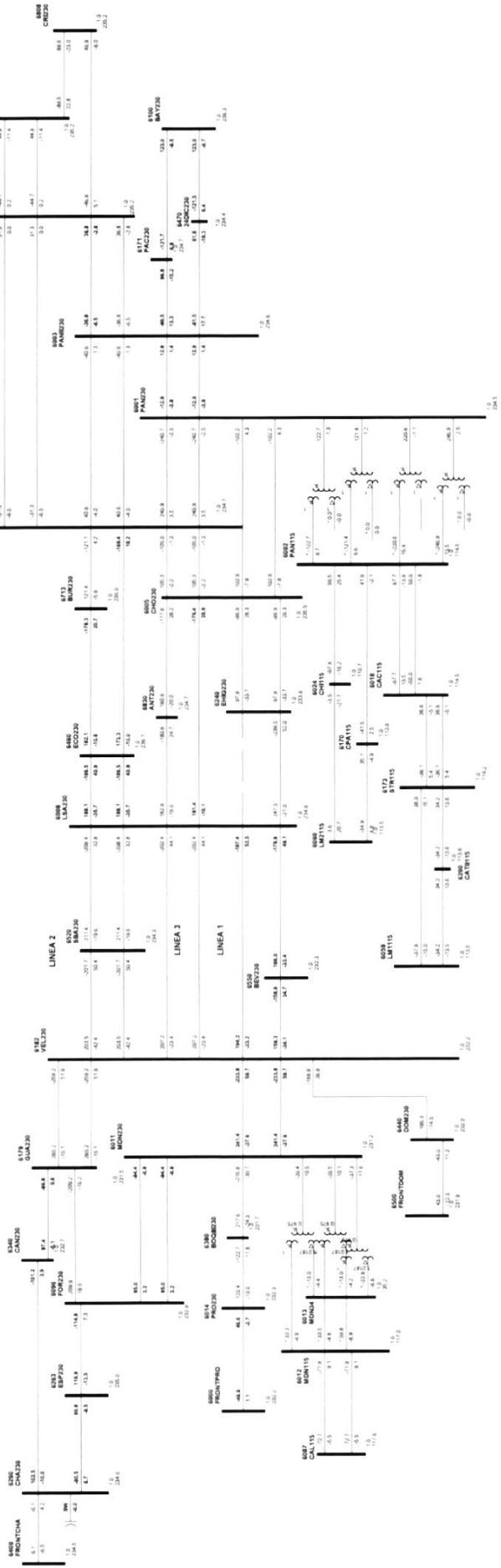
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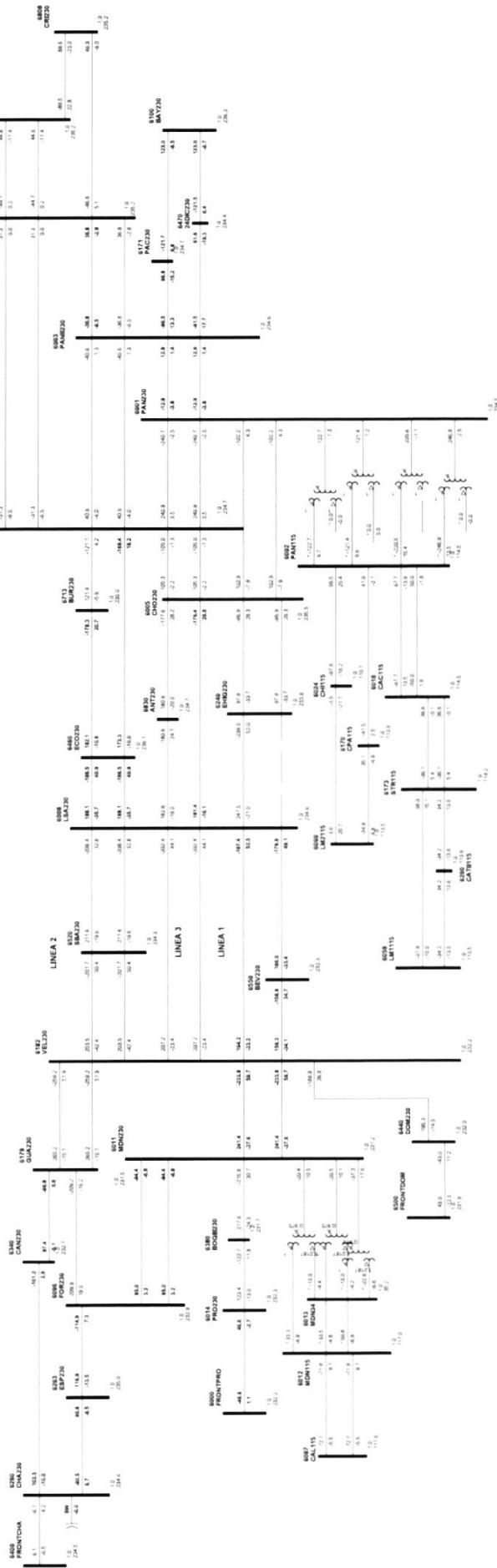
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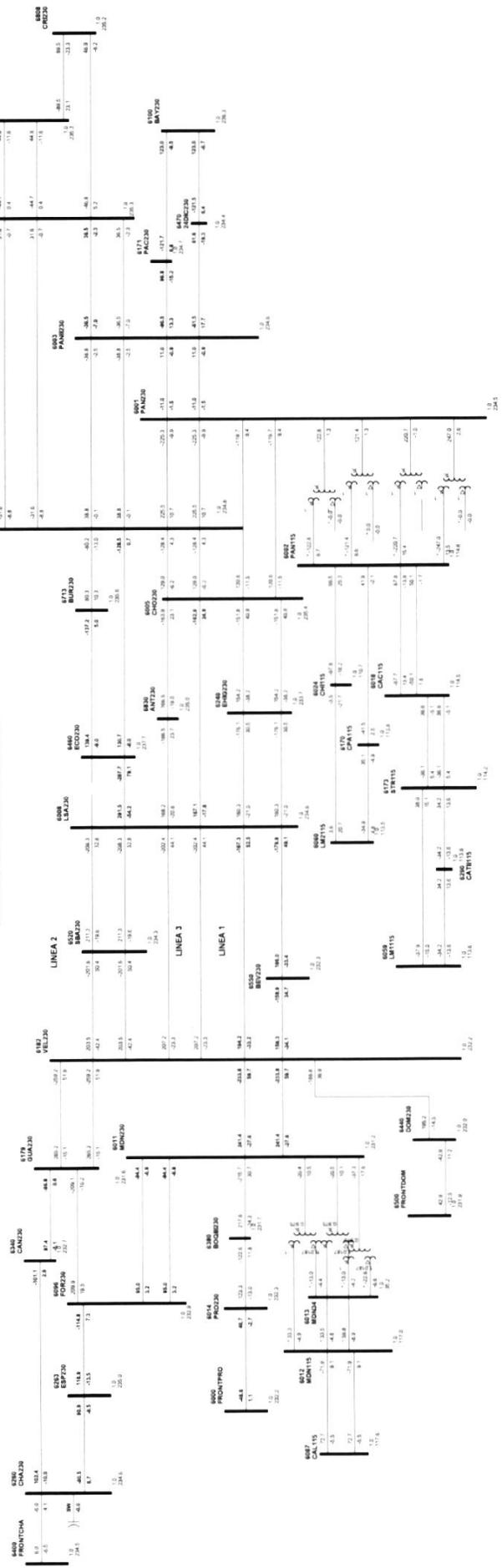
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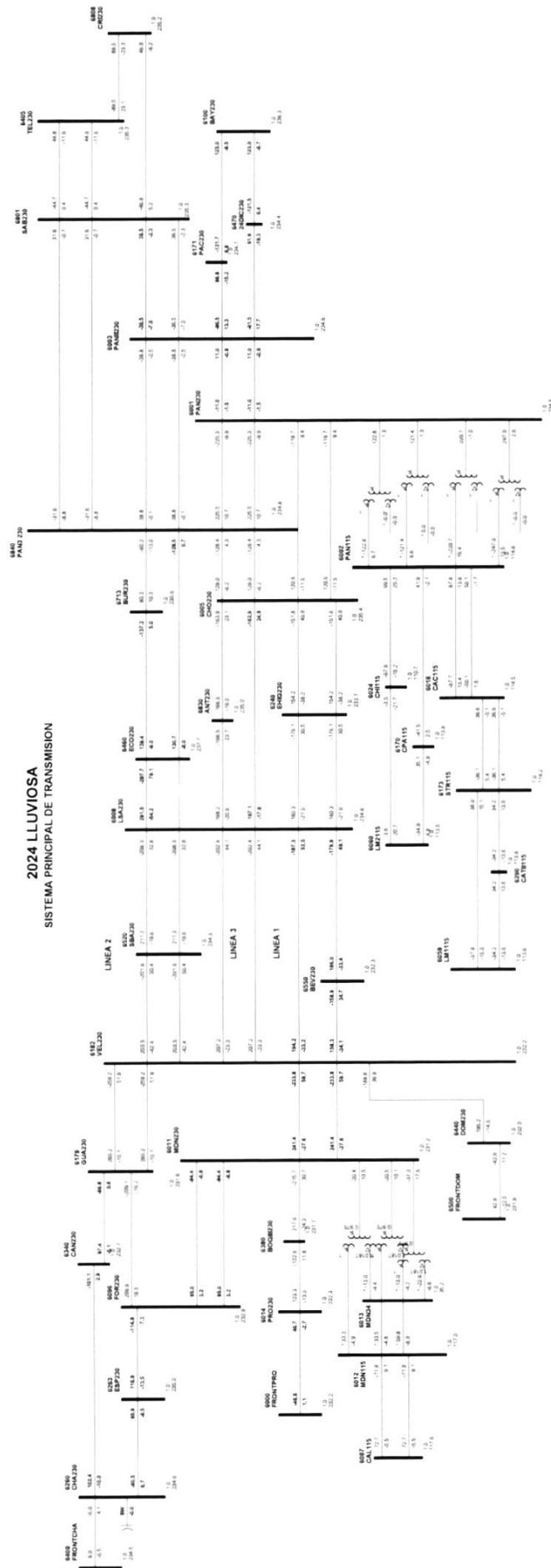
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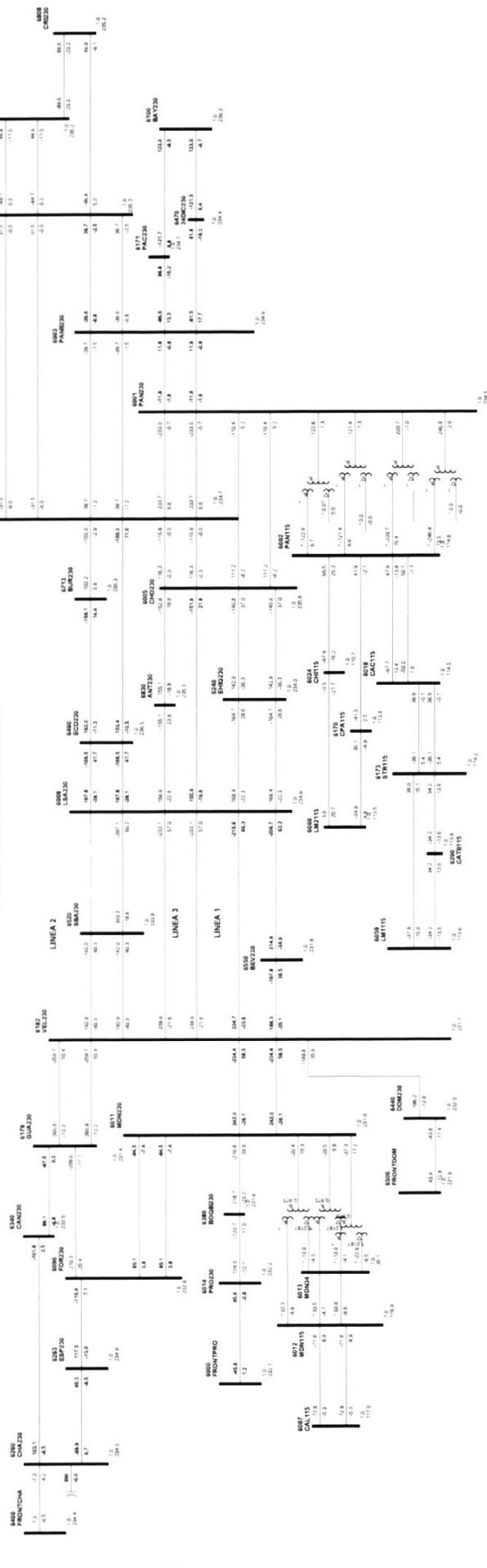
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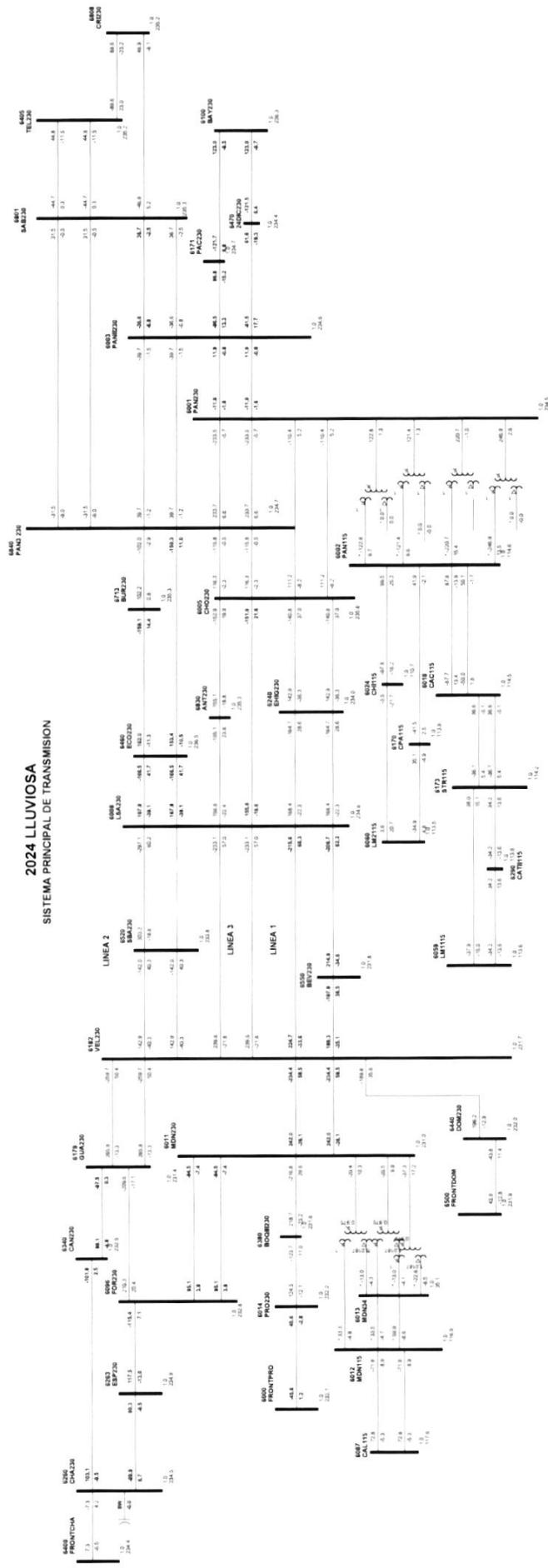
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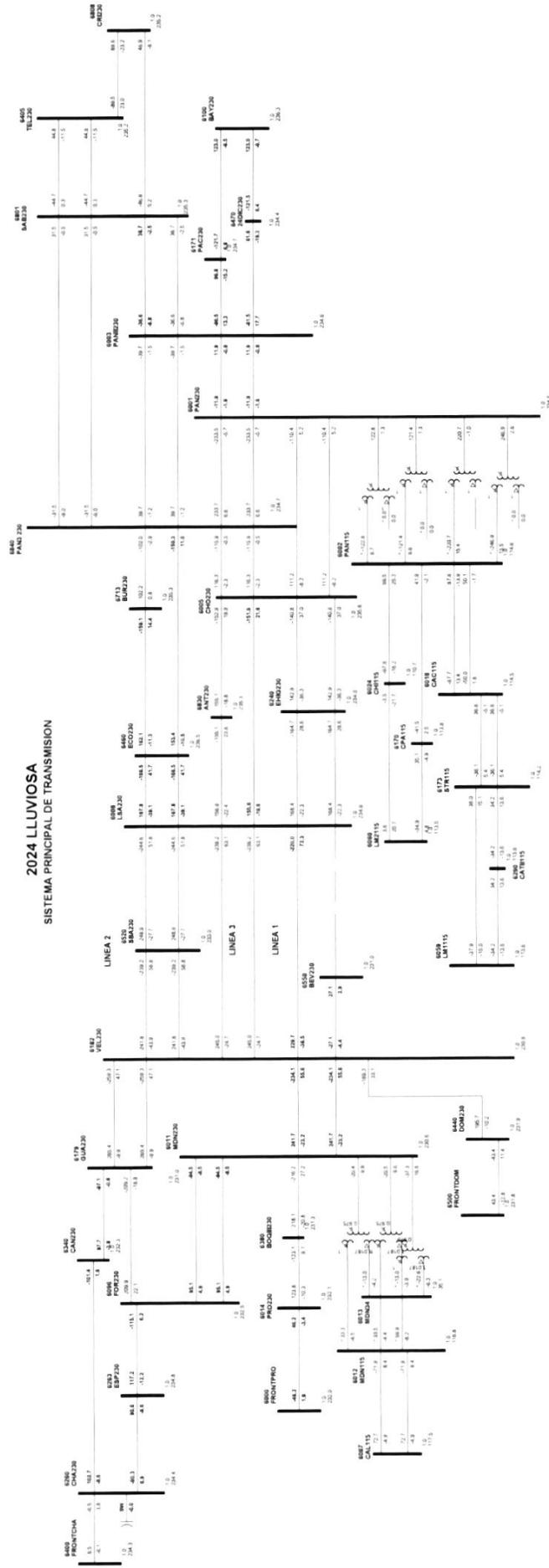
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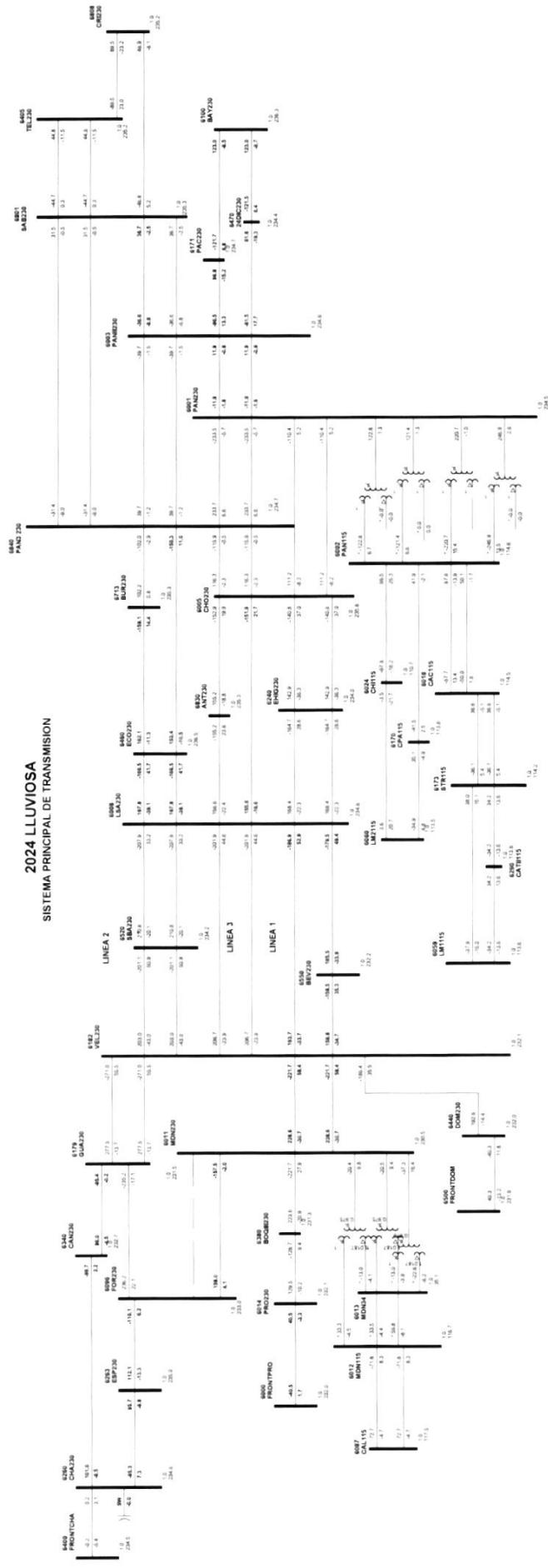






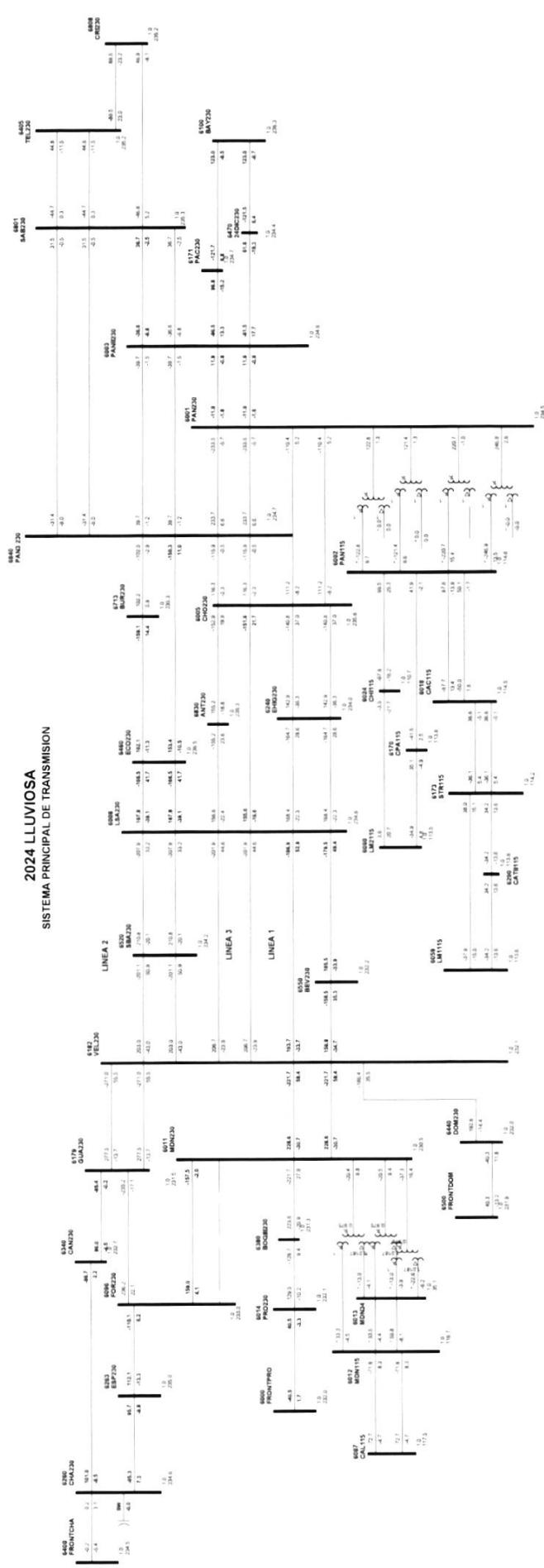
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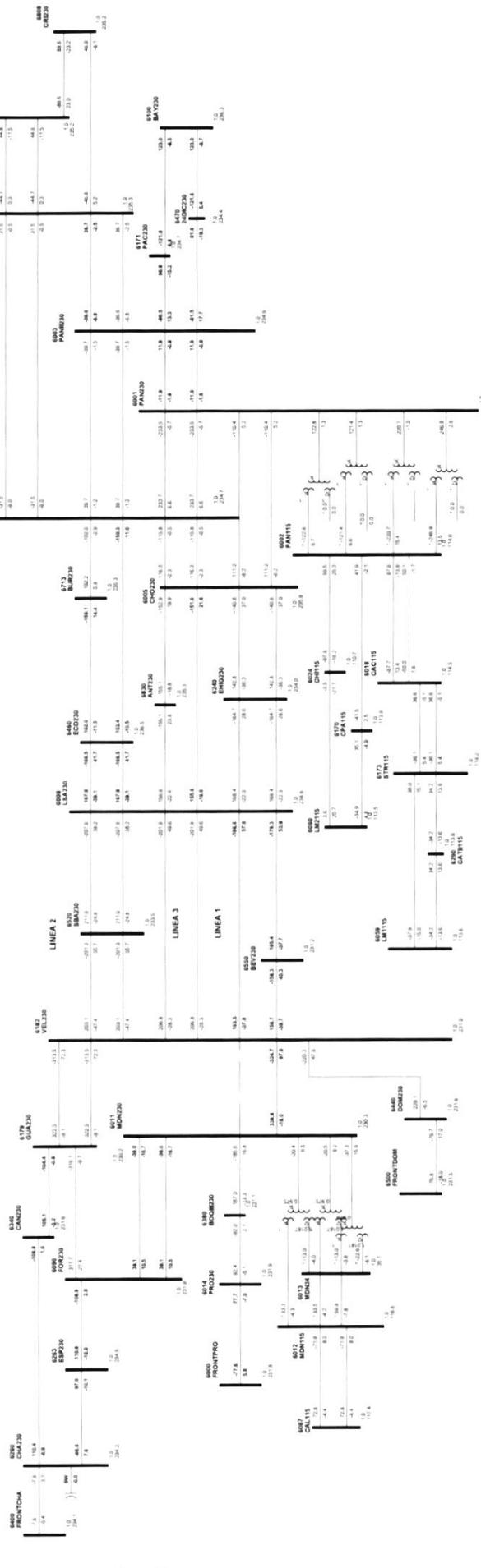
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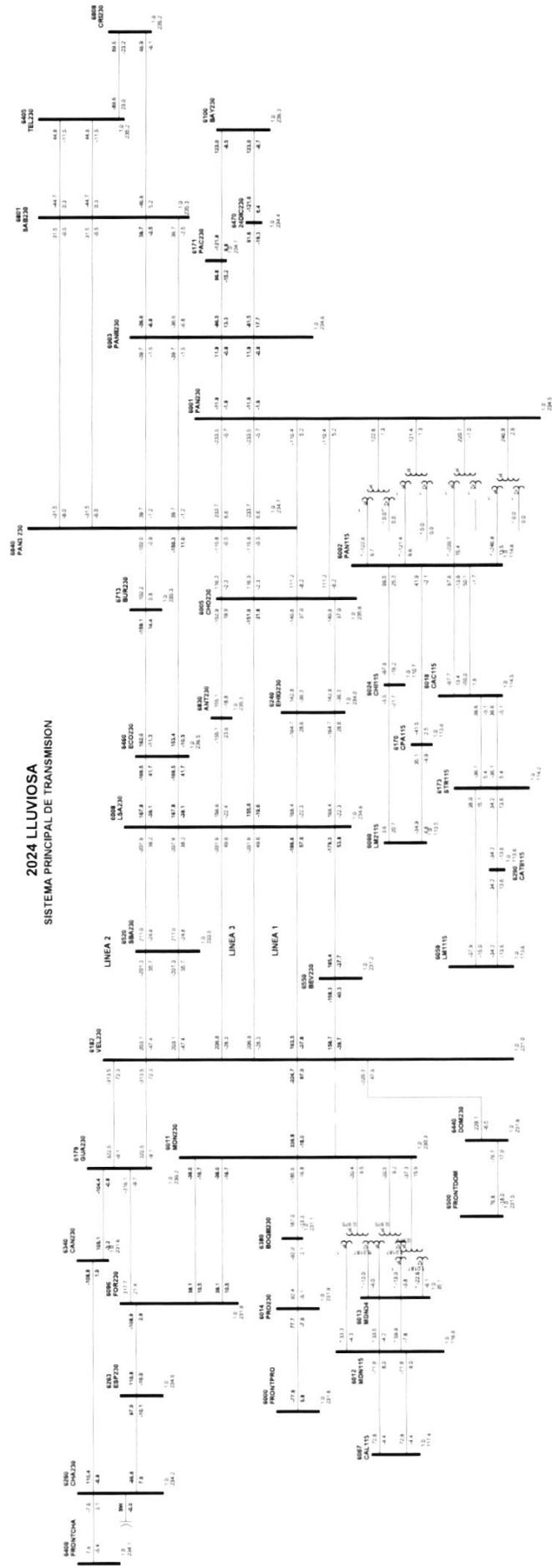
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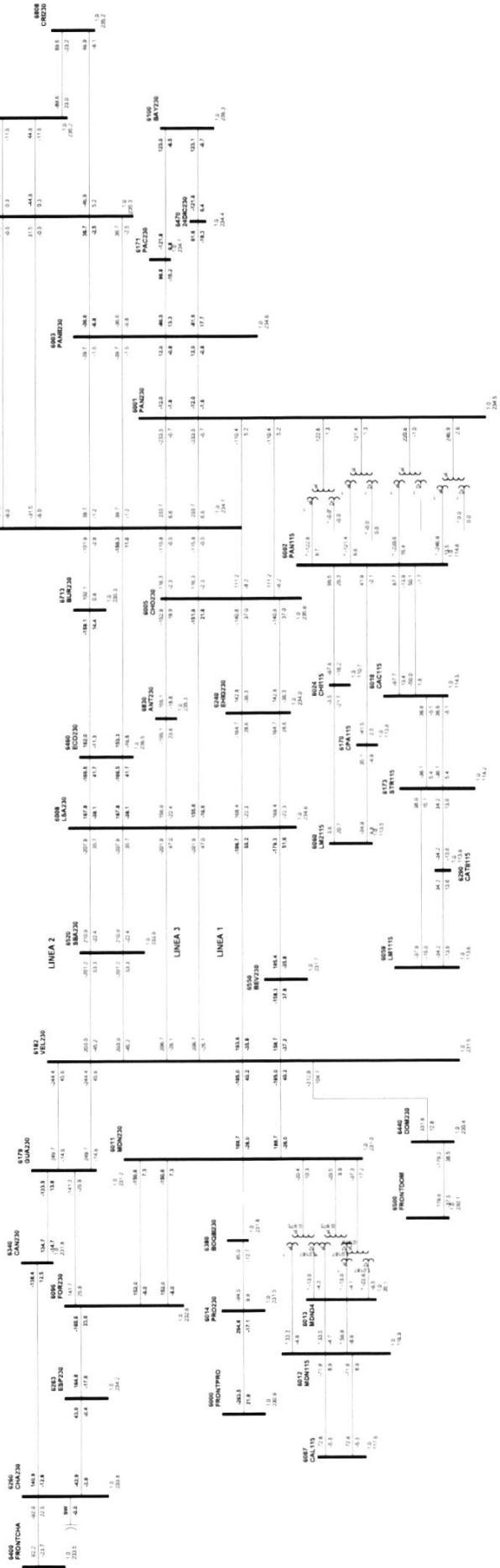
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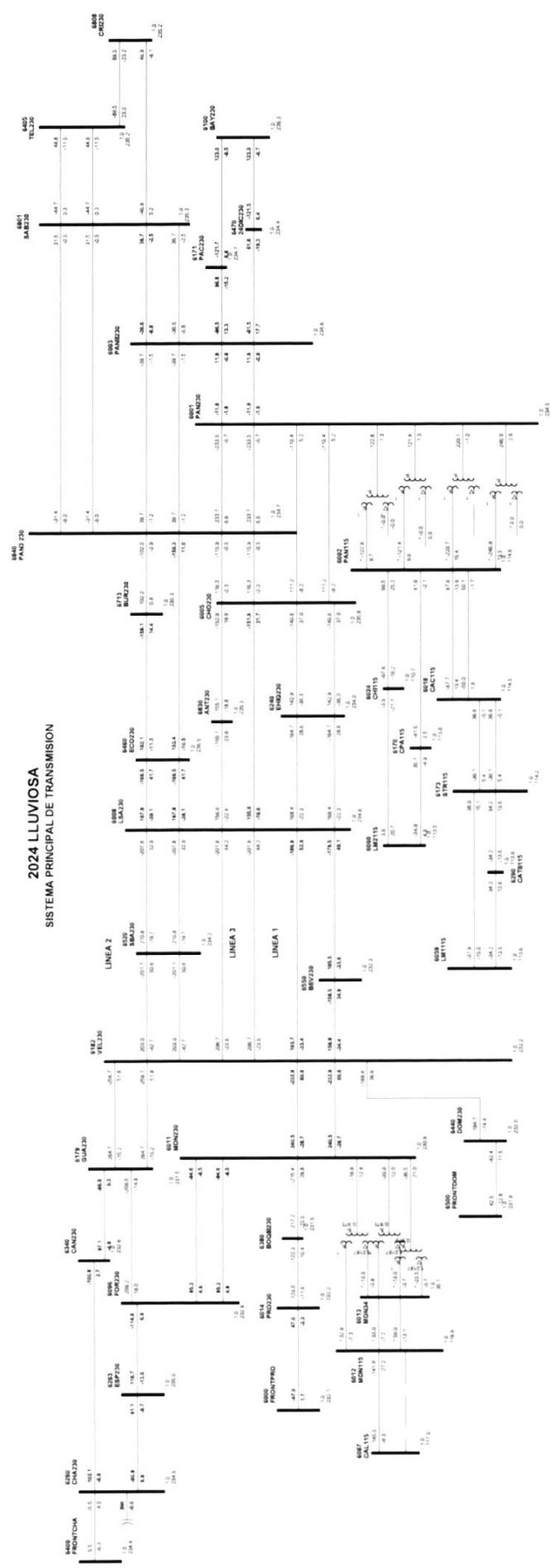


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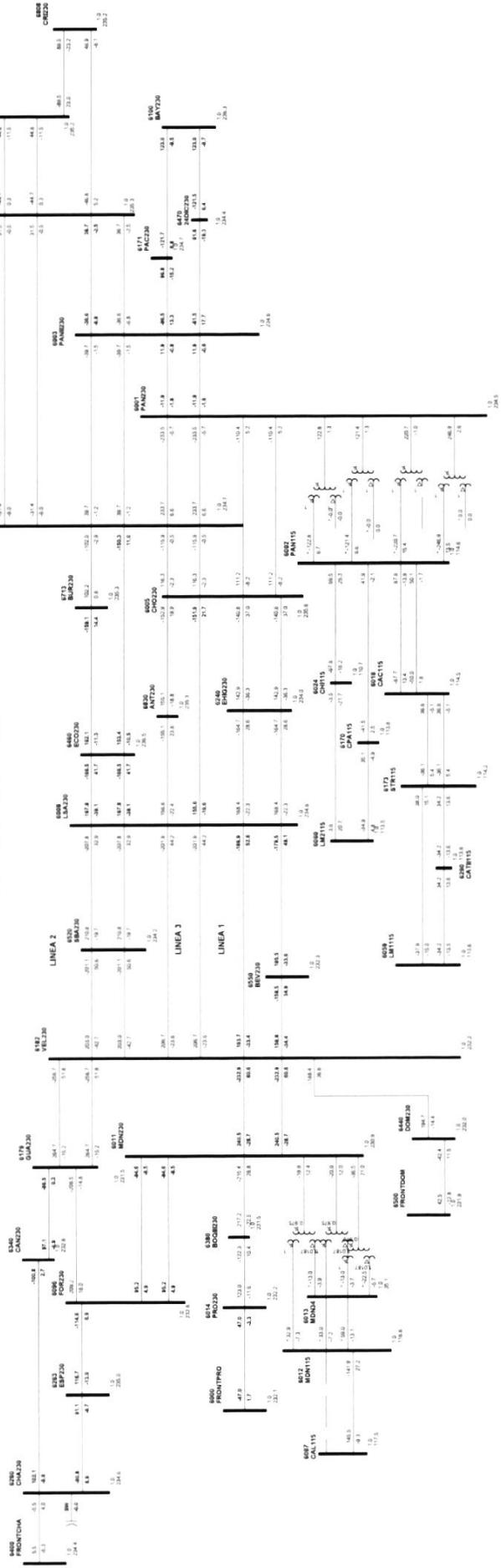
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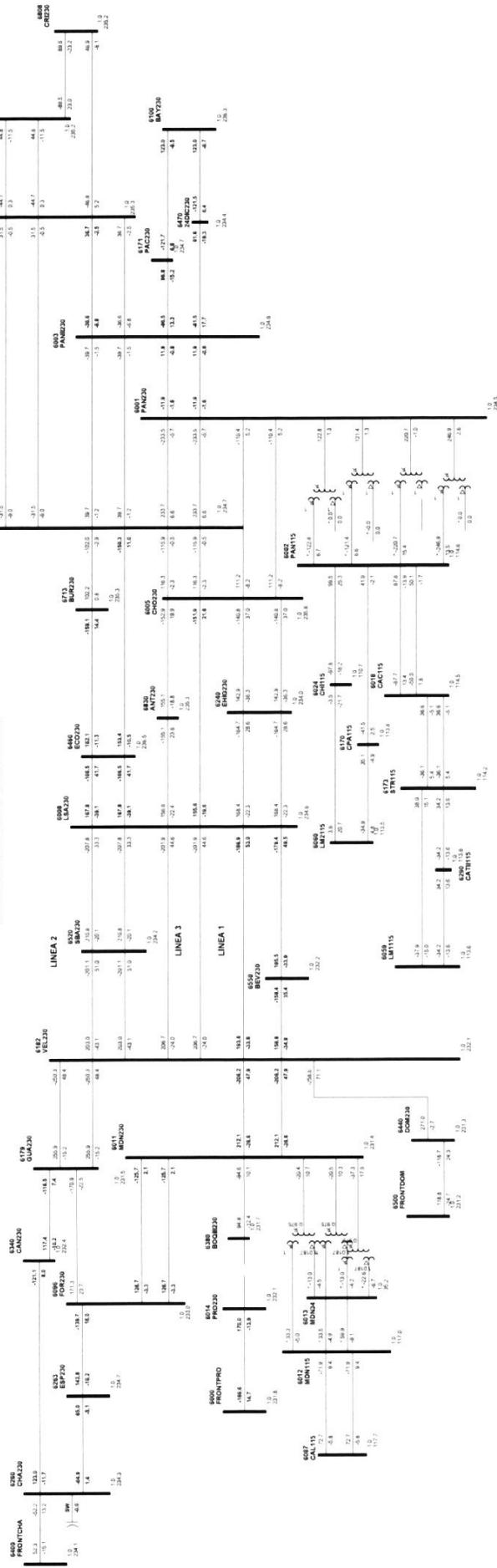
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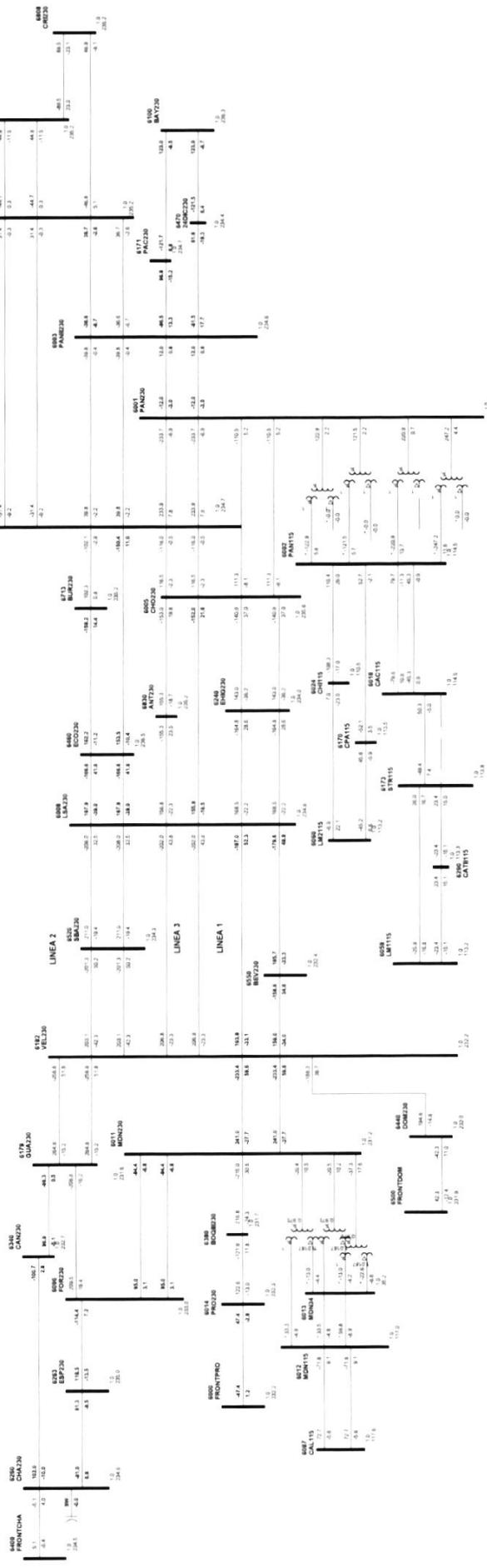
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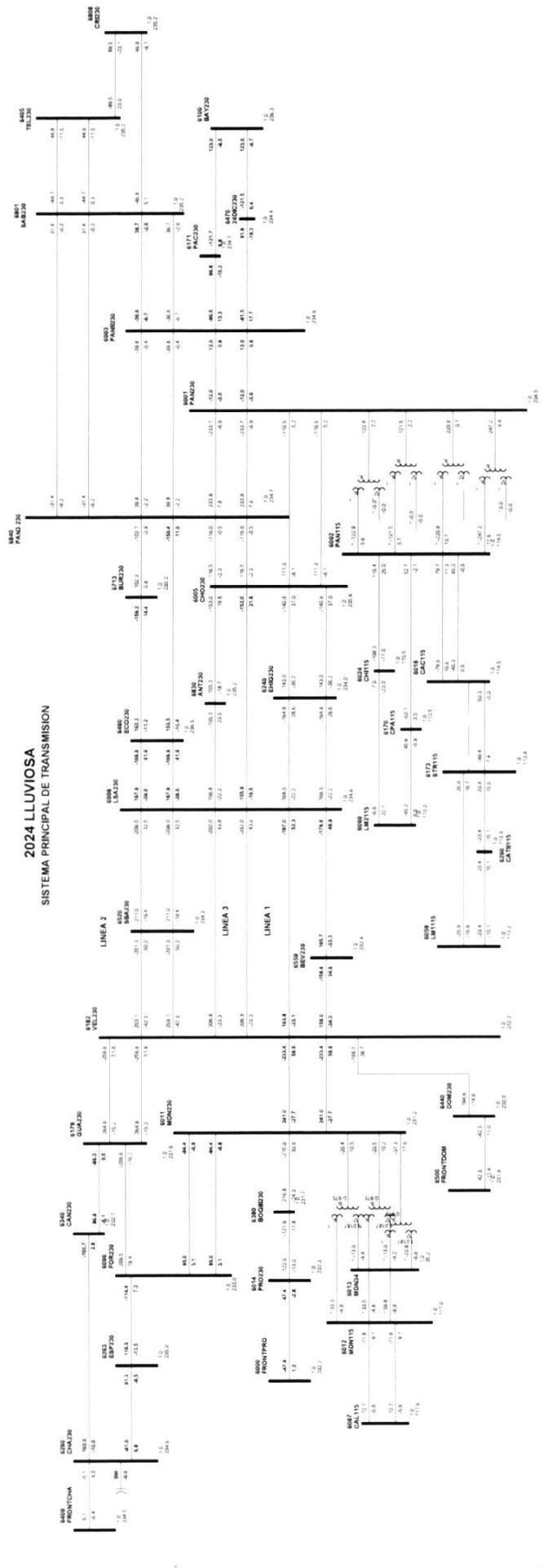
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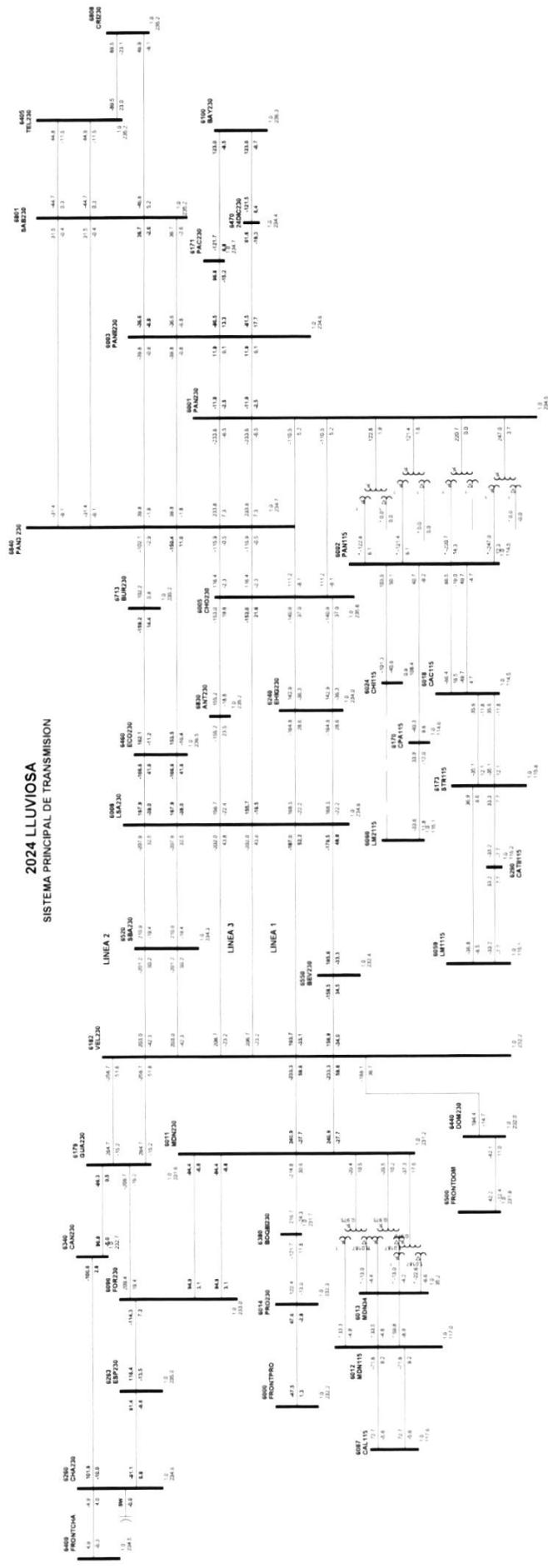
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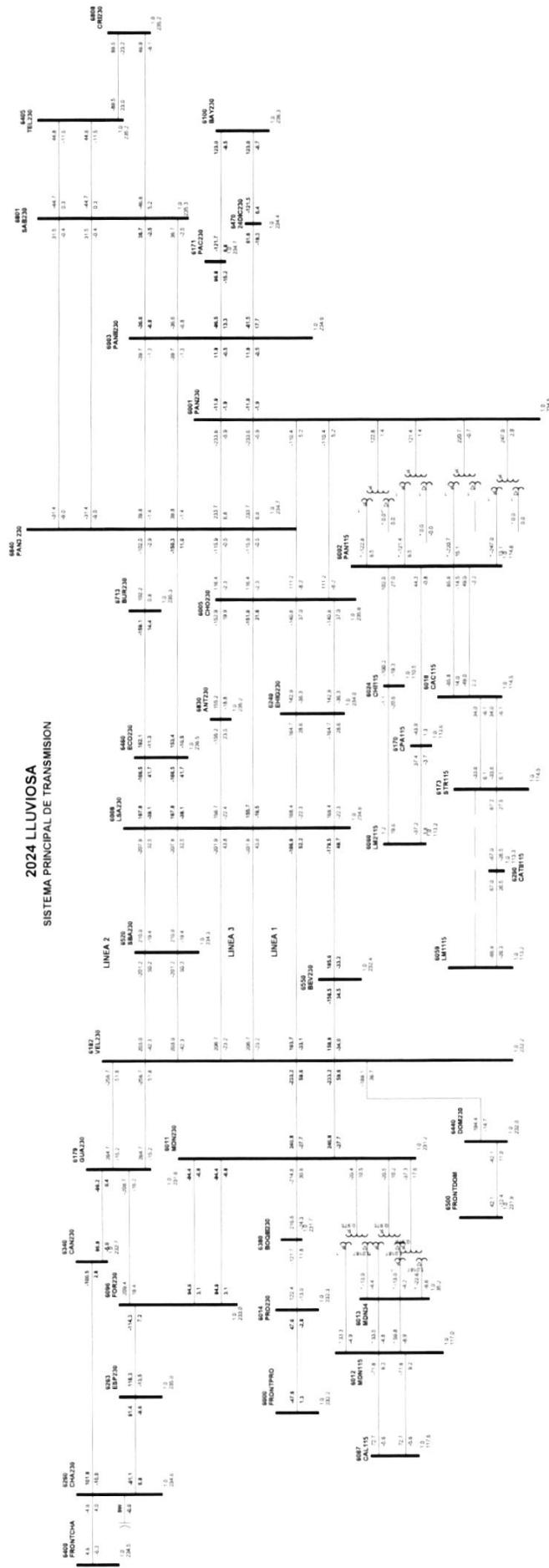
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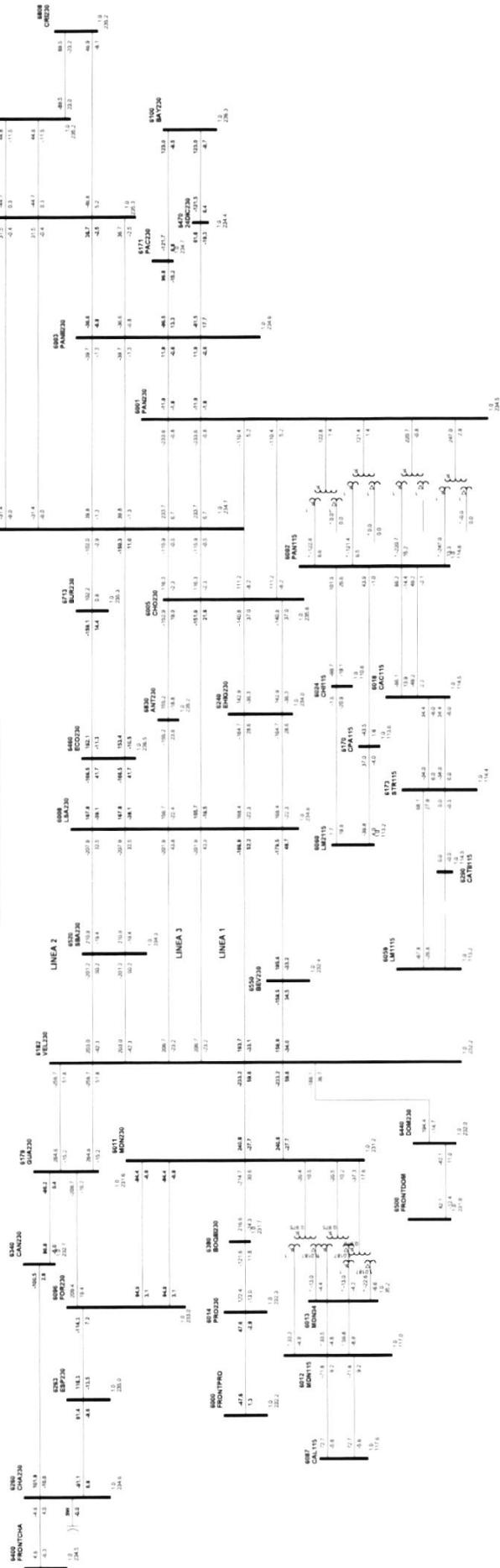
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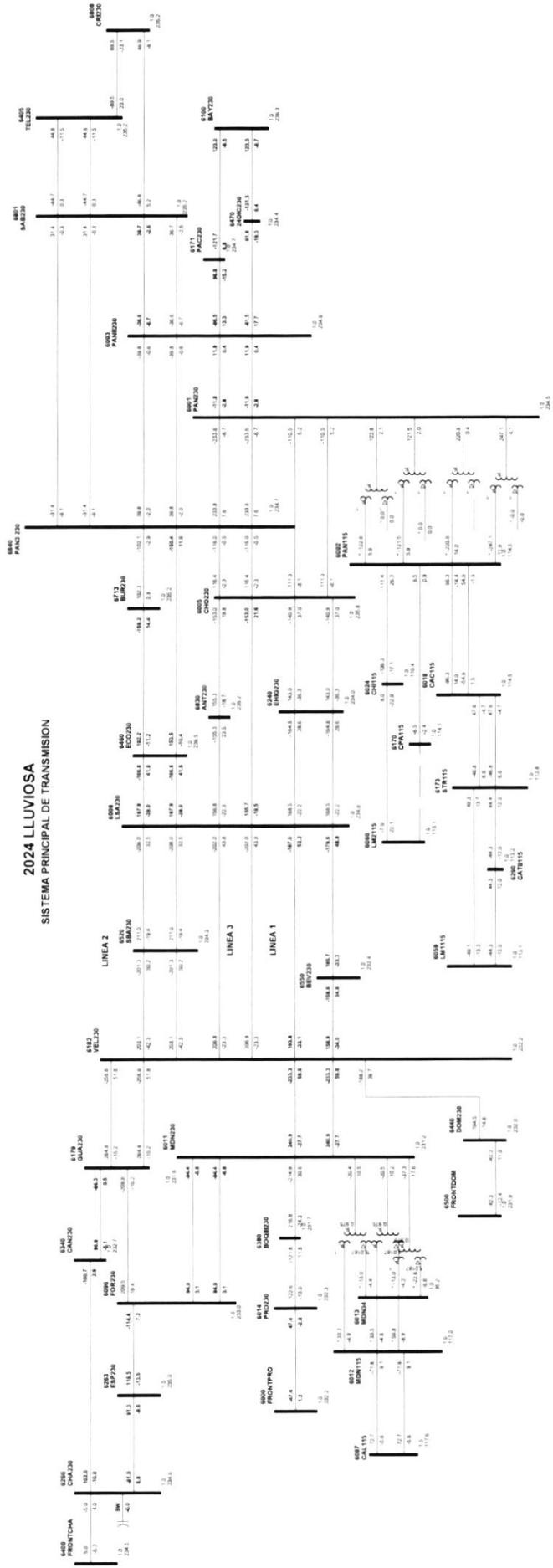
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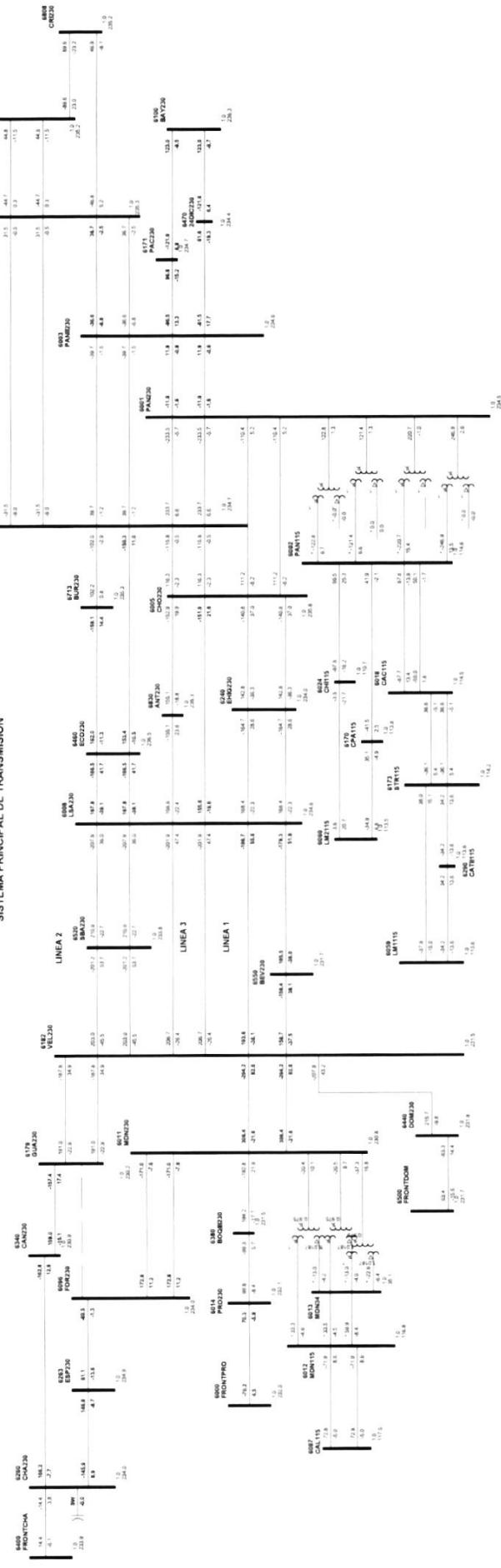
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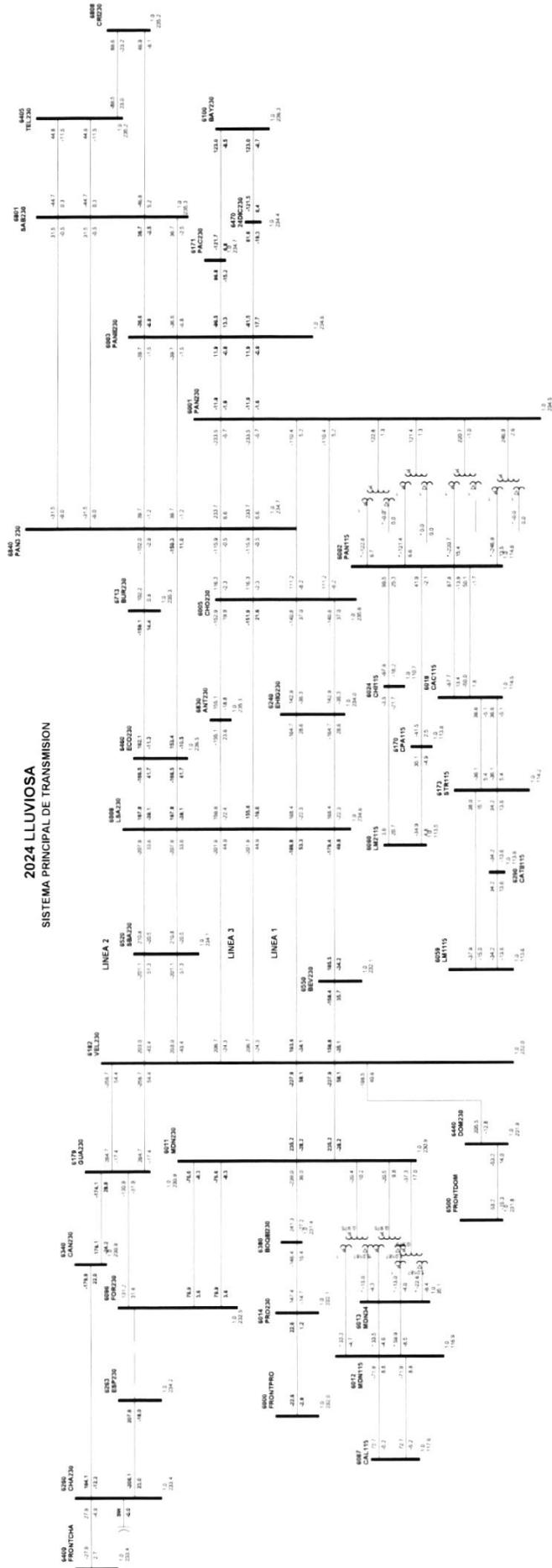
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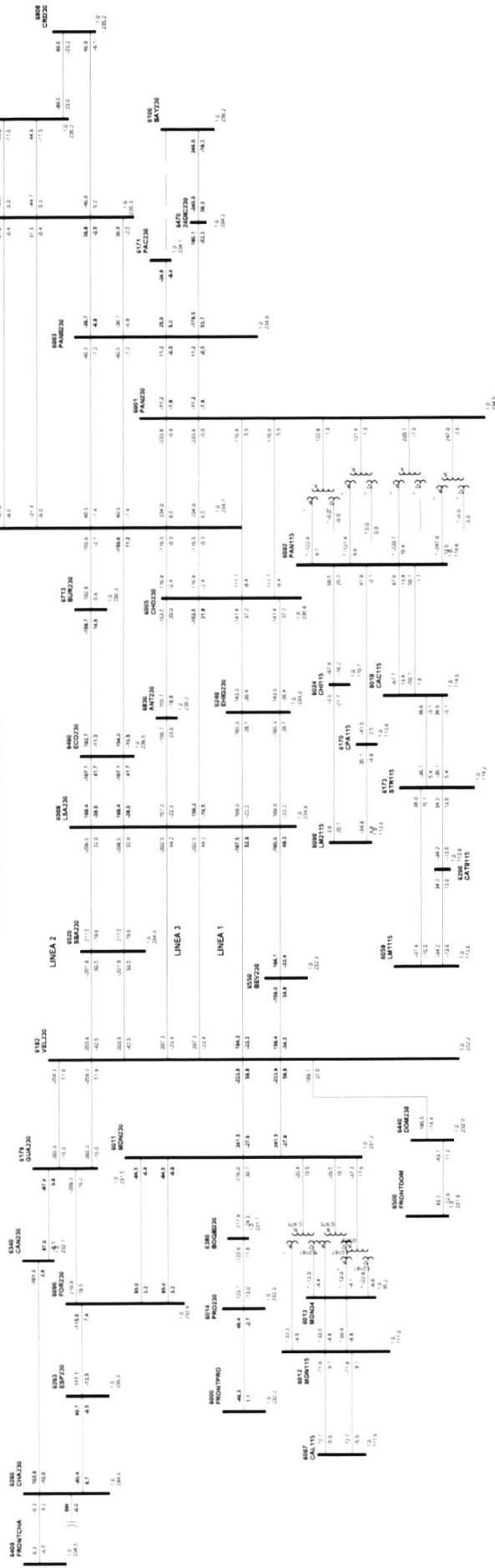
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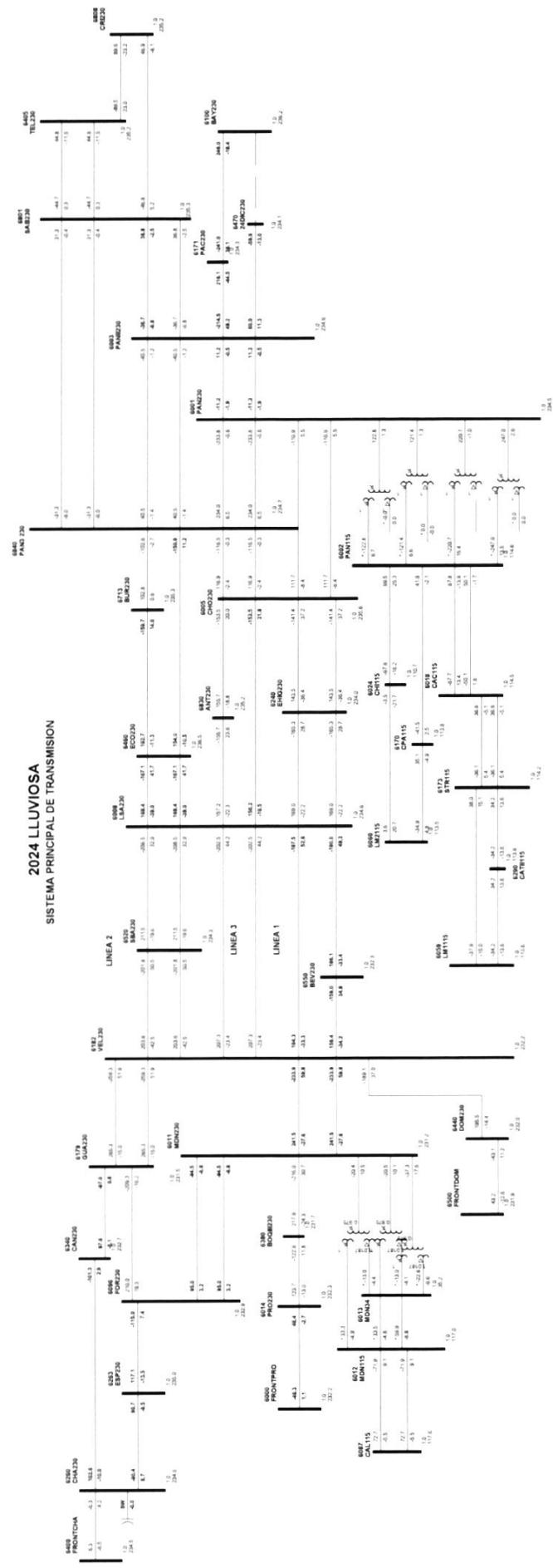
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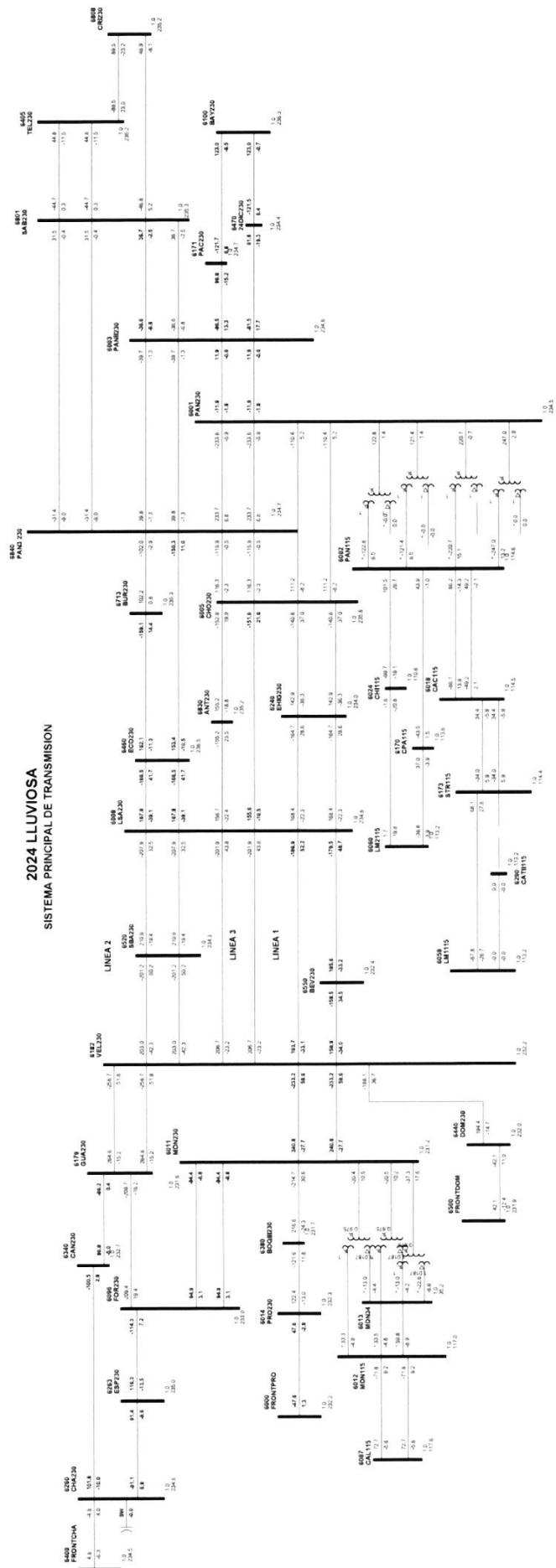
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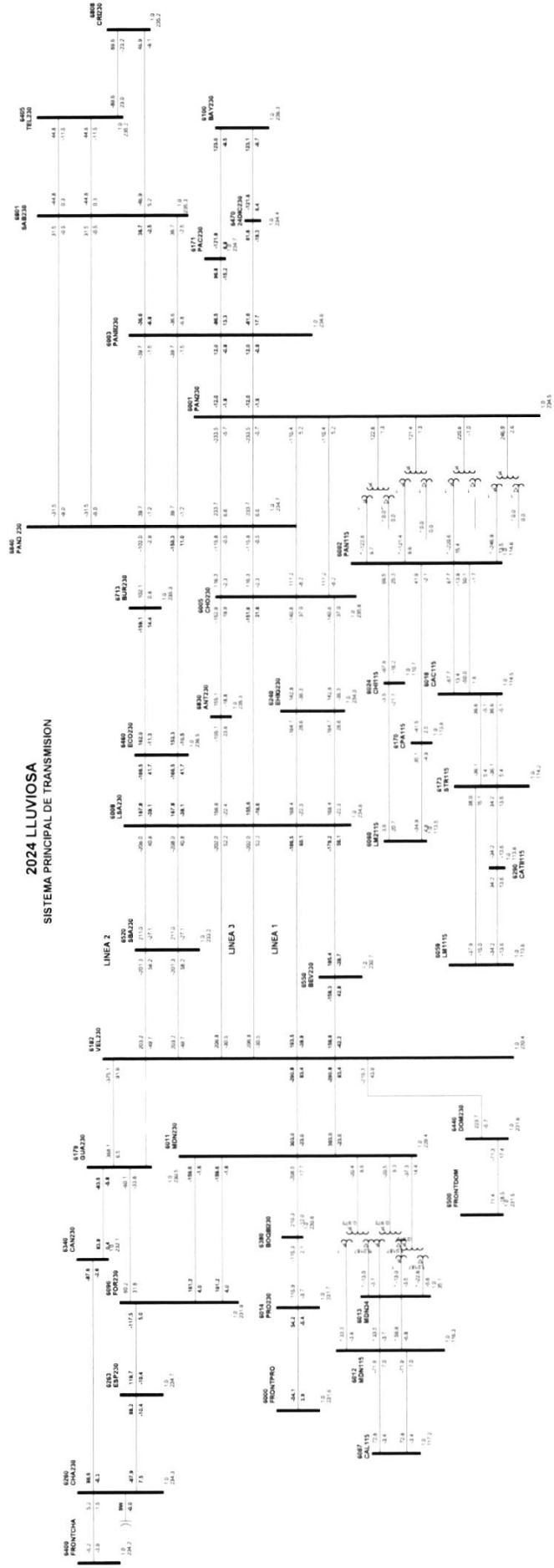
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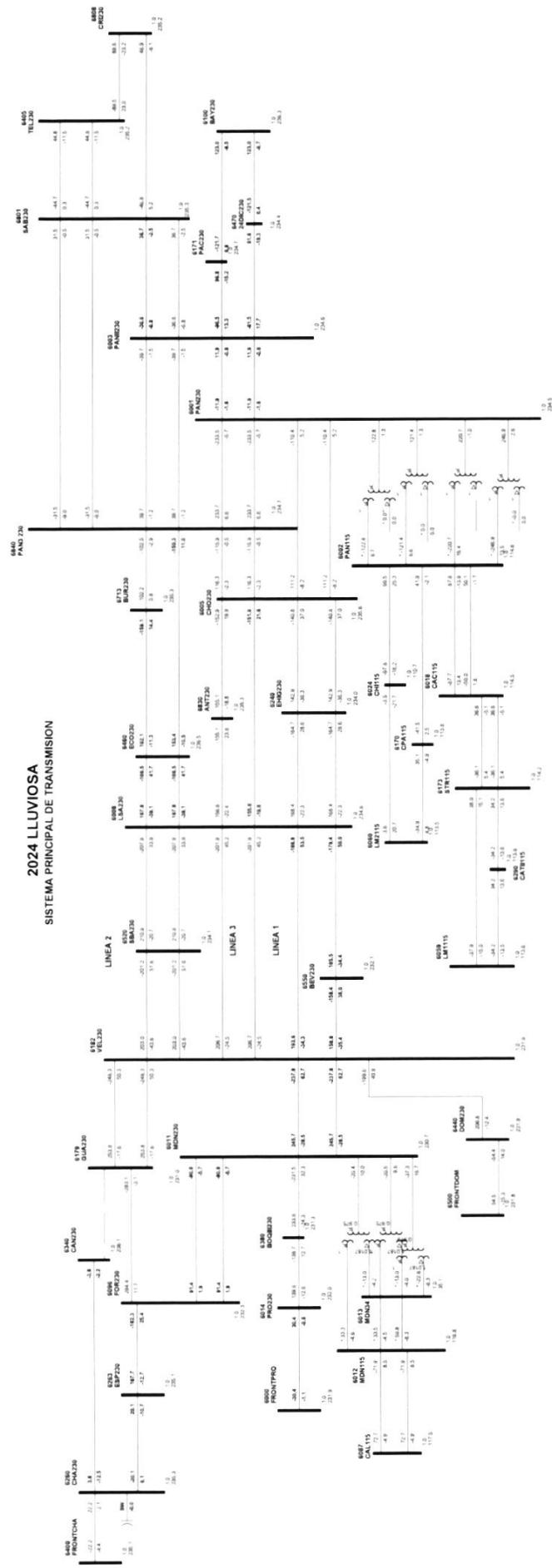
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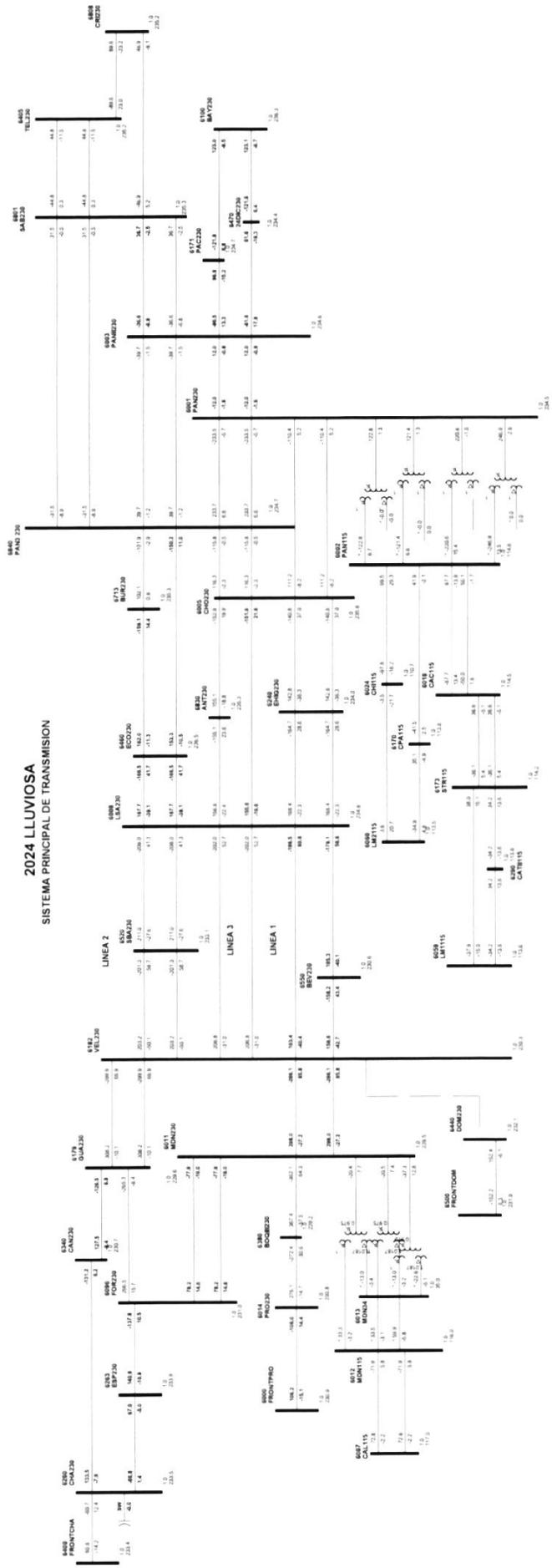
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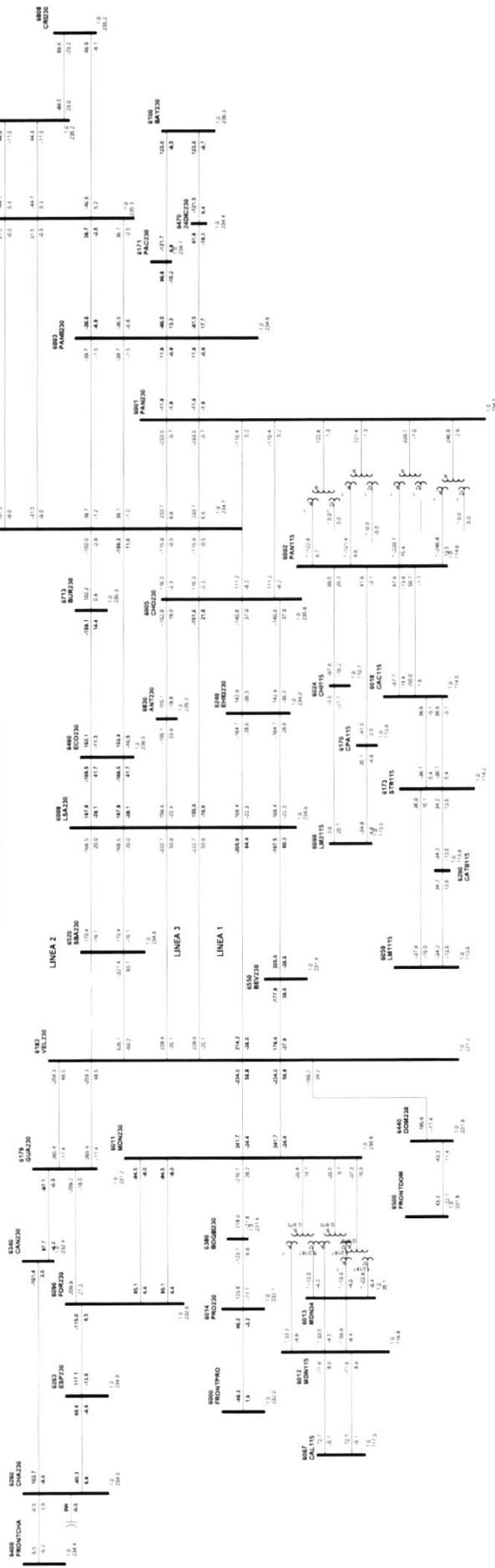
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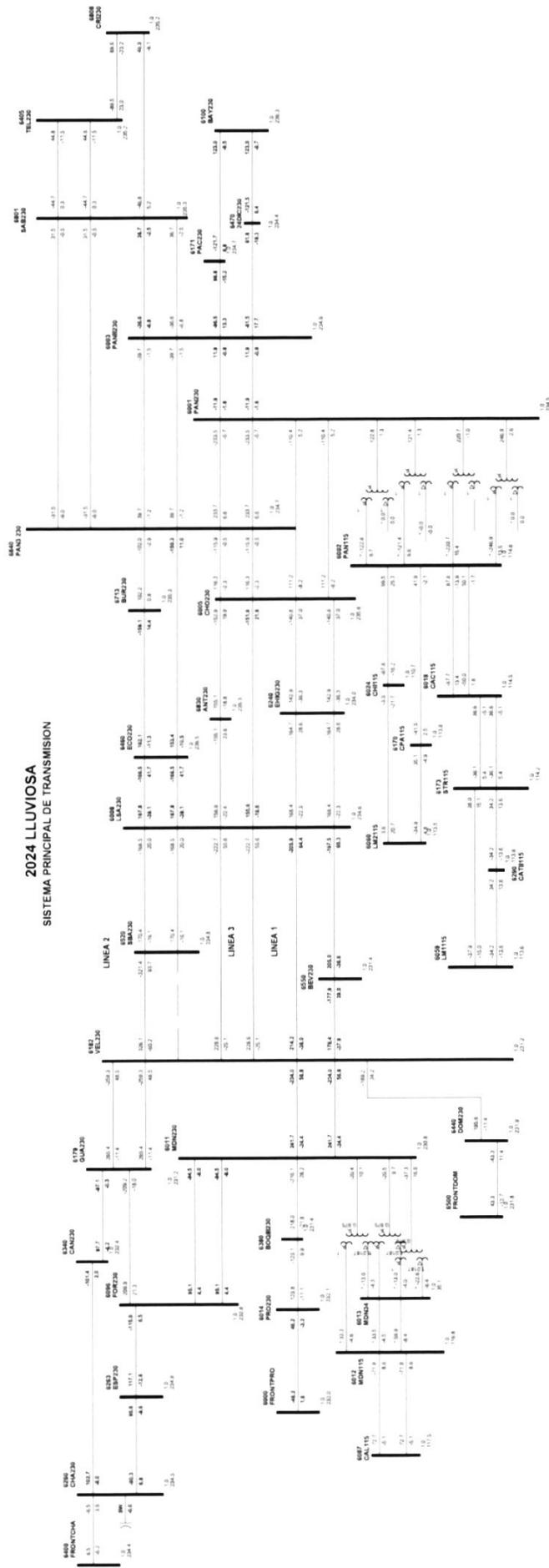
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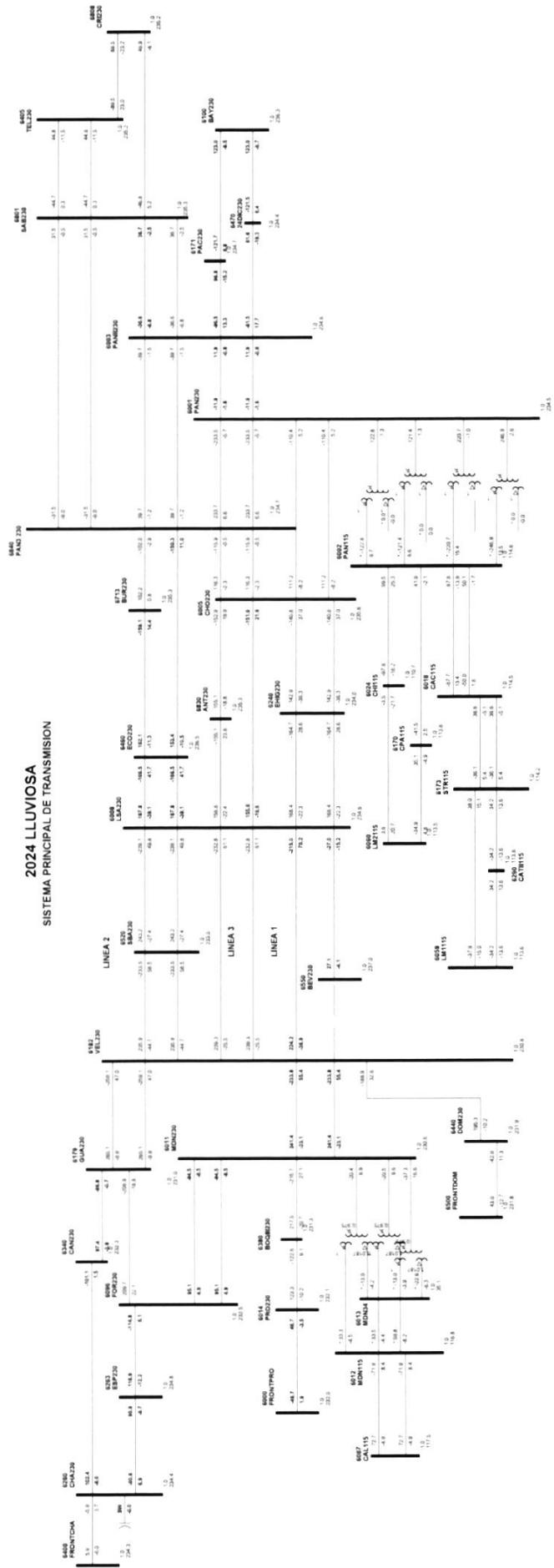
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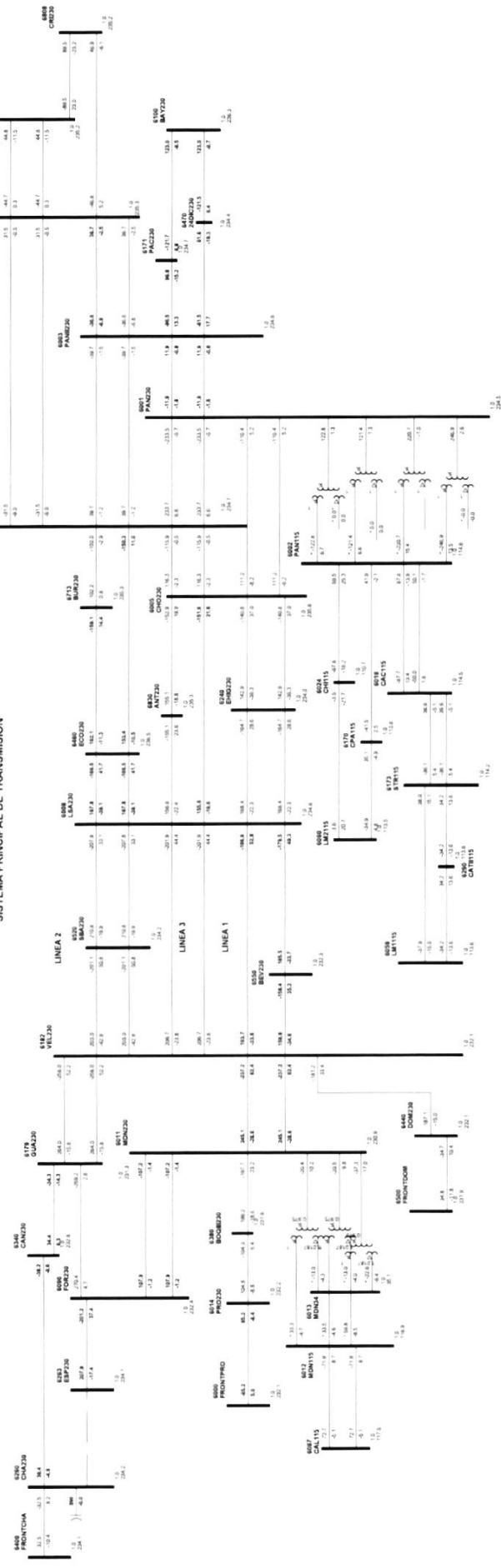
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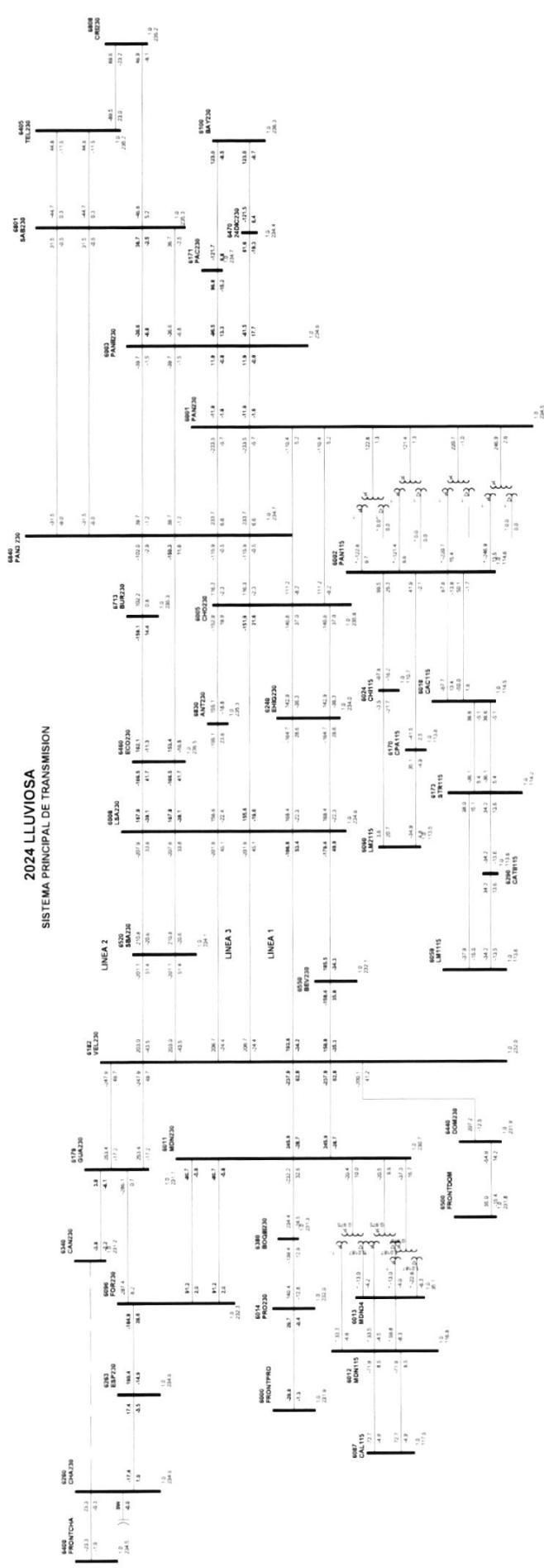
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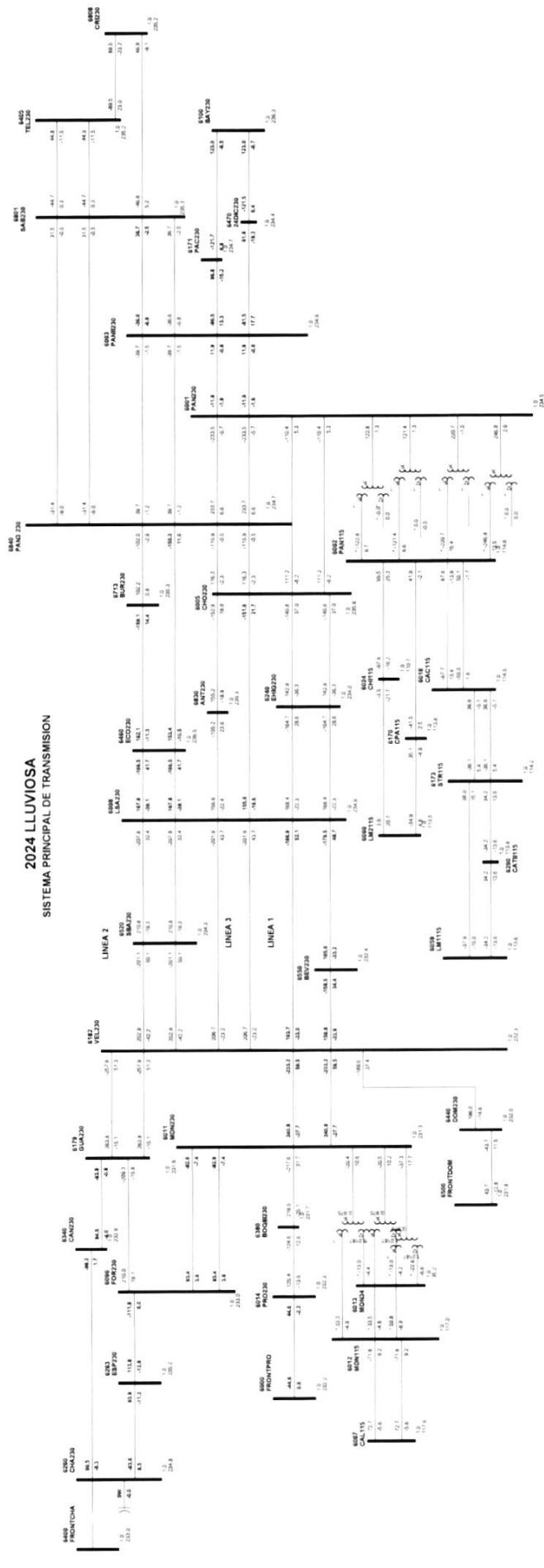
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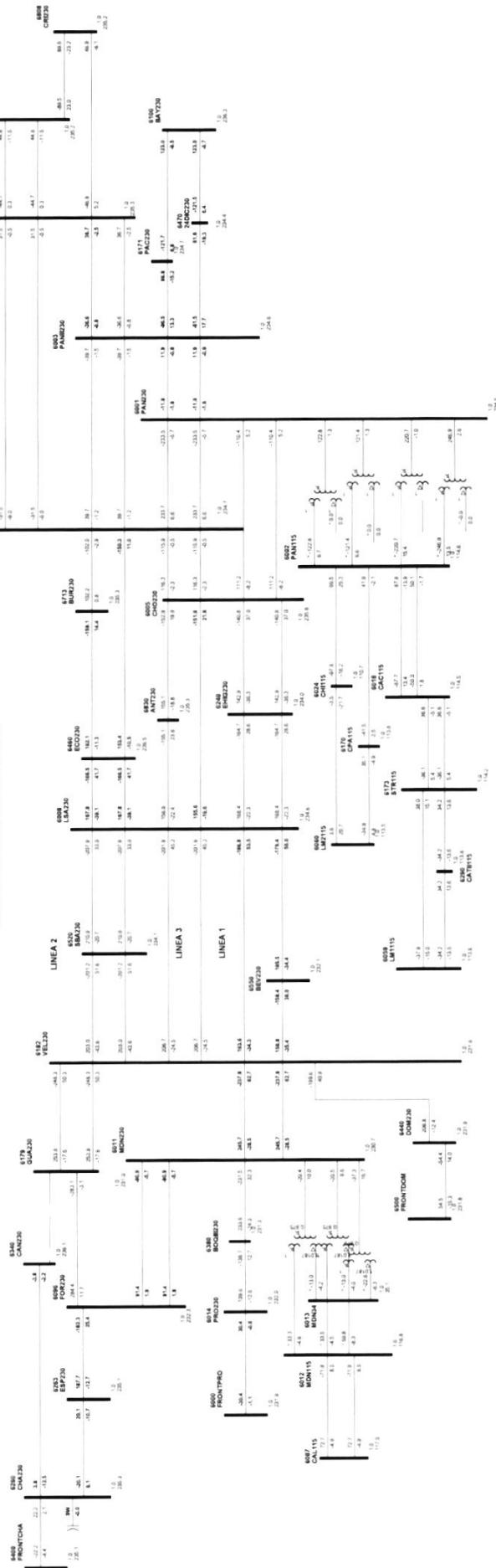
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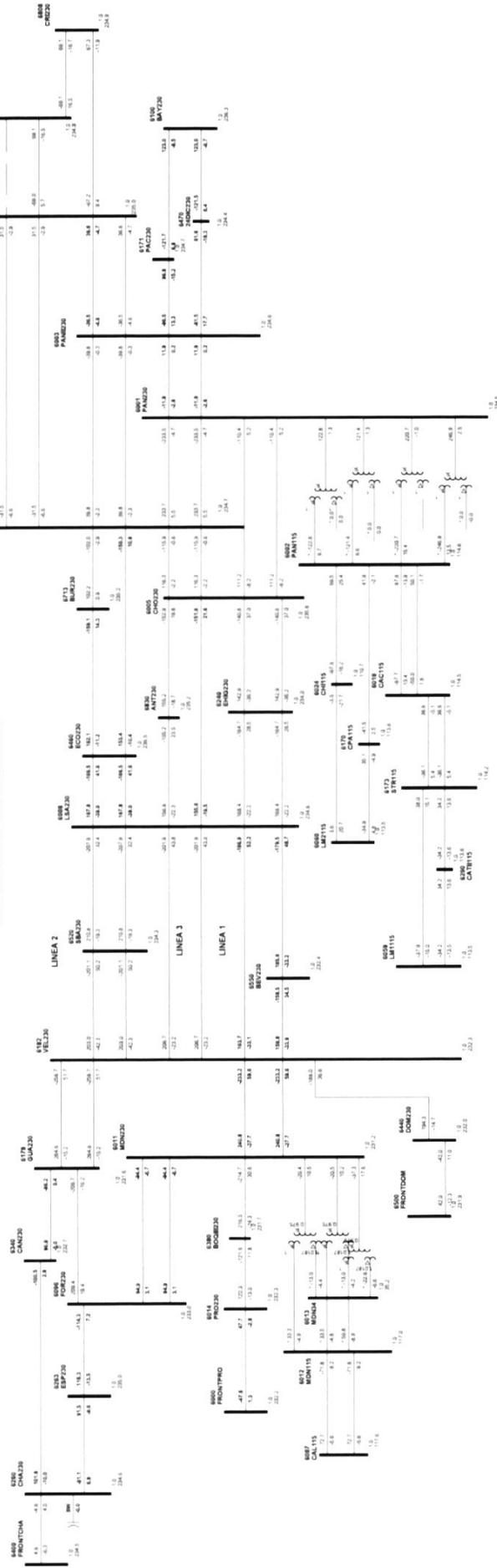
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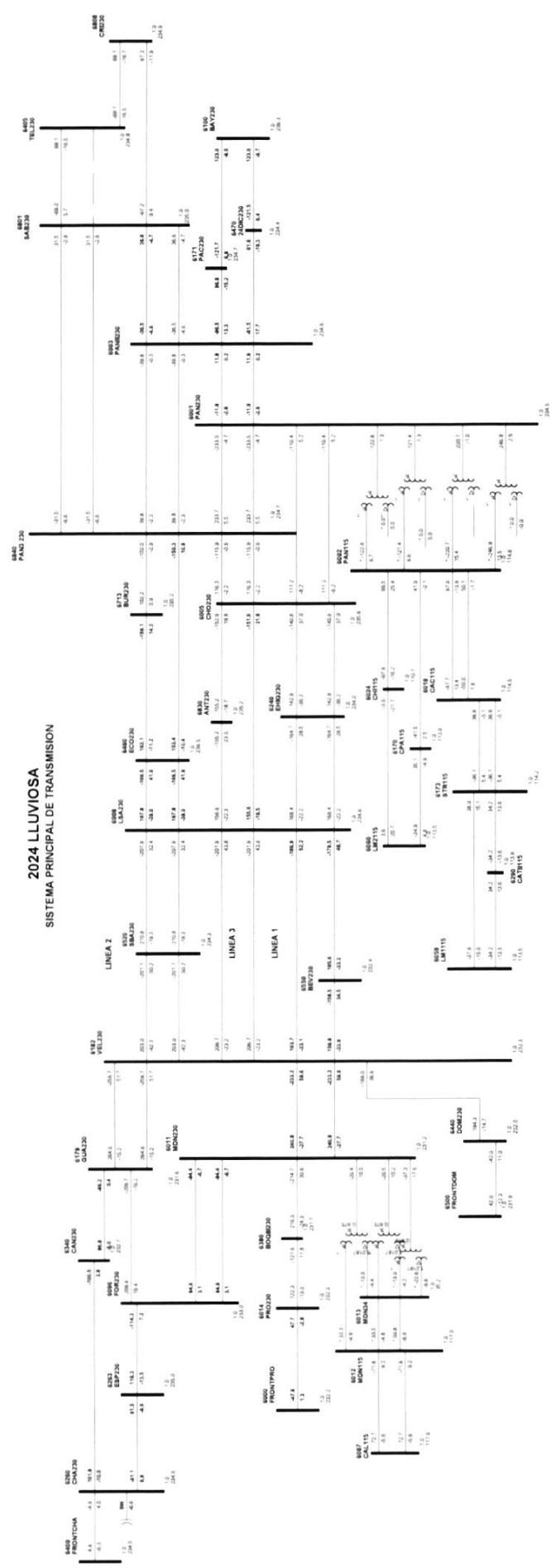
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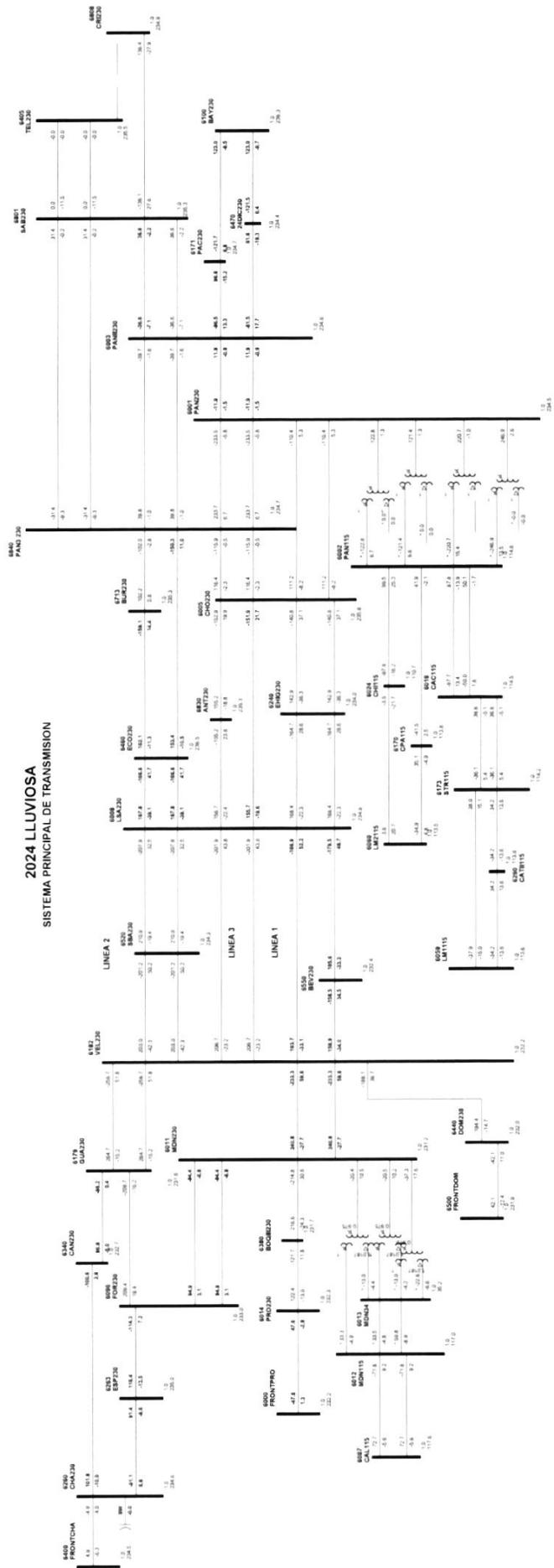
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C68-6405-6808-1

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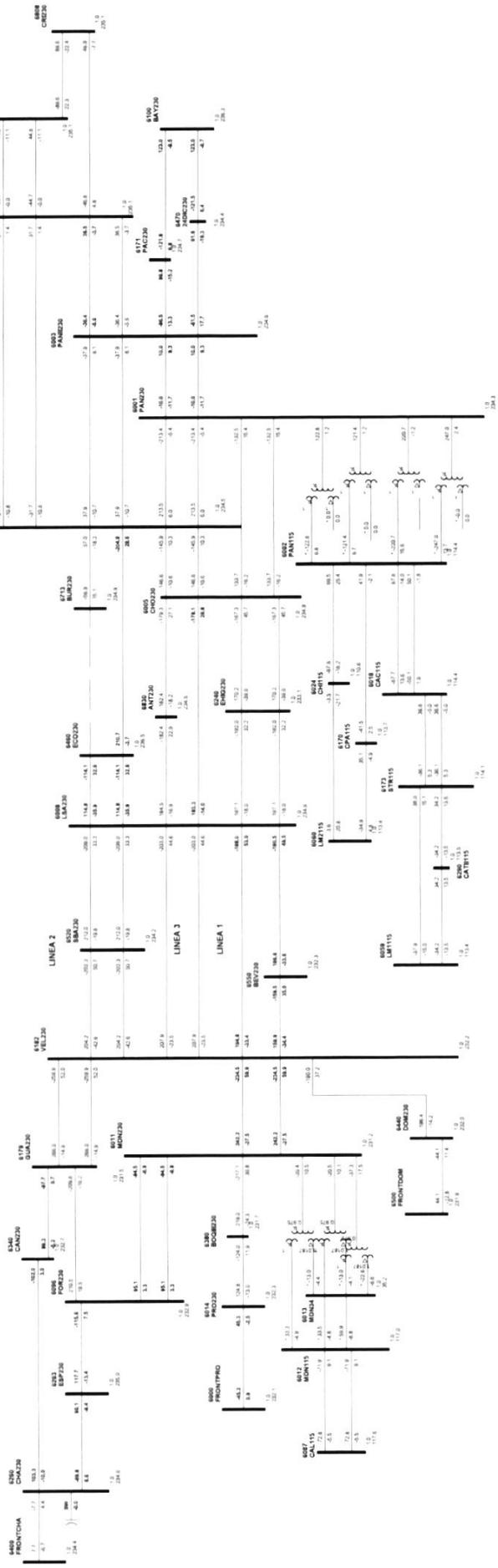






C70-6460-6713-2B

2024 LLUVIOSA  
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C71-6460-6840-3B

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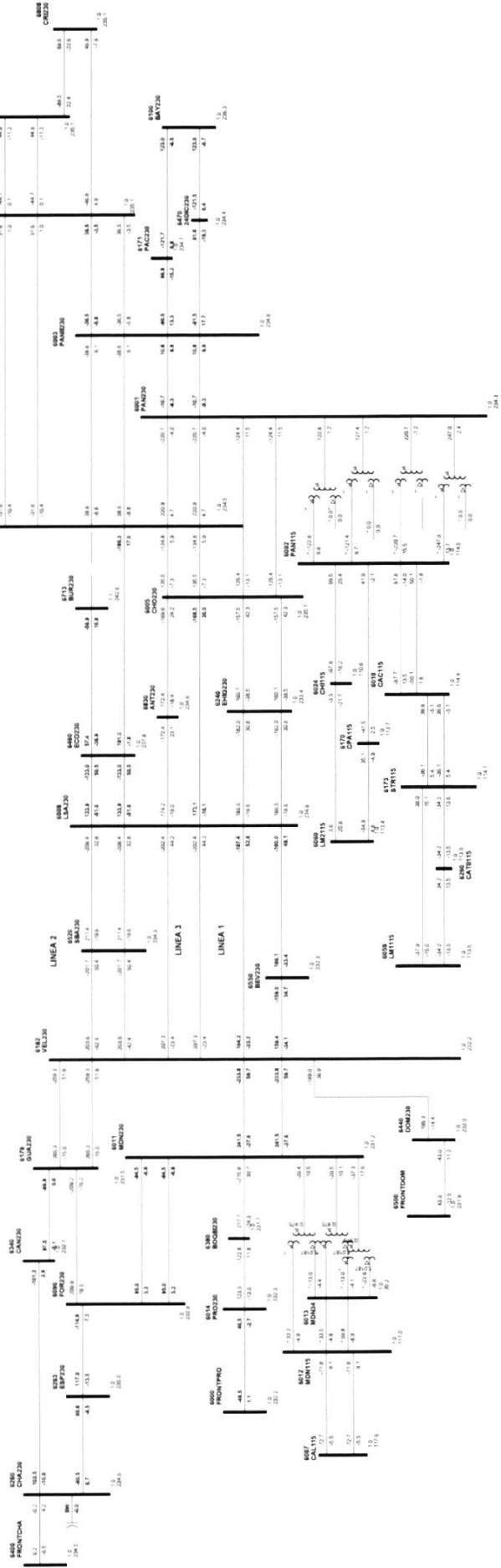
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6505 PRONTICHA	7.4	2.4	4.4	4.4	4.4
6506 CANZUN	12.2	12.2	12.2	12.2	12.2
6507 CHAZUN	1.0	1.0	1.0	1.0	1.0
6508 CANZUN	1.0	1.0	1.0	1.0	1.0
6509 CANZUN	1.0	1.0	1.0	1.0	1.0
6510 CANZUN	1.0	1.0	1.0	1.0	1.0
6511 MONZUN	1.0	1.0	1.0	1.0	1.0
6512 MONZUN	1.0	1.0	1.0	1.0	1.0
6513 MONZUN	1.0	1.0	1.0	1.0	1.0
6514 MONZUN	1.0	1.0	1.0	1.0	1.0
6515 MONZUN	1.0	1.0	1.0	1.0	1.0
6516 MONZUN	1.0	1.0	1.0	1.0	1.0
6517 MONZUN	1.0	1.0	1.0	1.0	1.0
6518 MONZUN	1.0	1.0	1.0	1.0	1.0
6519 MONZUN	1.0	1.0	1.0	1.0	1.0
6520 MONZUN	1.0	1.0	1.0	1.0	1.0
6521 MONZUN	1.0	1.0	1.0	1.0	1.0
6522 MONZUN	1.0	1.0	1.0	1.0	1.0
6523 MONZUN	1.0	1.0	1.0	1.0	1.0
6524 MONZUN	1.0	1.0	1.0	1.0	1.0
6525 MONZUN	1.0	1.0	1.0	1.0	1.0
6526 MONZUN	1.0	1.0	1.0	1.0	1.0
6527 MONZUN	1.0	1.0	1.0	1.0	1.0
6528 MONZUN	1.0	1.0	1.0	1.0	1.0
6529 MONZUN	1.0	1.0	1.0	1.0	1.0
6530 MONZUN	1.0	1.0	1.0	1.0	1.0
6531 MONZUN	1.0	1.0	1.0	1.0	1.0
6532 MONZUN	1.0	1.0	1.0	1.0	1.0
6533 MONZUN	1.0	1.0	1.0	1.0	1.0
6534 MONZUN	1.0	1.0	1.0	1.0	1.0
6535 MONZUN	1.0	1.0	1.0	1.0	1.0
6536 MONZUN	1.0	1.0	1.0	1.0	1.0
6537 MONZUN	1.0	1.0	1.0	1.0	1.0
6538 MONZUN	1.0	1.0	1.0	1.0	1.0
6539 MONZUN	1.0	1.0	1.0	1.0	1.0
6540 MONZUN	1.0	1.0	1.0	1.0	1.0
6541 MONZUN	1.0	1.0	1.0	1.0	1.0
6542 MONZUN	1.0	1.0	1.0	1.0	1.0
6543 MONZUN	1.0	1.0	1.0	1.0	1.0
6544 MONZUN	1.0	1.0	1.0	1.0	1.0
6545 MONZUN	1.0	1.0	1.0	1.0	1.0
6546 MONZUN	1.0	1.0	1.0	1.0	1.0
6547 MONZUN	1.0	1.0	1.0	1.0	1.0
6548 MONZUN	1.0	1.0	1.0	1.0	1.0
6549 MONZUN	1.0	1.0	1.0	1.0	1.0
6550 MONZUN	1.0	1.0	1.0	1.0	1.0
6551 MONZUN	1.0	1.0	1.0	1.0	1.0
6552 MONZUN	1.0	1.0	1.0	1.0	1.0
6553 MONZUN	1.0	1.0	1.0	1.0	1.0
6554 MONZUN	1.0	1.0	1.0	1.0	1.0
6555 MONZUN	1.0	1.0	1.0	1.0	1.0
6556 MONZUN	1.0	1.0	1.0	1.0	1.0
6557 MONZUN	1.0	1.0	1.0	1.0	1.0
6558 MONZUN	1.0	1.0	1.0	1.0	1.0
6559 MONZUN	1.0	1.0	1.0	1.0	1.0
6560 MONZUN	1.0	1.0	1.0	1.0	1.0
6561 MONZUN	1.0	1.0	1.0	1.0	1.0
6562 MONZUN	1.0	1.0	1.0	1.0	1.0
6563 MONZUN	1.0	1.0	1.0	1.0	1.0
6564 MONZUN	1.0	1.0	1.0	1.0	1.0
6565 MONZUN	1.0	1.0	1.0	1.0	1.0
6566 MONZUN	1.0	1.0	1.0	1.0	1.0
6567 MONZUN	1.0	1.0	1.0	1.0	1.0
6568 MONZUN	1.0	1.0	1.0	1.0	1.0
6569 MONZUN	1.0	1.0	1.0	1.0	1.0
6570 MONZUN	1.0	1.0	1.0	1.0	1.0
6571 MONZUN	1.0	1.0	1.0	1.0	1.0
6572 MONZUN	1.0	1.0	1.0	1.0	1.0
6573 MONZUN	1.0	1.0	1.0	1.0	1.0
6574 MONZUN	1.0	1.0	1.0	1.0	1.0
6575 MONZUN	1.0	1.0	1.0	1.0	1.0
6576 MONZUN	1.0	1.0	1.0	1.0	1.0
6577 MONZUN	1.0	1.0	1.0	1.0	1.0
6578 MONZUN	1.0	1.0	1.0	1.0	1.0
6579 MONZUN	1.0	1.0	1.0	1.0	1.0
6580 MONZUN	1.0	1.0	1.0	1.0	1.0
6581 MONZUN	1.0	1.0	1.0	1.0	1.0
6582 MONZUN	1.0	1.0	1.0	1.0	1.0
6583 MONZUN	1.0	1.0	1.0	1.0	1.0
6584 MONZUN	1.0	1.0	1.0	1.0	1.0
6585 MONZUN	1.0	1.0	1.0	1.0	1.0
6586 MONZUN	1.0	1.0	1.0	1.0	1.0
6587 MONZUN	1.0	1.0	1.0	1.0	1.0
6588 MONZUN	1.0	1.0	1.0	1.0	1.0
6589 MONZUN	1.0	1.0	1.0	1.0	1.0
6590 MONZUN	1.0	1.0	1.0	1.0	1.0
6591 MONZUN	1.0	1.0	1.0	1.0	1.0
6592 MONZUN	1.0	1.0	1.0	1.0	1.0
6593 MONZUN	1.0	1.0	1.0	1.0	1.0
6594 MONZUN	1.0	1.0	1.0	1.0	1.0
6595 MONZUN	1.0	1.0	1.0	1.0	1.0
6596 MONZUN	1.0	1.0	1.0	1.0	1.0
6597 MONZUN	1.0	1.0	1.0	1.0	1.0
6598 MONZUN	1.0	1.0	1.0	1.0	1.0
6599 MONZUN	1.0	1.0	1.0	1.0	1.0
6600 MONZUN	1.0	1.0	1.0	1.0	1.0





C72-6713-6840-2B

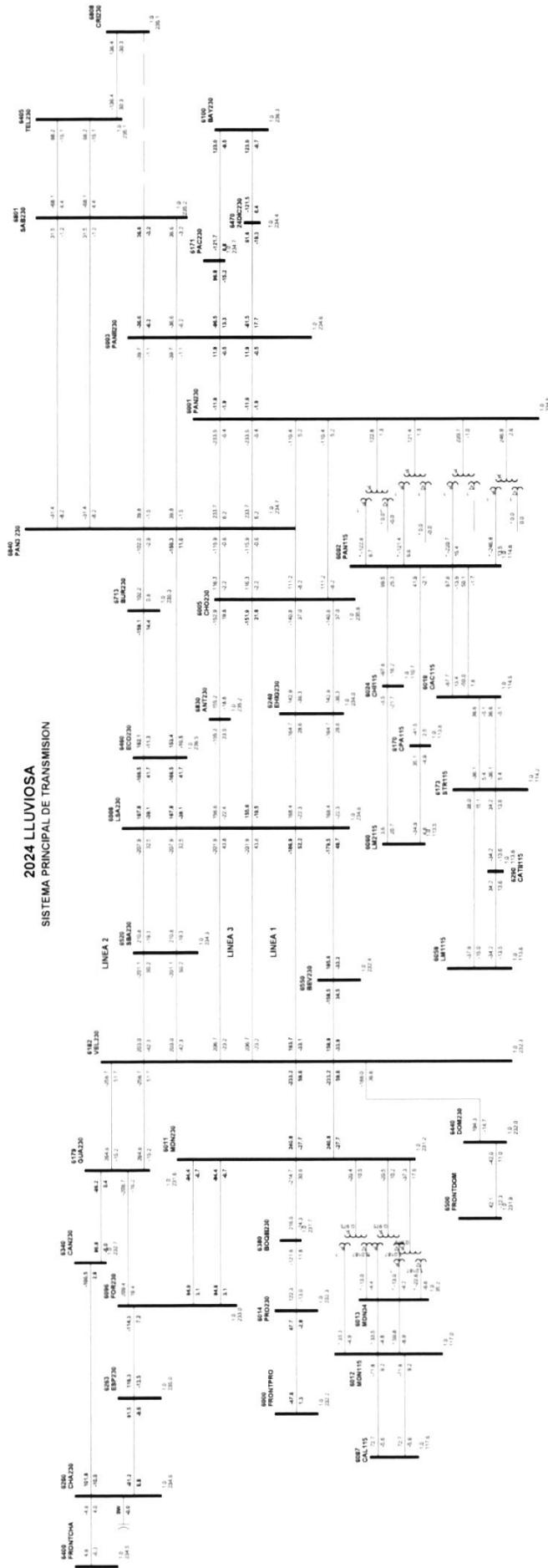
2024 LLLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





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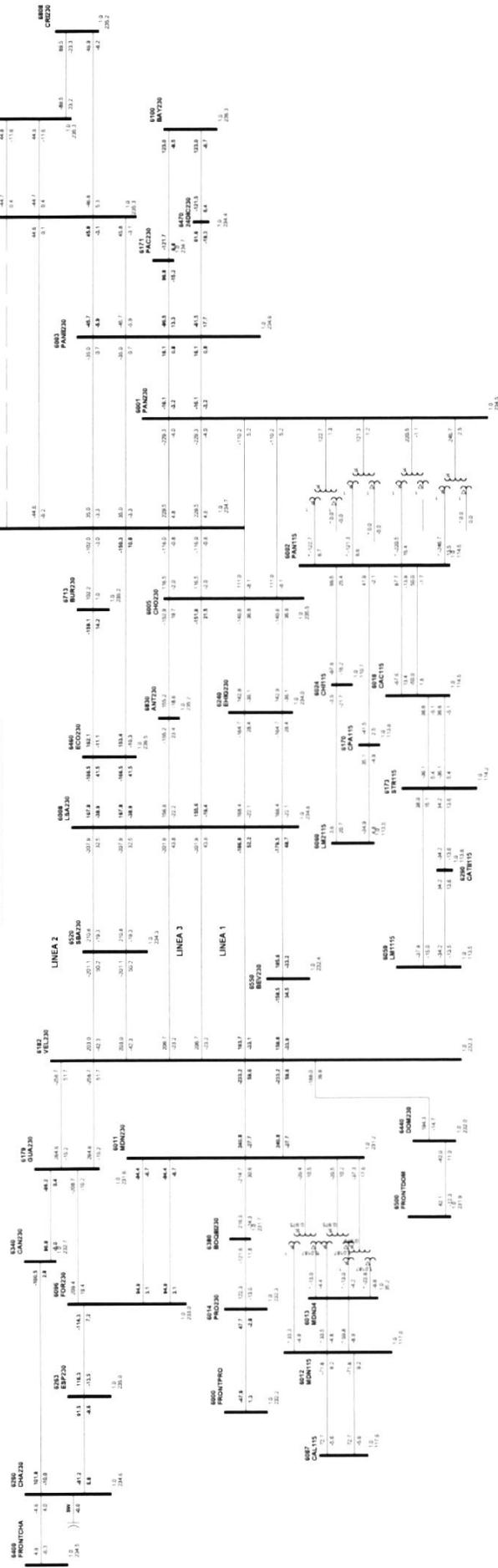
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SISTEMA PRINCIPAL DE TRANSMISION





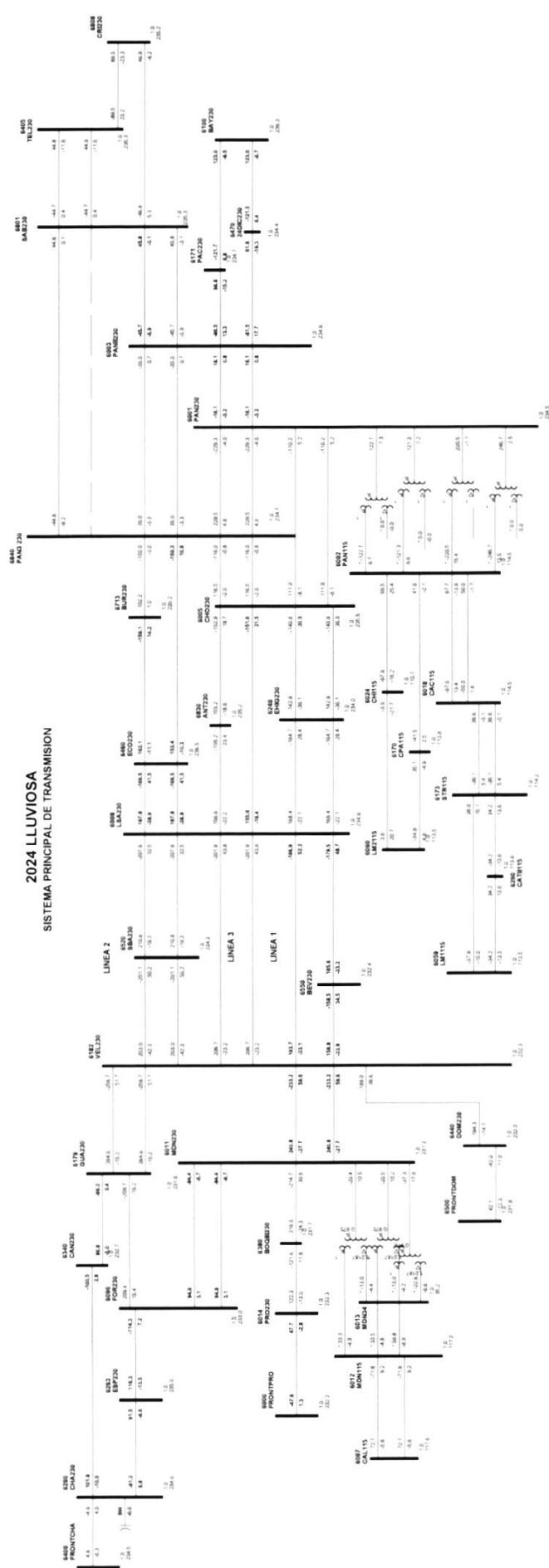
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2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C75-6801-6840-2





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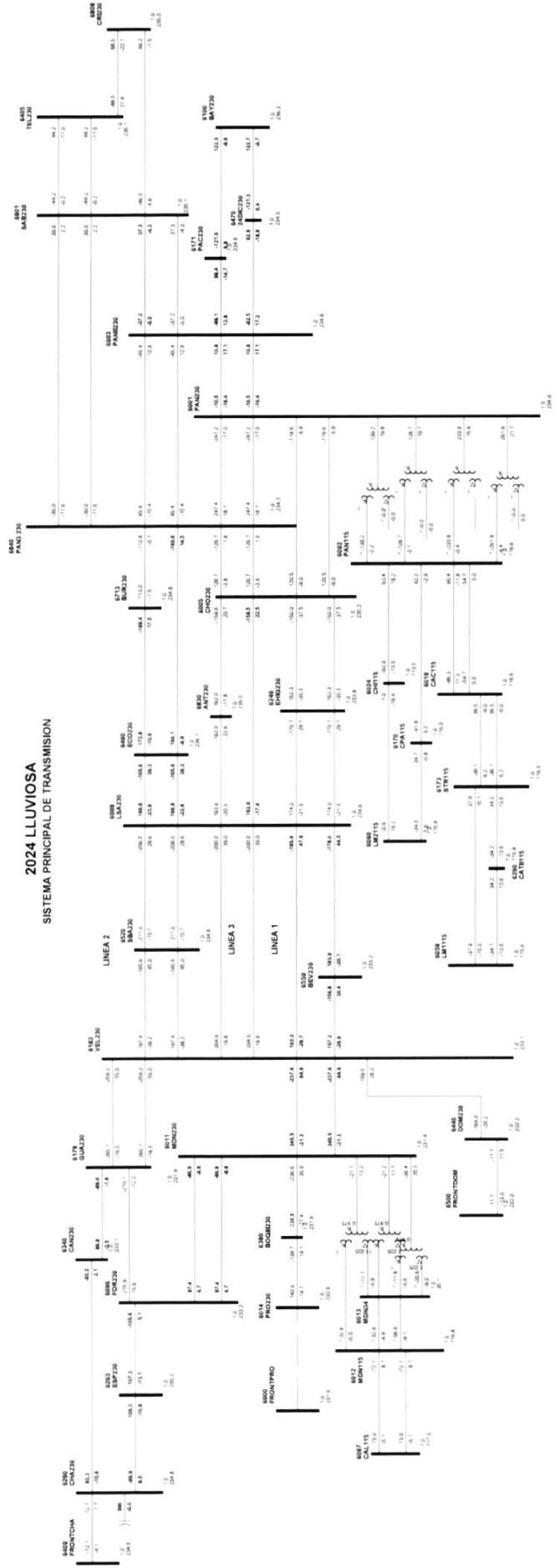
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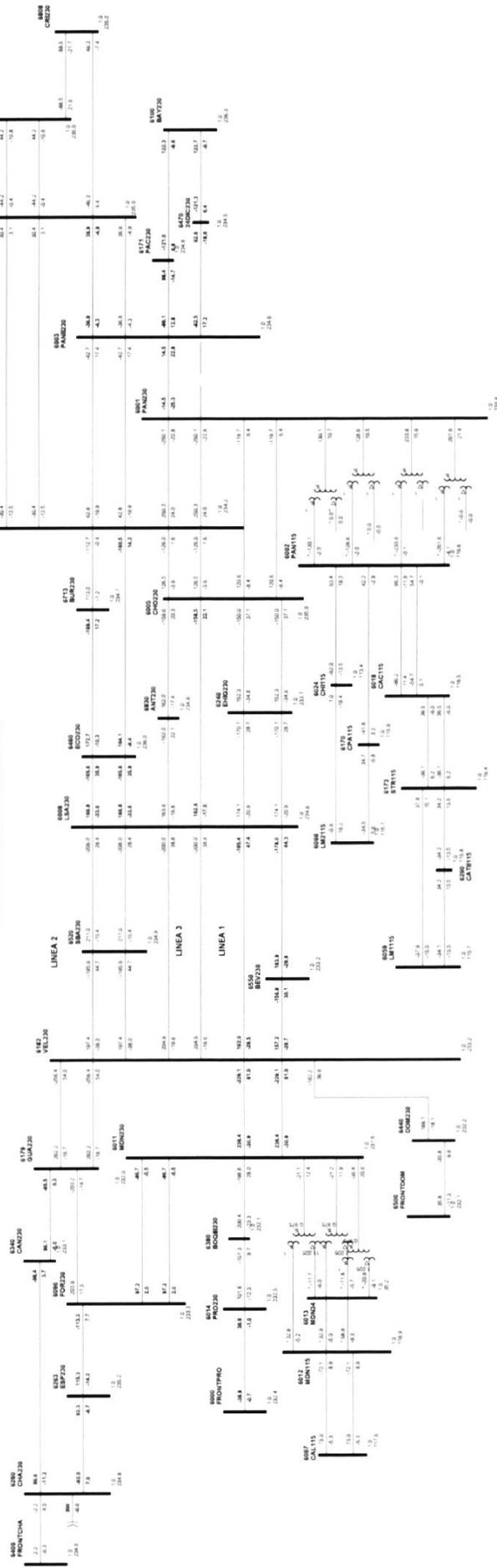
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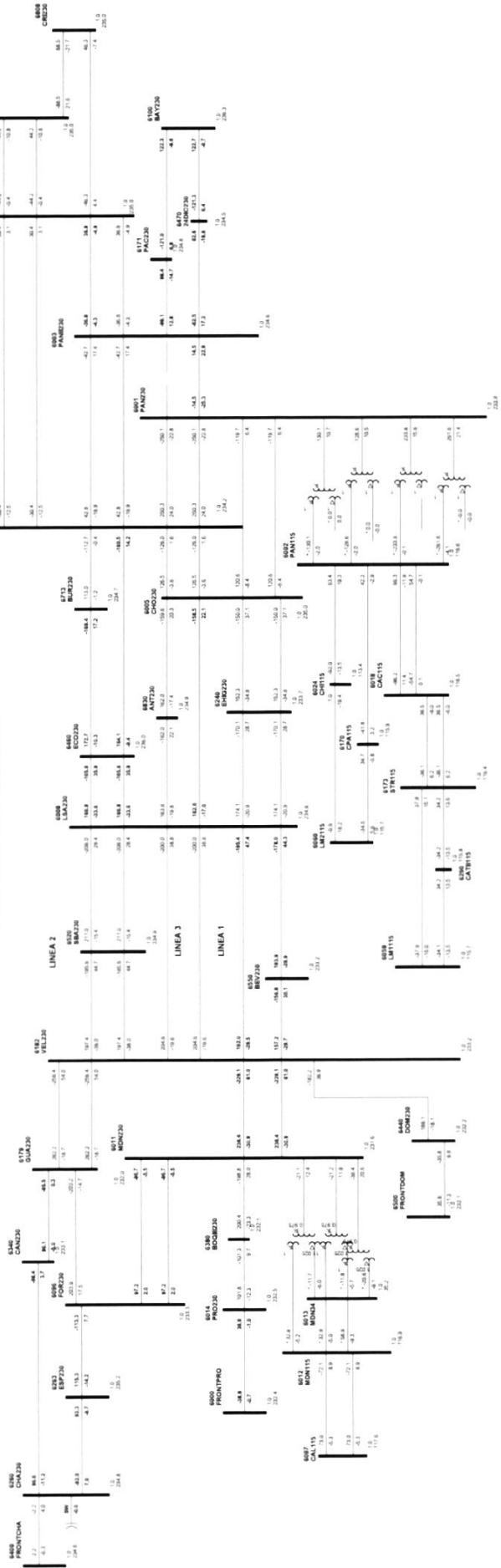
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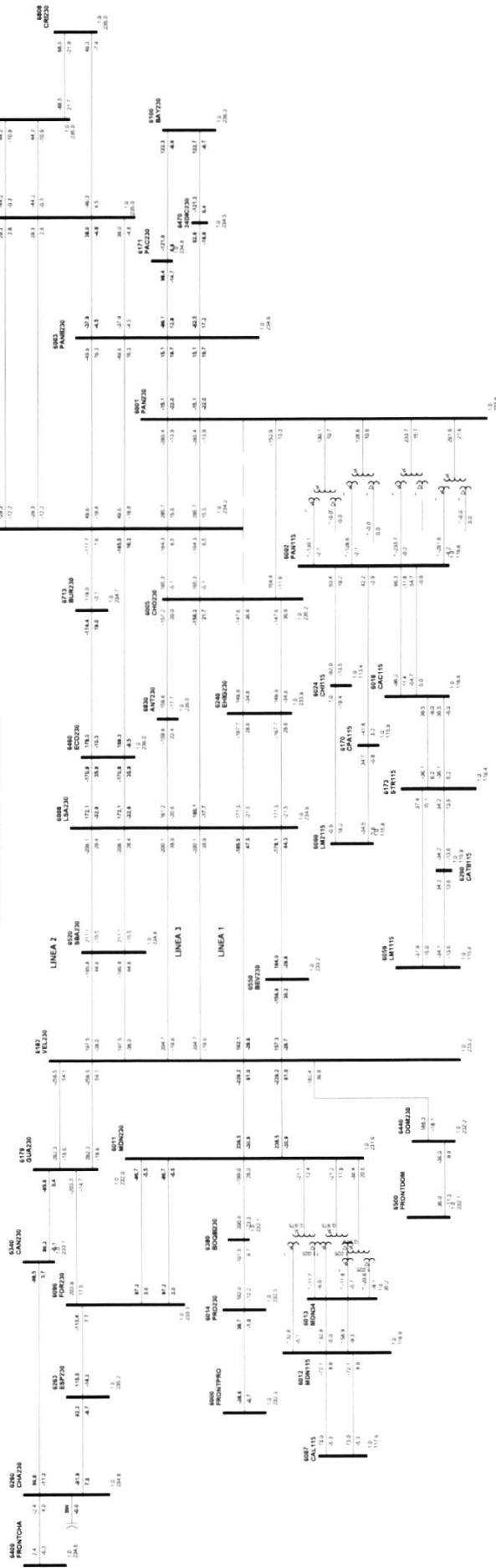
2024 LLLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C4-6001-6005-3A

2024 LLUVIOSA  
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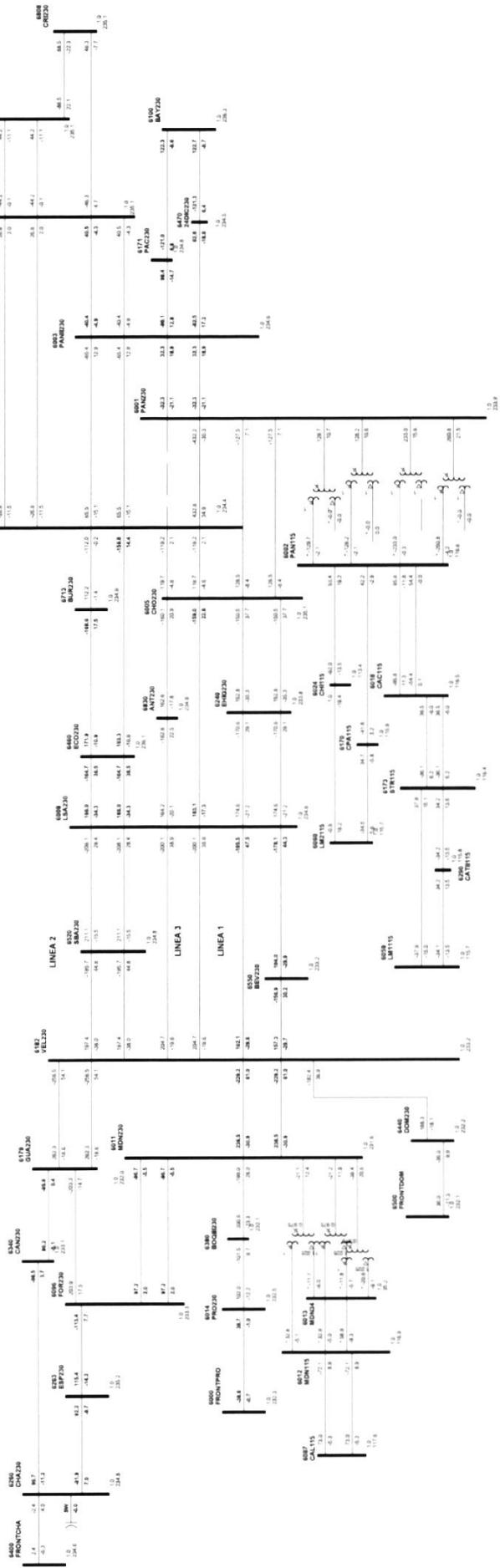






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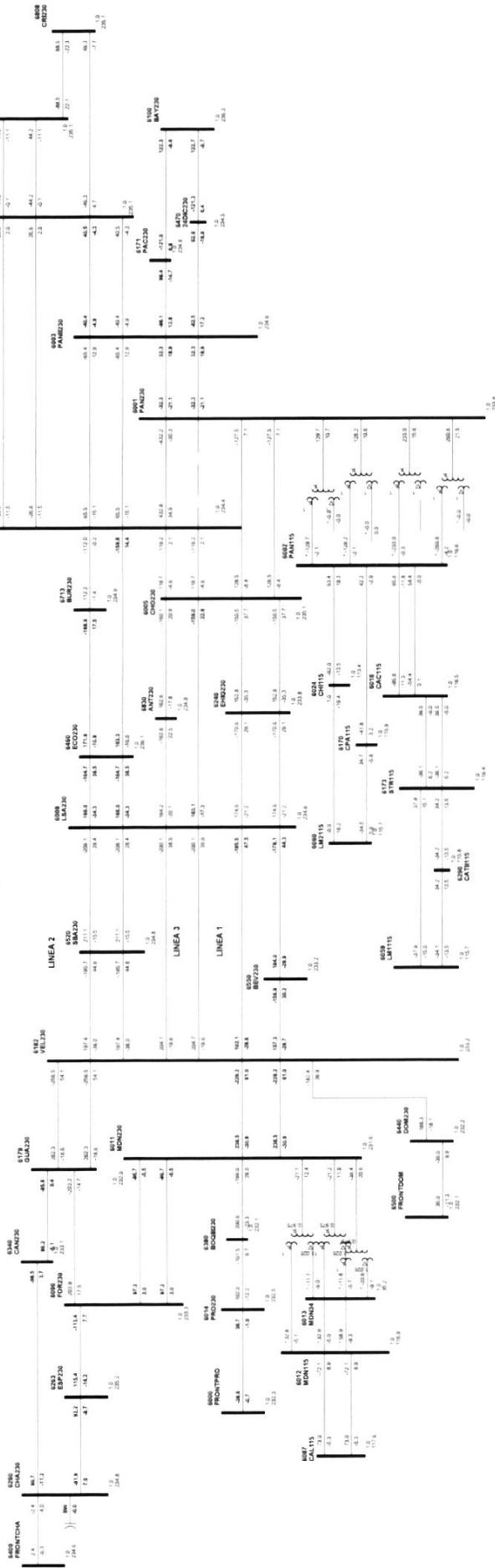
2024 LLLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





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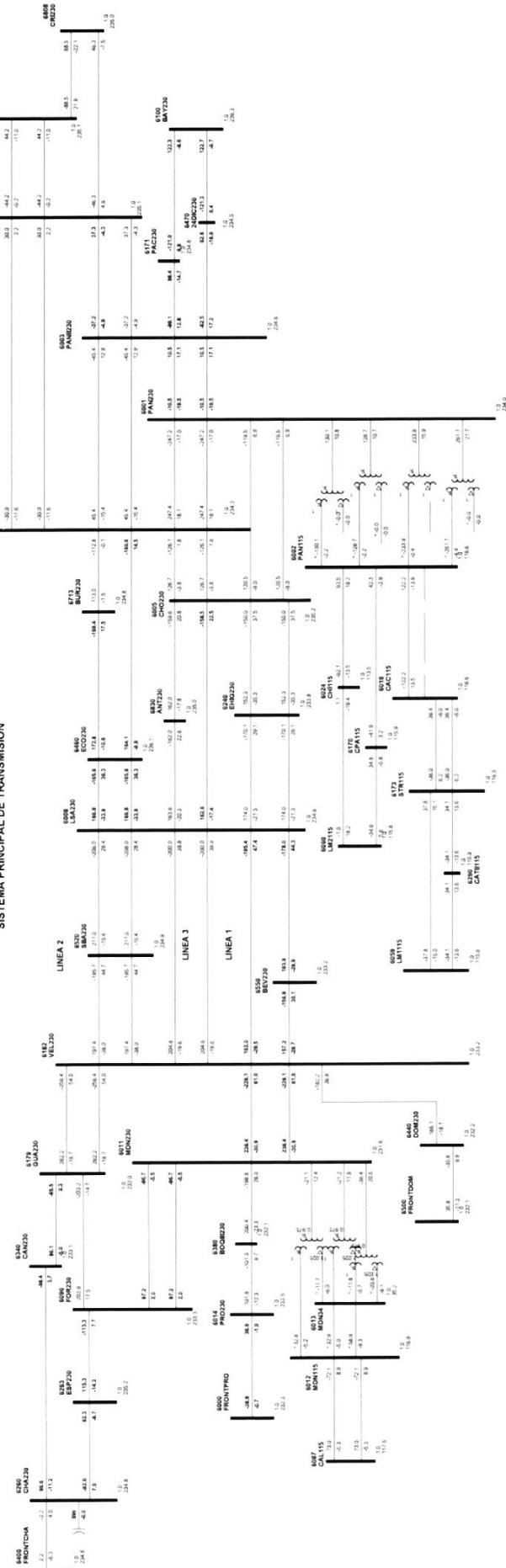
### 2024 LLUVIOSA SISTEMA PRINCIPAL DE TRANSMISION





C8-6002-6018-12

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



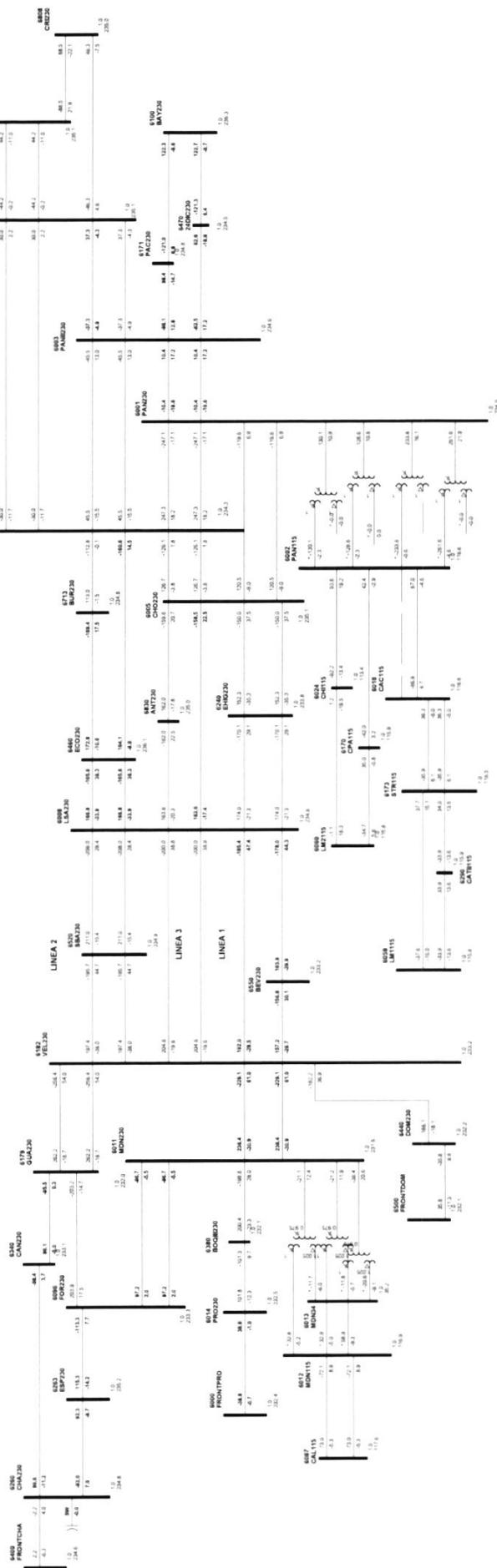
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C9-6002-6018-37

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C10-6002-6018-62

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

Diagram showing transmission system components and data for 2024 LLUVIOSA. The diagram includes lines (LINEA 2, LINEA 3, LINEA 1) and various substations (e.g., 5496 PROTOCMA, 5202 OCELIN, 6295 ESPIN, 5201 GUAYCABO, 5496 CANCUN, 5295 GUAJACABO, 6295 GUAYCABO, 5201 MONTECUCO, 5496 BOMBERO, 5295 PROTOCMA, 5201 MONTECUCO, 5496 PROTOCMA, 5201 MONTECUCO, 5496 PROTOCMA, 5201 MONTECUCO, 5496 PROTOCMA, 5201 MONTECUCO, 5496 PROTOCMA, 5201 MONTECUCO). Each component is associated with numerical values, likely representing voltage, power, or other electrical parameters.

*B*





C11-6002-6024-3A

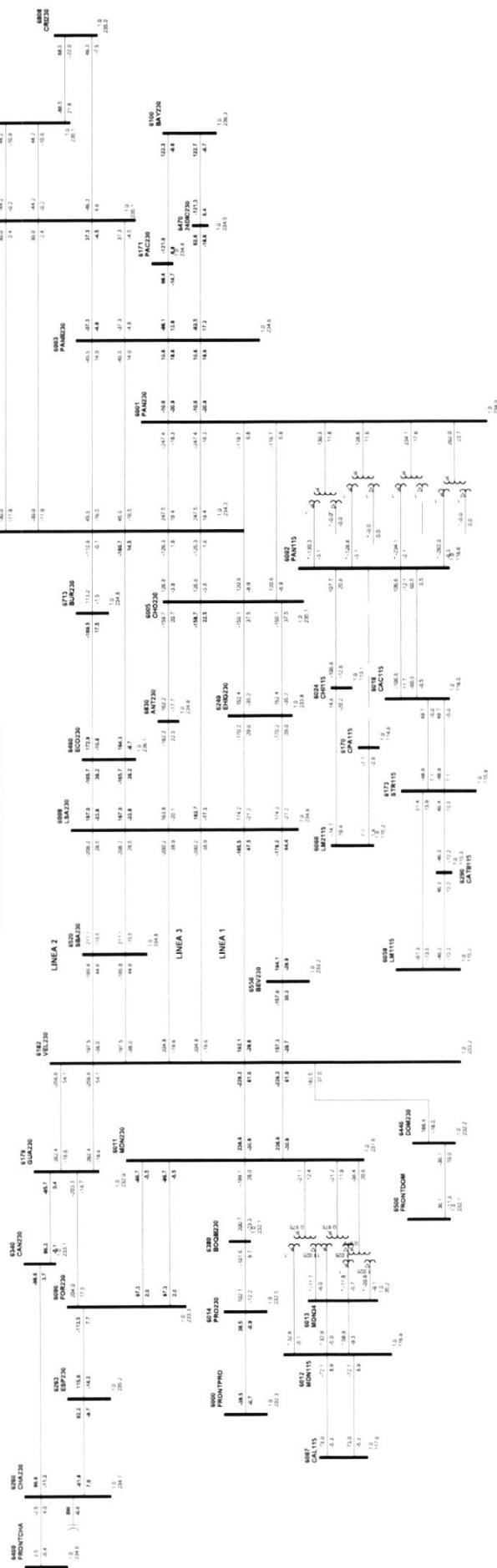
### 2024 LLUVIOSA SISTEMA PRINCIPAL DE TRANSMISION

Subestación	Estado	Valor	Subestación	Estado	Valor	Subestación	Estado	Valor
6050 PROYENTONA		4.7	6120 DIABLAZUBO		16.1	6170 TELFZO		48.2
6051 CANTON		1.1	6121 CANTON		57.4	6171 SAREZO		29.9
6052 ESPUZO		1.5	6122 MONZO		27.8	6172 TELFZO		42.1
6053 ESPUZO		1.5	6123 BOYOMBOZO		10.4	6173 SAREZO		3.4
6054 ESPUZO		1.5	6124 PROYENTONA		10.4	6174 SAREZO		3.4
6055 ESPUZO		1.5	6125 BOYOMBOZO		10.4	6175 SAREZO		3.4
6056 ESPUZO		1.5	6126 BOYOMBOZO		10.4	6176 SAREZO		3.4
6057 ESPUZO		1.5	6127 BOYOMBOZO		10.4	6177 SAREZO		3.4
6058 ESPUZO		1.5	6128 BOYOMBOZO		10.4	6178 SAREZO		3.4
6059 ESPUZO		1.5	6129 BOYOMBOZO		10.4	6179 SAREZO		3.4
6060 ESPUZO		1.5	6130 BOYOMBOZO		10.4	6180 SAREZO		3.4
6061 ESPUZO		1.5	6131 BOYOMBOZO		10.4	6181 SAREZO		3.4
6062 ESPUZO		1.5	6132 BOYOMBOZO		10.4	6182 SAREZO		3.4
6063 ESPUZO		1.5	6133 BOYOMBOZO		10.4	6183 SAREZO		3.4
6064 ESPUZO		1.5	6134 BOYOMBOZO		10.4	6184 SAREZO		3.4
6065 ESPUZO		1.5	6135 BOYOMBOZO		10.4	6185 SAREZO		3.4
6066 ESPUZO		1.5	6136 BOYOMBOZO		10.4	6186 SAREZO		3.4
6067 ESPUZO		1.5	6137 BOYOMBOZO		10.4	6187 SAREZO		3.4
6068 ESPUZO		1.5	6138 BOYOMBOZO		10.4	6188 SAREZO		3.4
6069 ESPUZO		1.5	6139 BOYOMBOZO		10.4	6189 SAREZO		3.4
6070 ESPUZO		1.5	6140 BOYOMBOZO		10.4	6190 SAREZO		3.4
6071 ESPUZO		1.5	6141 BOYOMBOZO		10.4	6191 SAREZO		3.4
6072 ESPUZO		1.5	6142 BOYOMBOZO		10.4	6192 SAREZO		3.4
6073 ESPUZO		1.5	6143 BOYOMBOZO		10.4	6193 SAREZO		3.4
6074 ESPUZO		1.5	6144 BOYOMBOZO		10.4	6194 SAREZO		3.4
6075 ESPUZO		1.5	6145 BOYOMBOZO		10.4	6195 SAREZO		3.4



C12-6002-6170-4A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

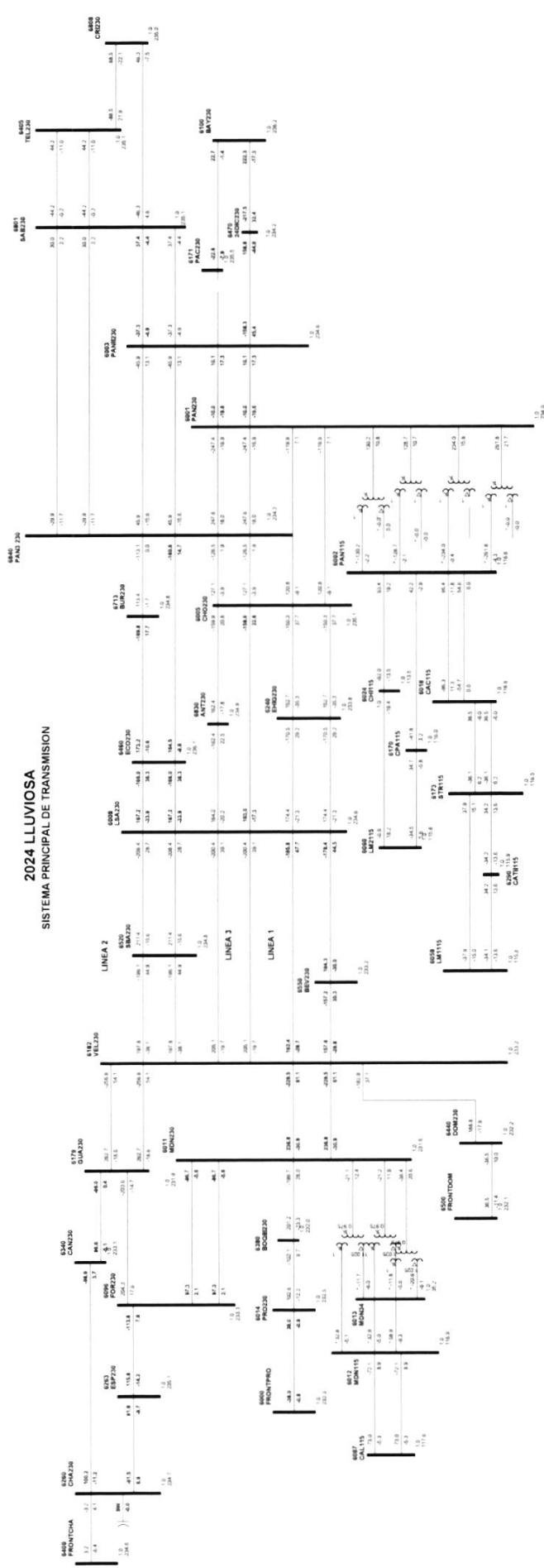


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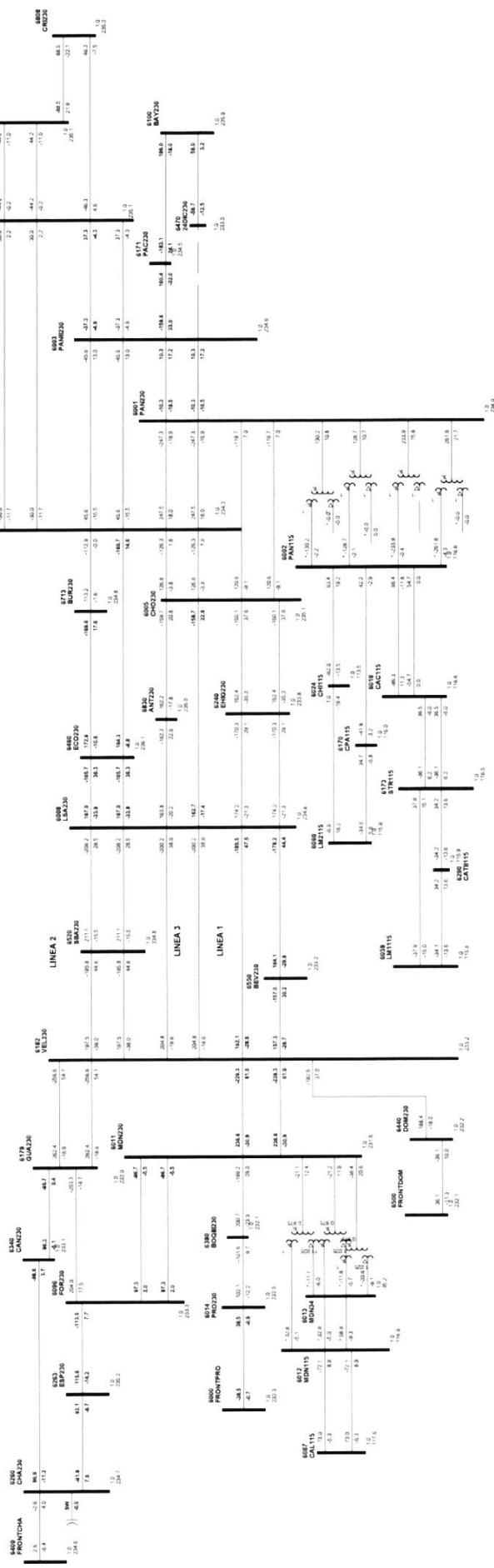
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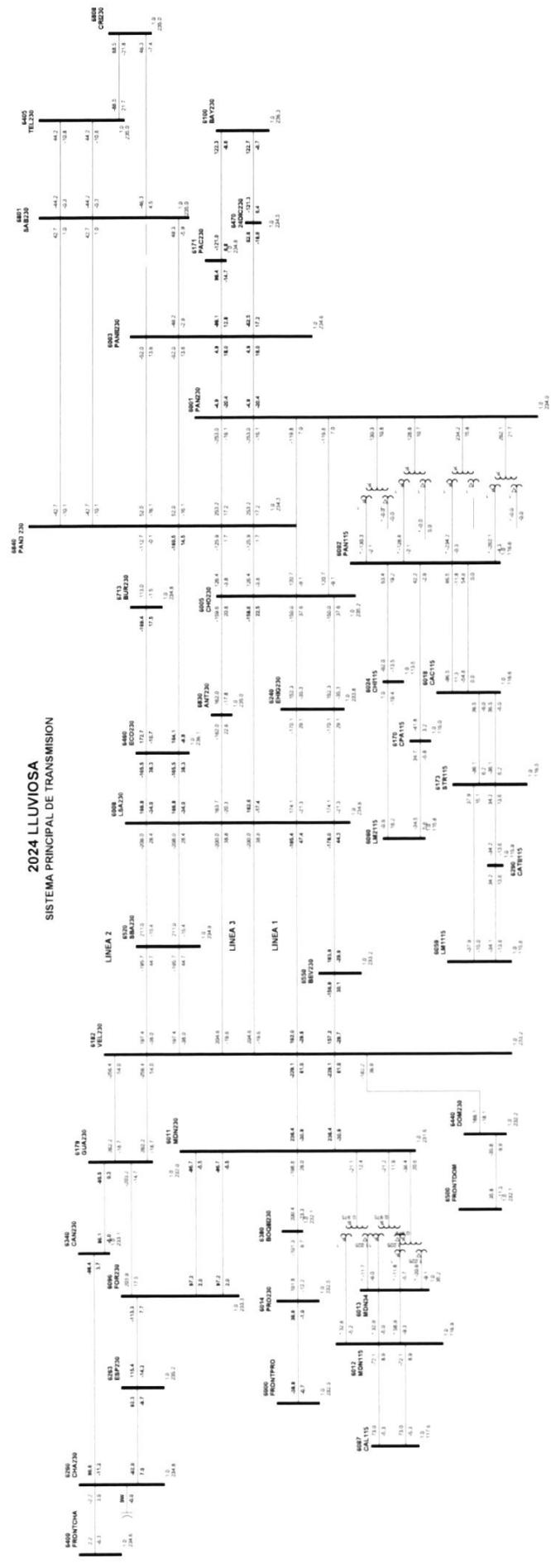
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2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



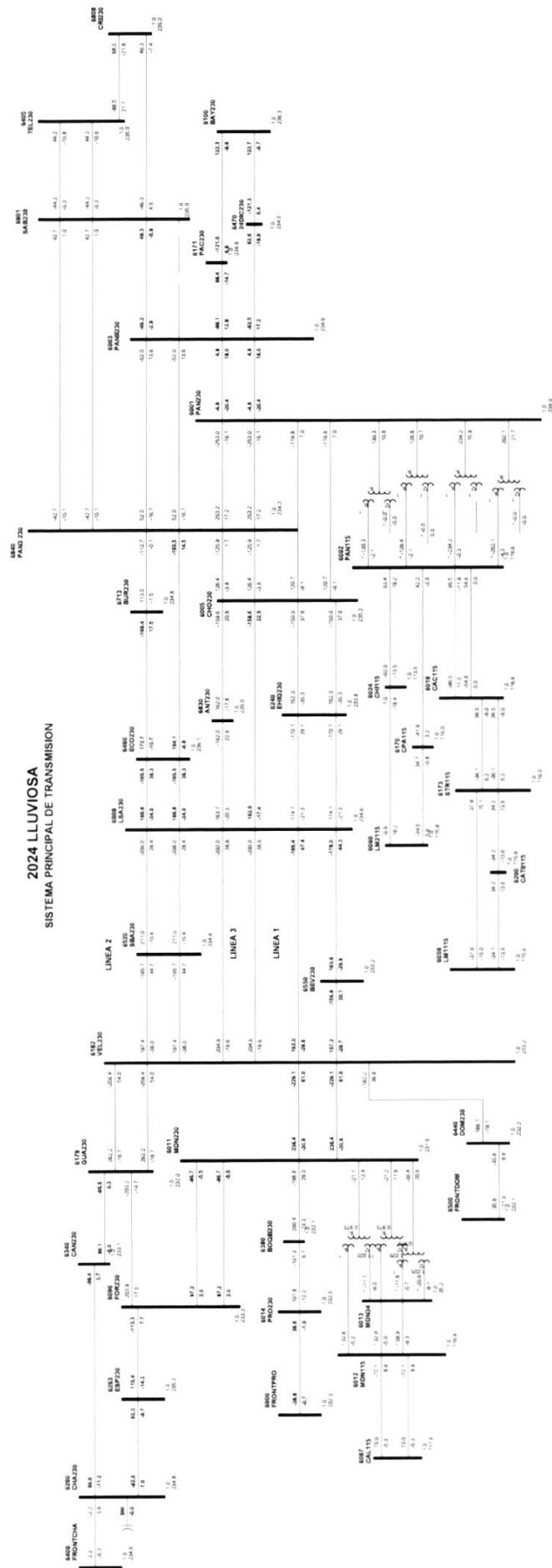


C15-6003-6801-54





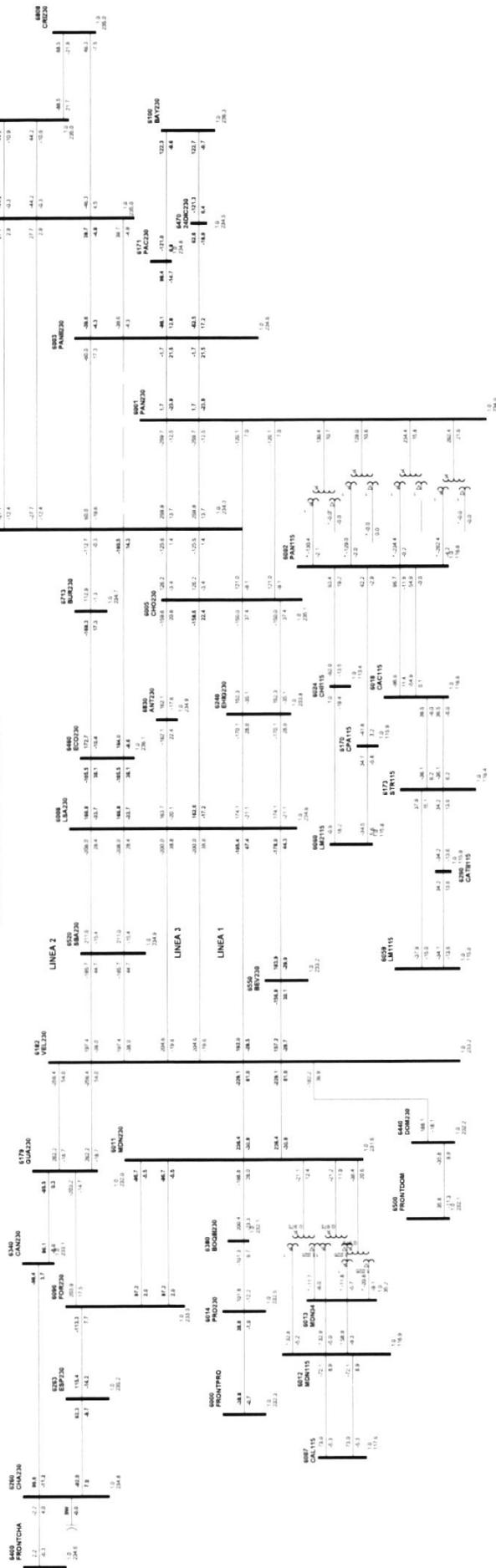
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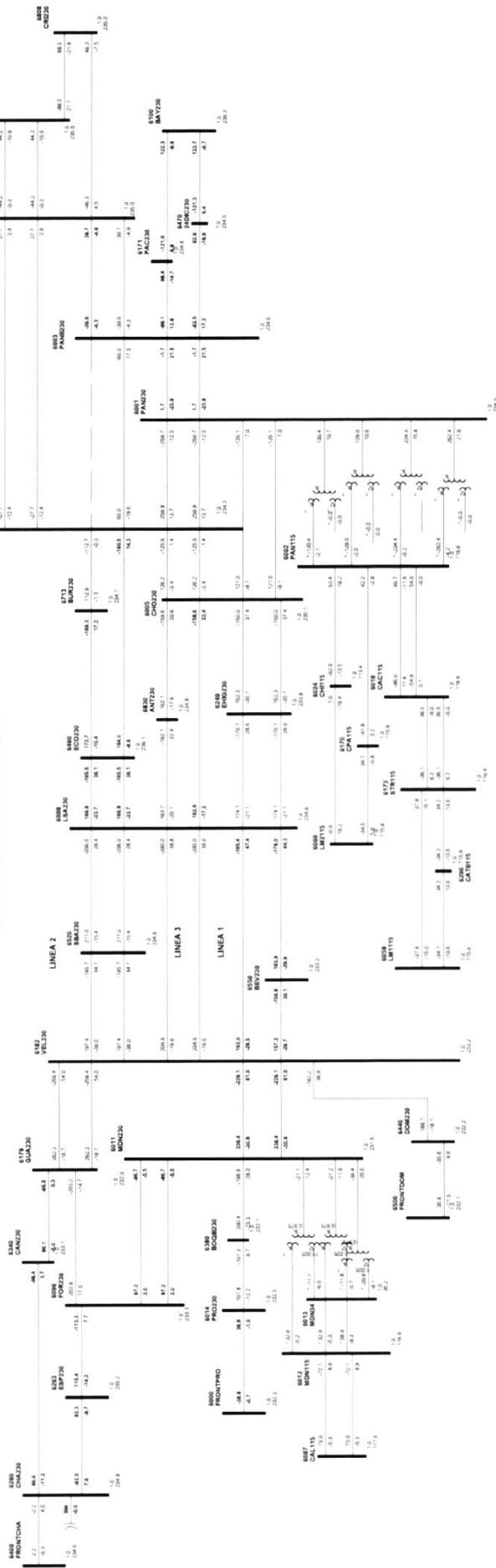
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C18-6003-6840-3A

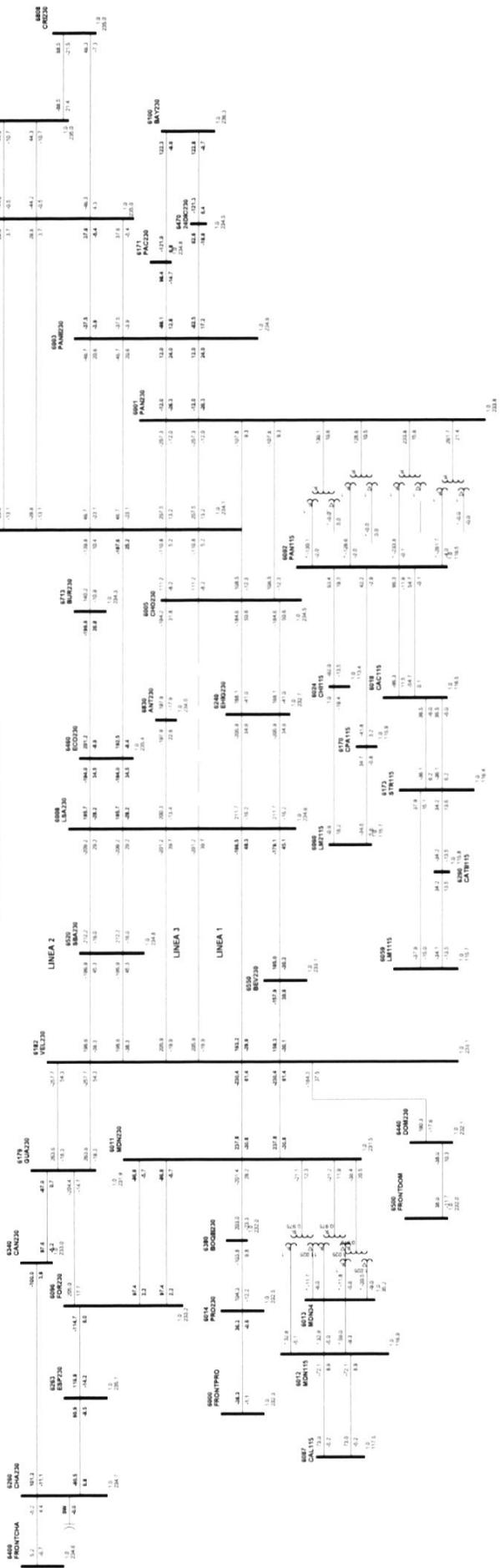
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





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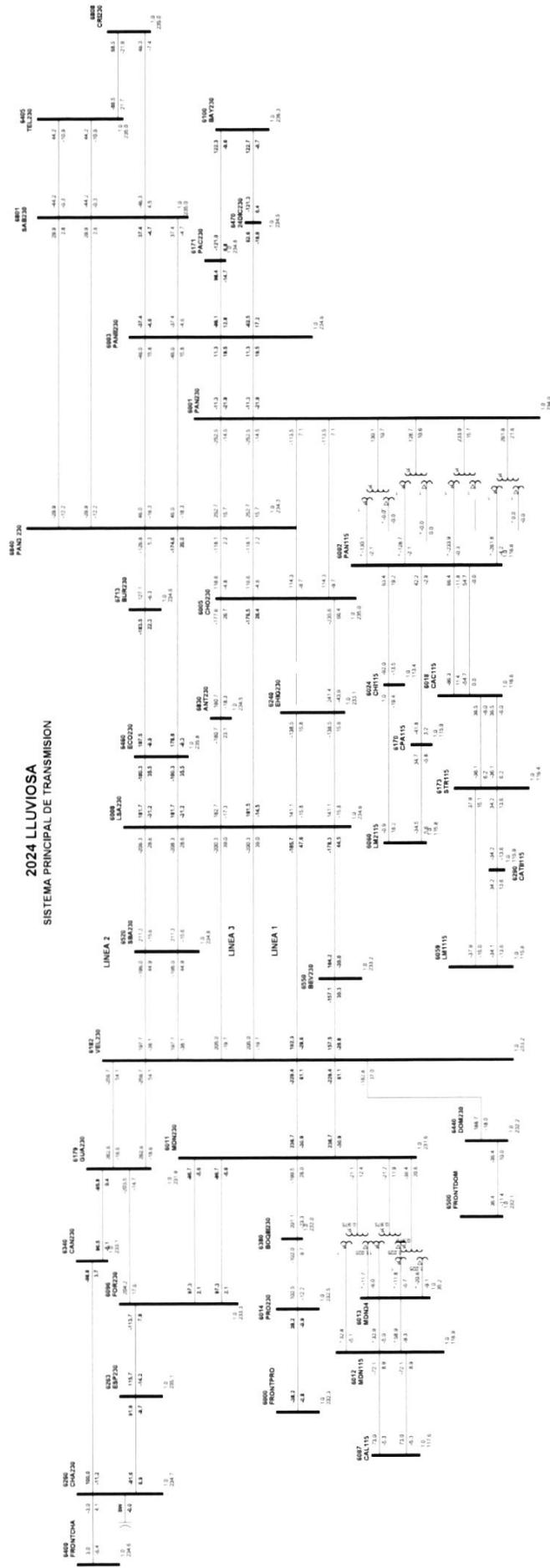
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C20-6005-6240-3B

2024 LLUVIOSA  
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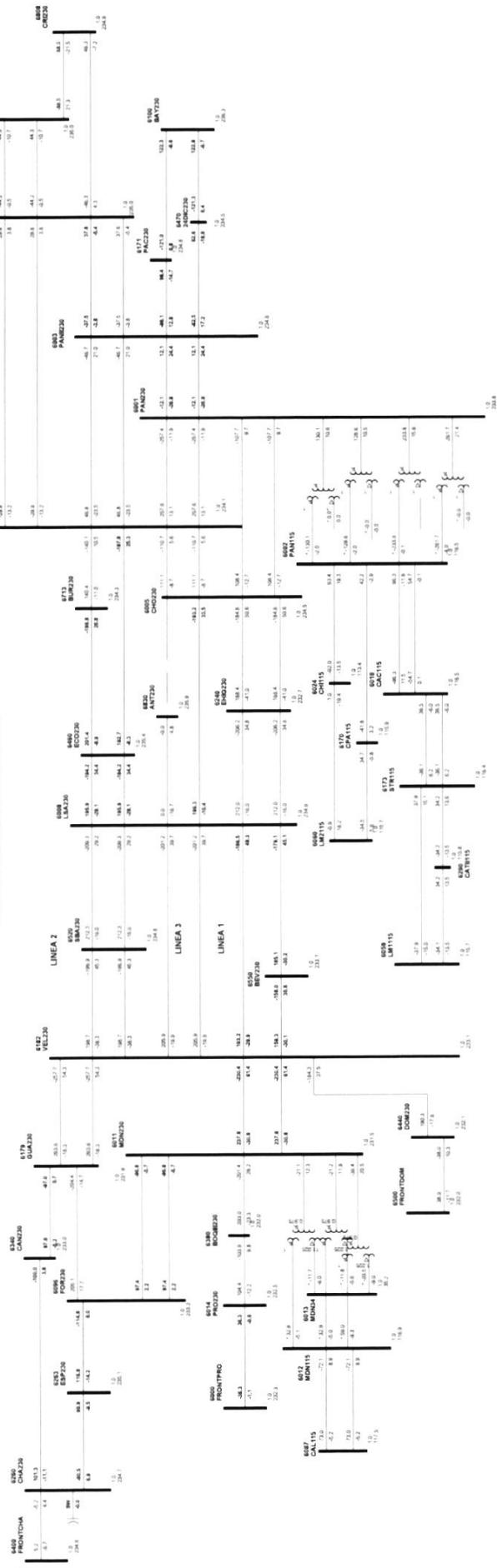






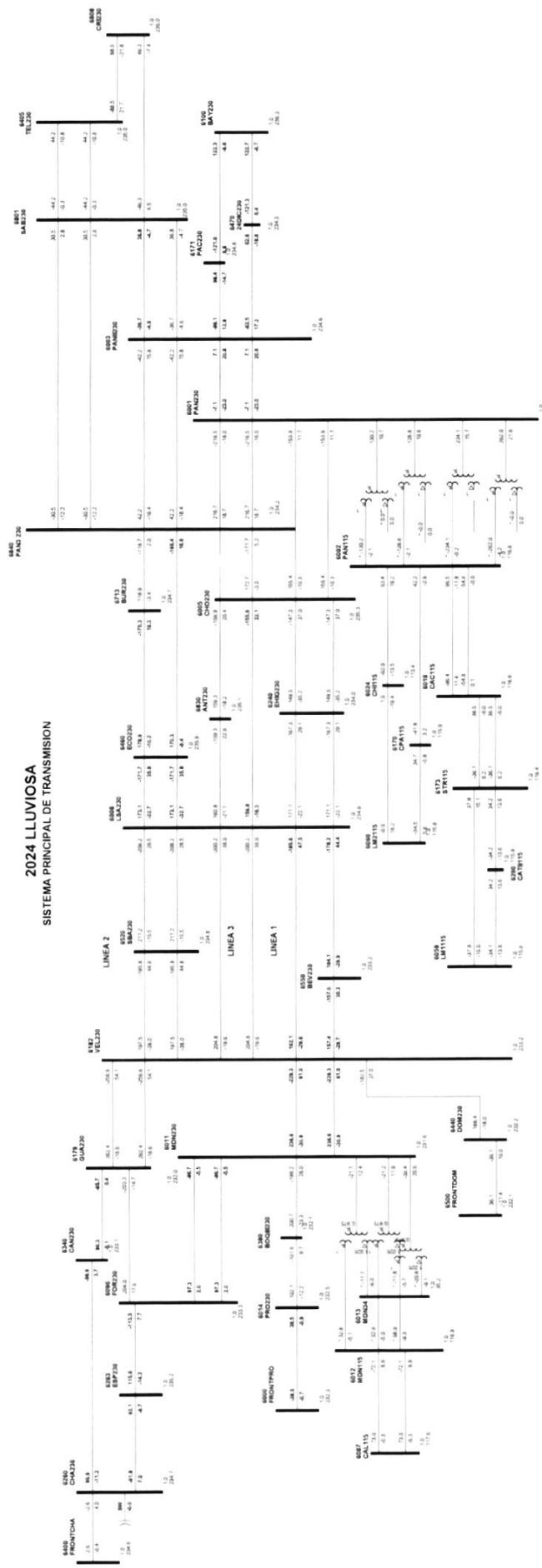
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2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C23-6005-6840-7B





C24-6005-6840-8B

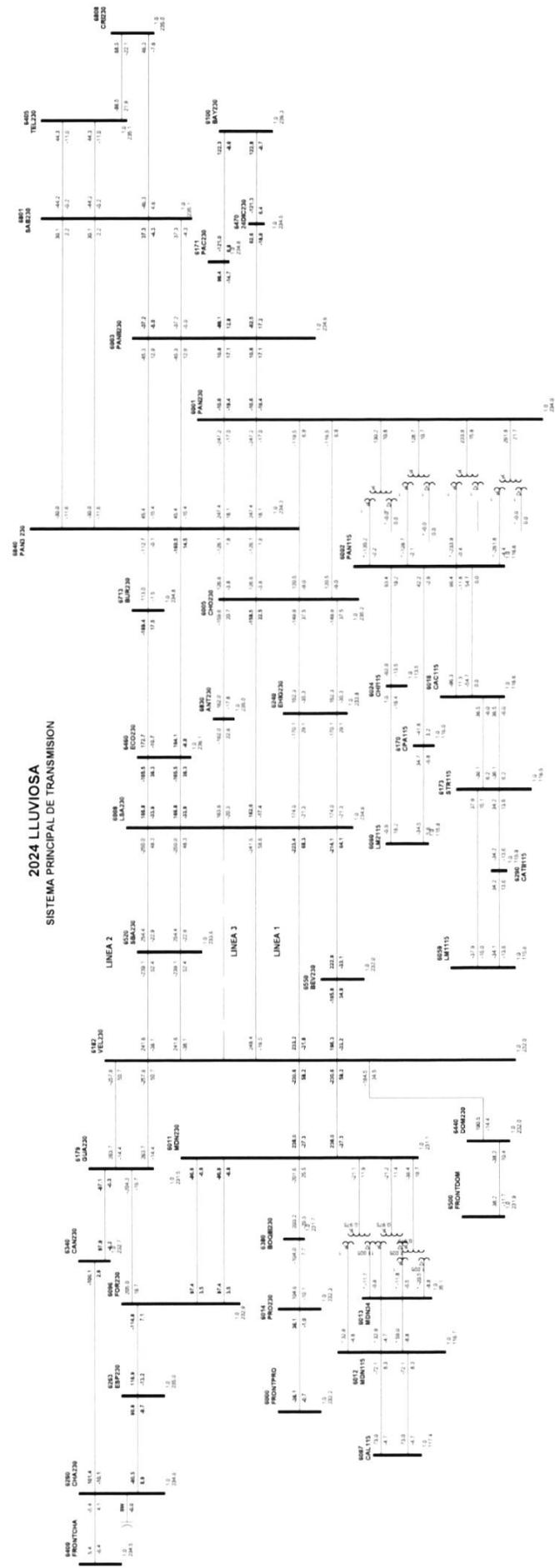
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

Linea	Subestación	Valor	Subestación	Valor	Subestación	Valor
LINEA 2	6020 SBM230	-195.8	6020 SBM230	-195.8	6020 SBM230	-195.8
	6020 SBM230	14.4	6020 SBM230	14.4	6020 SBM230	14.4
	6020 SBM230	197.5	6020 SBM230	197.5	6020 SBM230	197.5
	6020 SBM230	-88.9	6020 SBM230	-88.9	6020 SBM230	-88.9
	6020 SBM230	44.8	6020 SBM230	44.8	6020 SBM230	44.8
	6020 SBM230	-195.8	6020 SBM230	-195.8	6020 SBM230	-195.8
	6020 SBM230	14.4	6020 SBM230	14.4	6020 SBM230	14.4
	6020 SBM230	197.5	6020 SBM230	197.5	6020 SBM230	197.5
	6020 SBM230	-88.9	6020 SBM230	-88.9	6020 SBM230	-88.9
	6020 SBM230	44.8	6020 SBM230	44.8	6020 SBM230	44.8
	6020 SBM230	-195.8	6020 SBM230	-195.8	6020 SBM230	-195.8
	LINEA 3	6020 SBM230	13	6020 SBM230	13	6020 SBM230
6020 SBM230		204.8	6020 SBM230	204.8	6020 SBM230	204.8
6020 SBM230		-204.8	6020 SBM230	-204.8	6020 SBM230	-204.8
6020 SBM230		-204.8	6020 SBM230	-204.8	6020 SBM230	-204.8
6020 SBM230		204.8	6020 SBM230	204.8	6020 SBM230	204.8
6020 SBM230		-204.8	6020 SBM230	-204.8	6020 SBM230	-204.8
6020 SBM230		13	6020 SBM230	13	6020 SBM230	13
6020 SBM230		204.8	6020 SBM230	204.8	6020 SBM230	204.8
6020 SBM230		-204.8	6020 SBM230	-204.8	6020 SBM230	-204.8
6020 SBM230		-204.8	6020 SBM230	-204.8	6020 SBM230	-204.8
6020 SBM230		204.8	6020 SBM230	204.8	6020 SBM230	204.8
LINEA 1		6020 SBM230	197.5	6020 SBM230	197.5	6020 SBM230
	6020 SBM230	-88.9	6020 SBM230	-88.9	6020 SBM230	-88.9
	6020 SBM230	44.8	6020 SBM230	44.8	6020 SBM230	44.8
	6020 SBM230	-195.8	6020 SBM230	-195.8	6020 SBM230	-195.8
	6020 SBM230	14.4	6020 SBM230	14.4	6020 SBM230	14.4
	6020 SBM230	197.5	6020 SBM230	197.5	6020 SBM230	197.5
	6020 SBM230	-88.9	6020 SBM230	-88.9	6020 SBM230	-88.9
	6020 SBM230	44.8	6020 SBM230	44.8	6020 SBM230	44.8
	6020 SBM230	-195.8	6020 SBM230	-195.8	6020 SBM230	-195.8
	6020 SBM230	14.4	6020 SBM230	14.4	6020 SBM230	14.4
	6020 SBM230	197.5	6020 SBM230	197.5	6020 SBM230	197.5





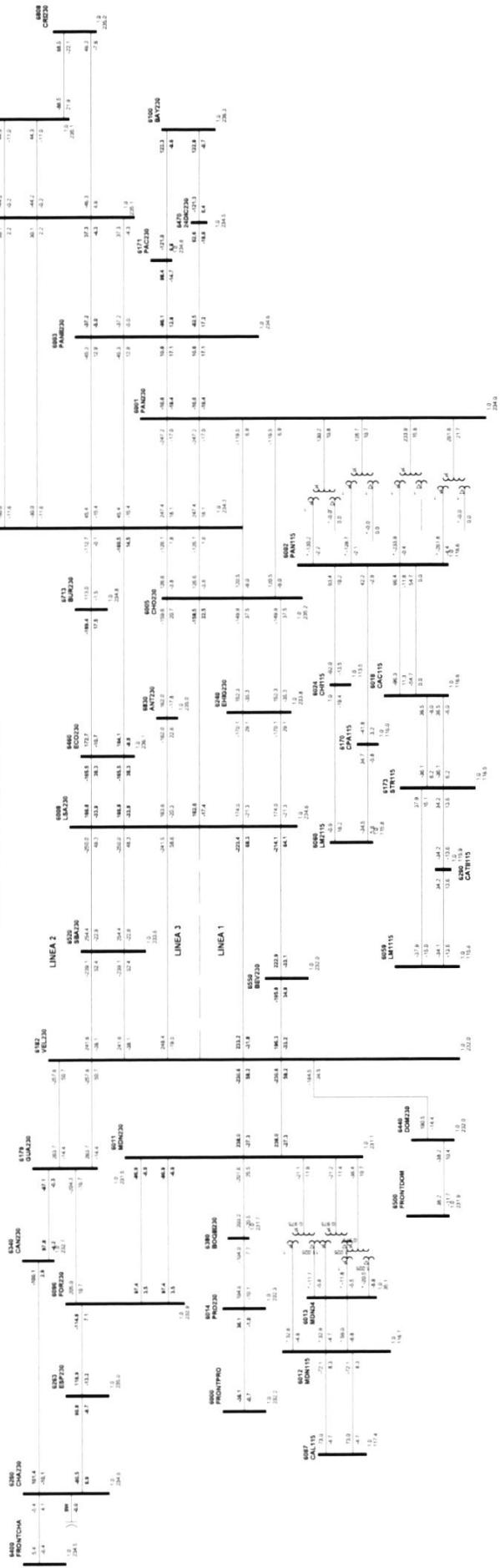
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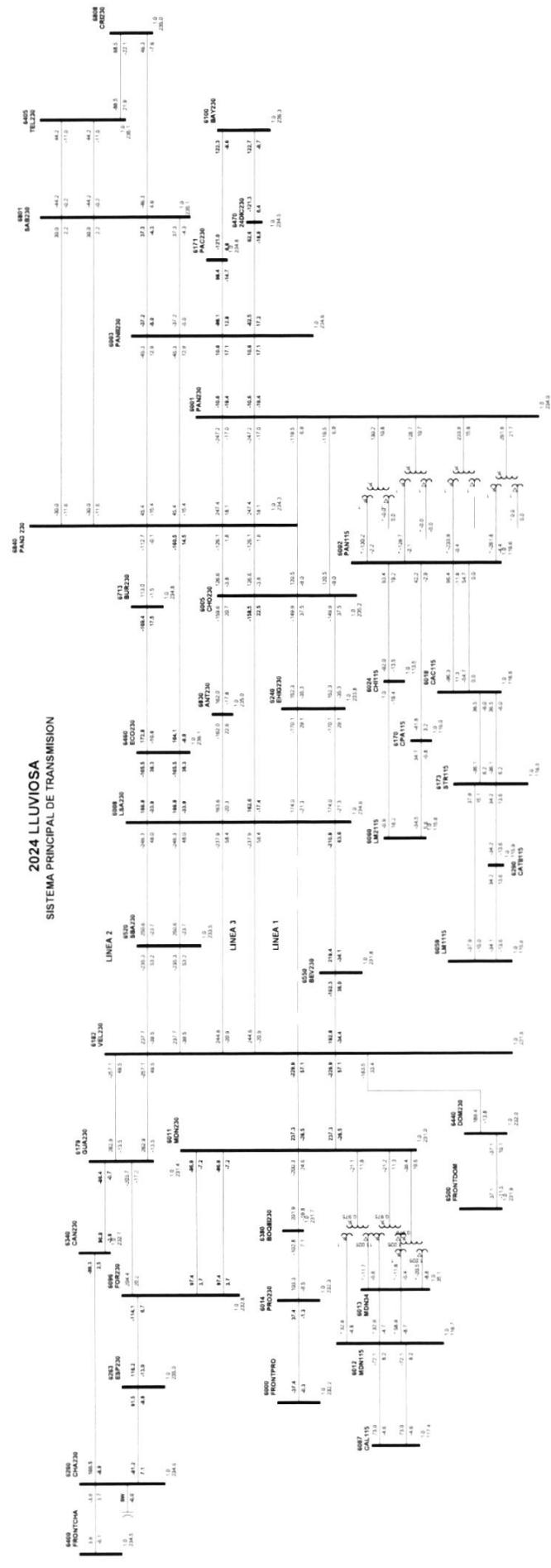
C26-6008-6182-52

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C27-6008-6182-5A





C28-6008-6240-3C

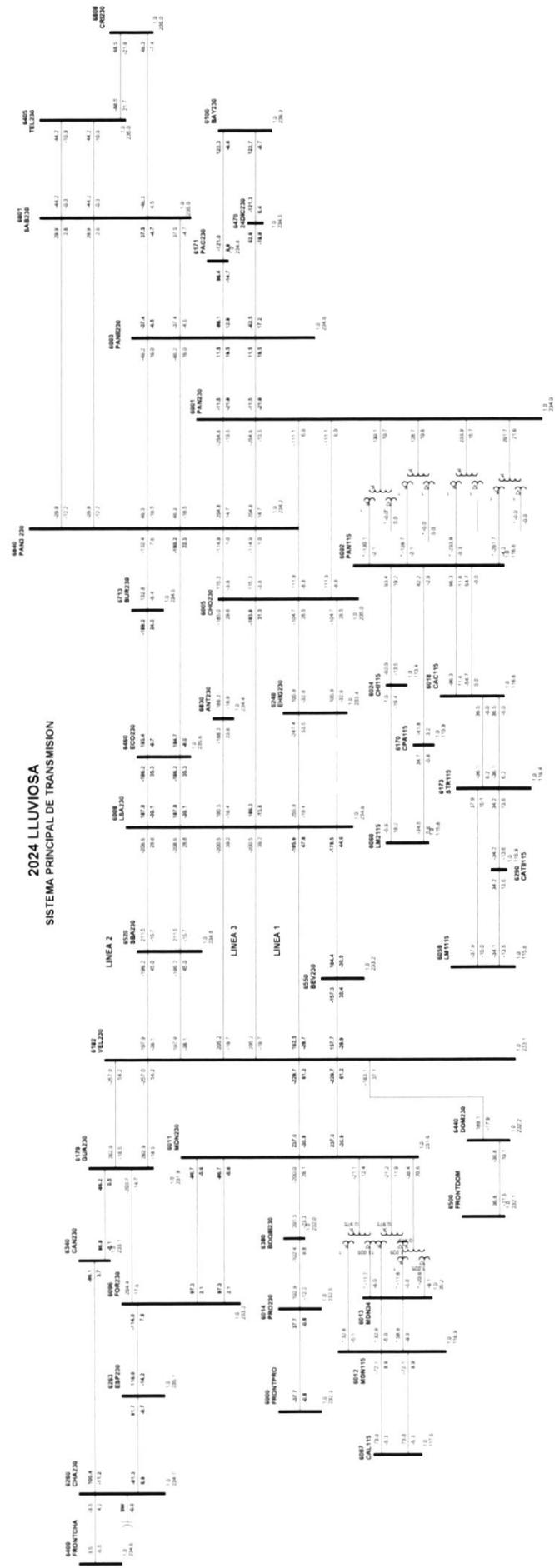
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

6400 PRONTORA	6400 CHAZA	6203 ESP230	6203 FOR230	6203 CAR230	6400 GUAR230	6172 VEL230	8520 SBA230	6400 USA230	6400 ECC230	6712 SAR230	6400 PANI230	6400 SAB230	6400 TIL230	6400 CRIC230
2.0	4.5	8.1	11.8	15.5	19.2	22.9	26.6	30.3	34.0	37.7	41.4	45.1	48.8	52.5
234.4	41.3	8.1	11.8	15.5	19.2	22.9	26.6	30.3	34.0	37.7	41.4	45.1	48.8	52.5
1.5	4.0	7.5	11.0	14.5	18.0	21.5	25.0	28.5	32.0	35.5	39.0	42.5	46.0	49.5
234.4	41.3	8.1	11.8	15.5	19.2	22.9	26.6	30.3	34.0	37.7	41.4	45.1	48.8	52.5
2.0	4.5	8.1	11.8	15.5	19.2	22.9	26.6	30.3	34.0	37.7	41.4	45.1	48.8	52.5
234.4	41.3	8.1	11.8	15.5	19.2	22.9	26.6	30.3	34.0	37.7	41.4	45.1	48.8	52.5



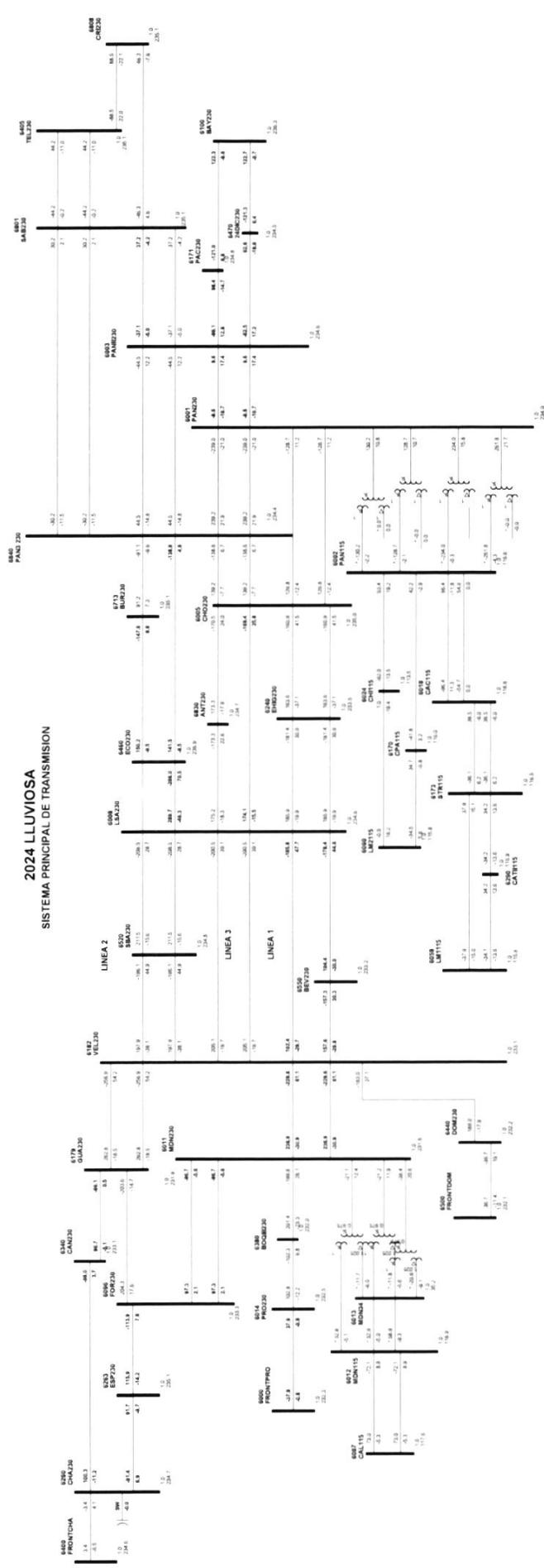


C29-6008-6240-4C



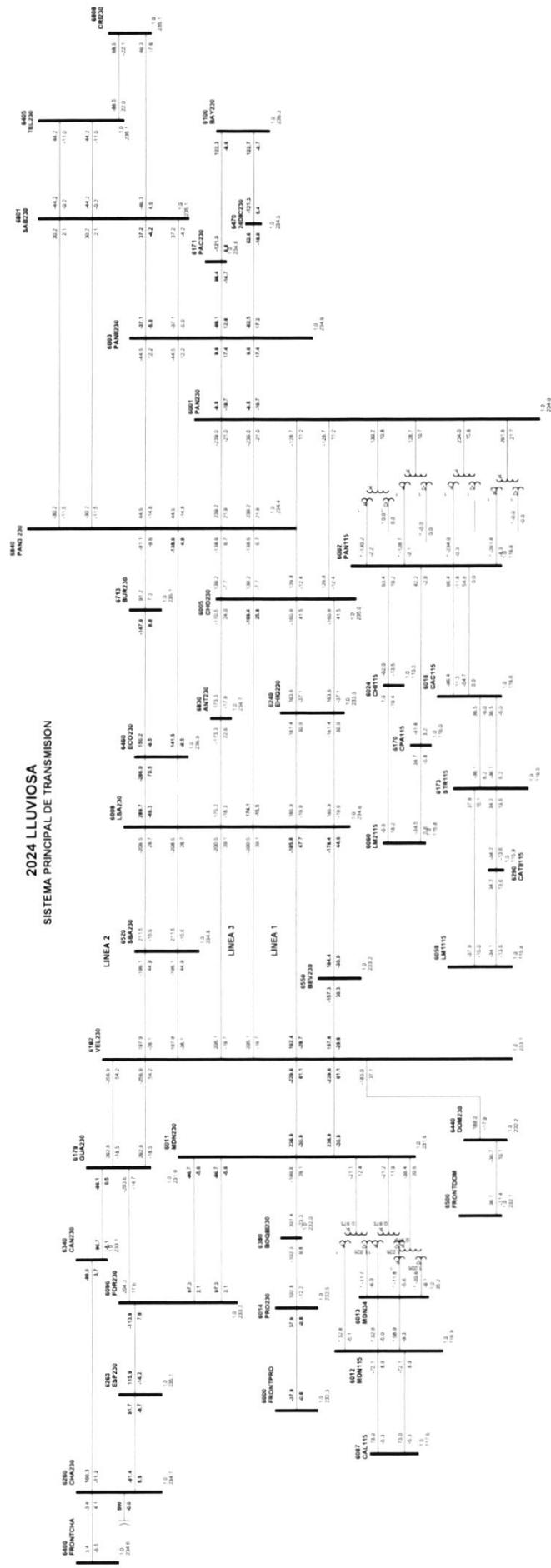


C30-6008-6460-2C





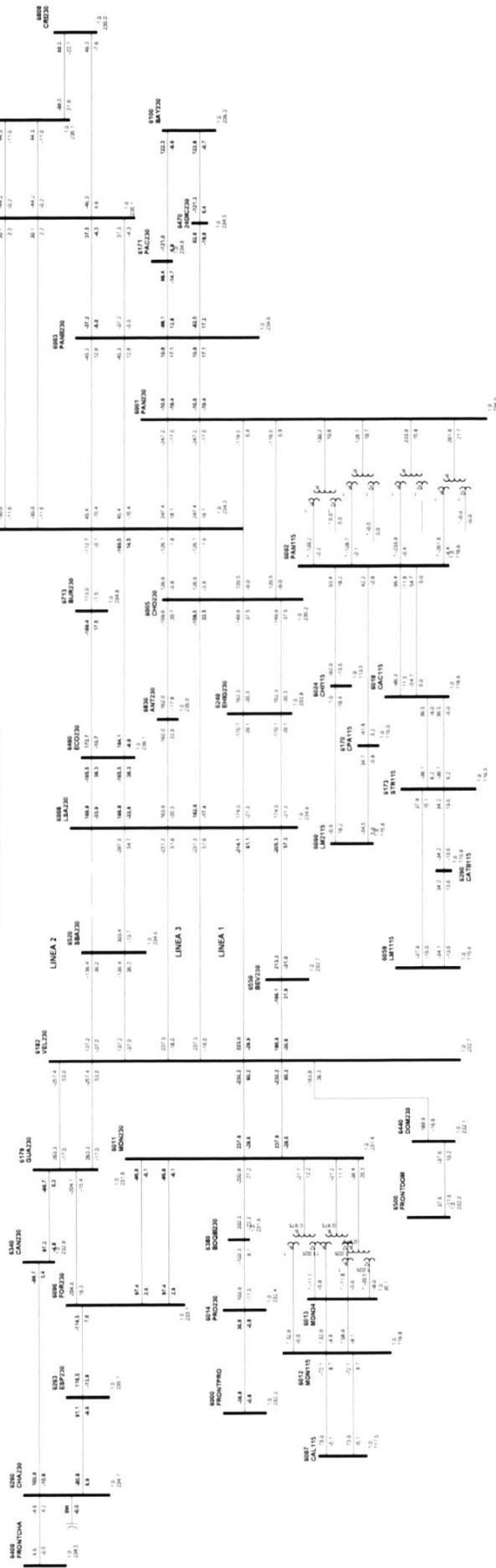
C31-6008-6460-3C





C32-6008-6520-4A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

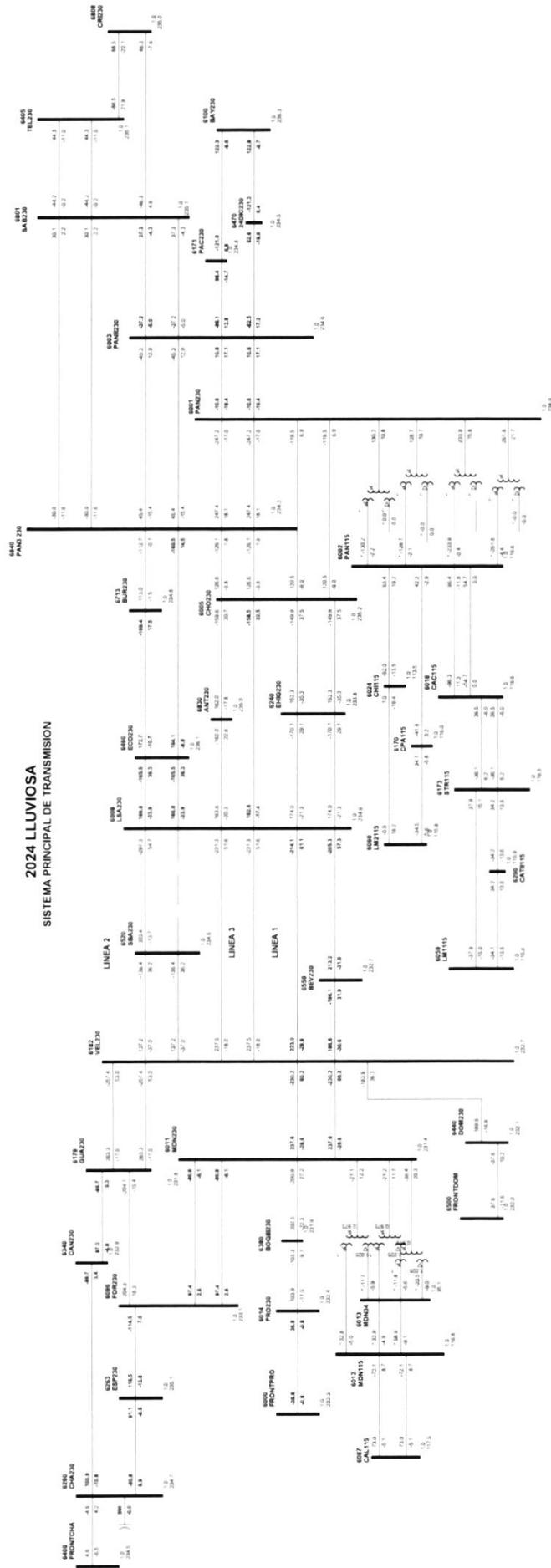


Handwritten mark or signature.





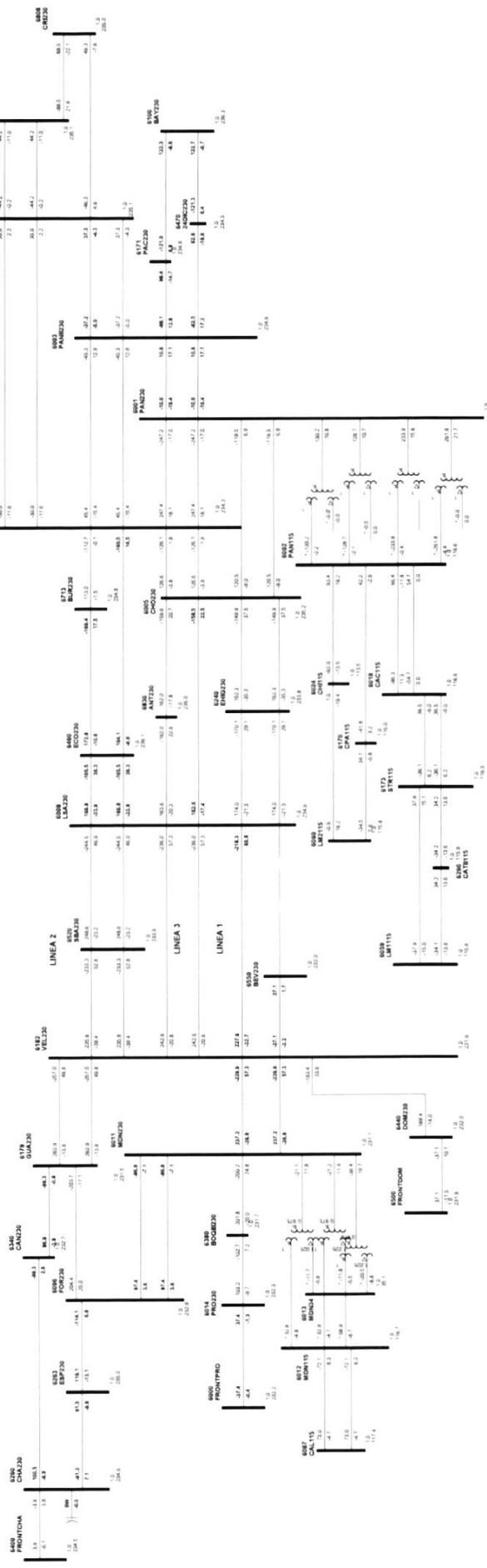
C33-6008-6520-5A





C34-6008-6550-6A

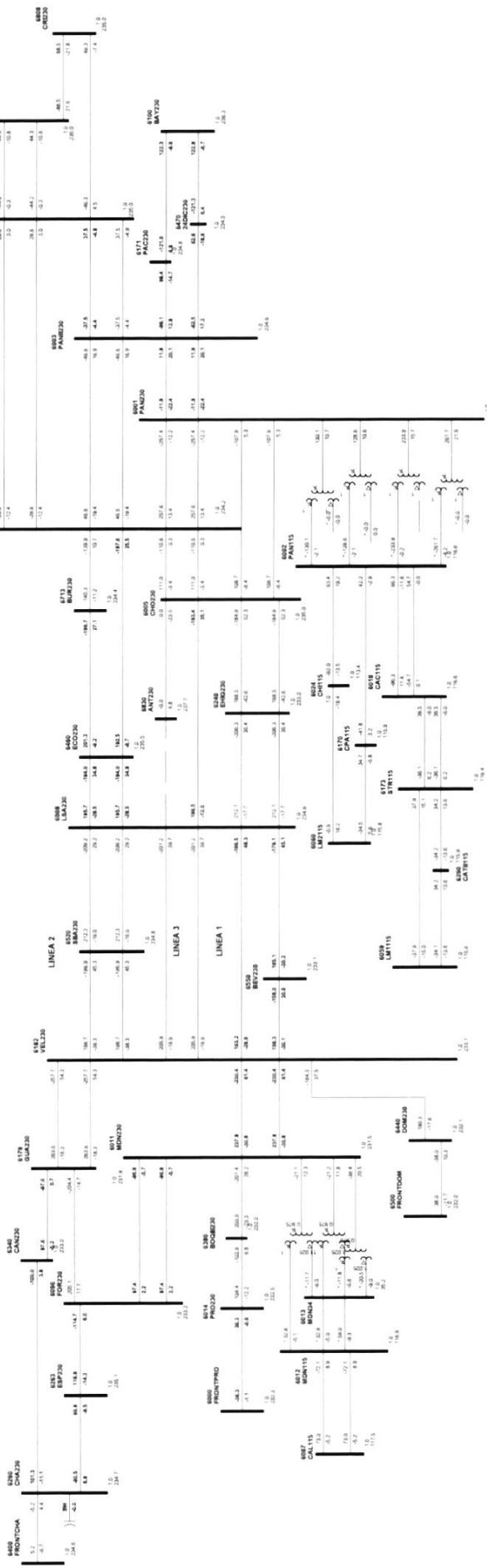
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C35-6008-6830-9B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C36-6011-6096-7

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

Diagrama de flujo de datos para el sistema principal de transmisión en 2024 Lluviosa. El diagrama muestra una red compleja de líneas y nodos, con valores numéricos asociados a cada uno.

- LÍNEA 2:** Incluye sub-nodos como 6400 LSA230, 6400 ECA230, 6400 BBA230, 6400 BBA230 y 6400 BBA230.
- LÍNEA 3:** Incluye sub-nodos como 6400 BBA230, 6400 BBA230 y 6400 BBA230.
- LÍNEA 1:** Incluye sub-nodos como 6400 BBA230, 6400 BBA230 y 6400 BBA230.
- Nodos Principales:** 6400 PRONTOMA, 6400 SAN GABRIEL, 6400 GUAYAZO, 6400 MONKENO, 6400 BOGOTERO, 6400 PROTOFONO, 6400 MONTECALA, 6400 MONTECALA.

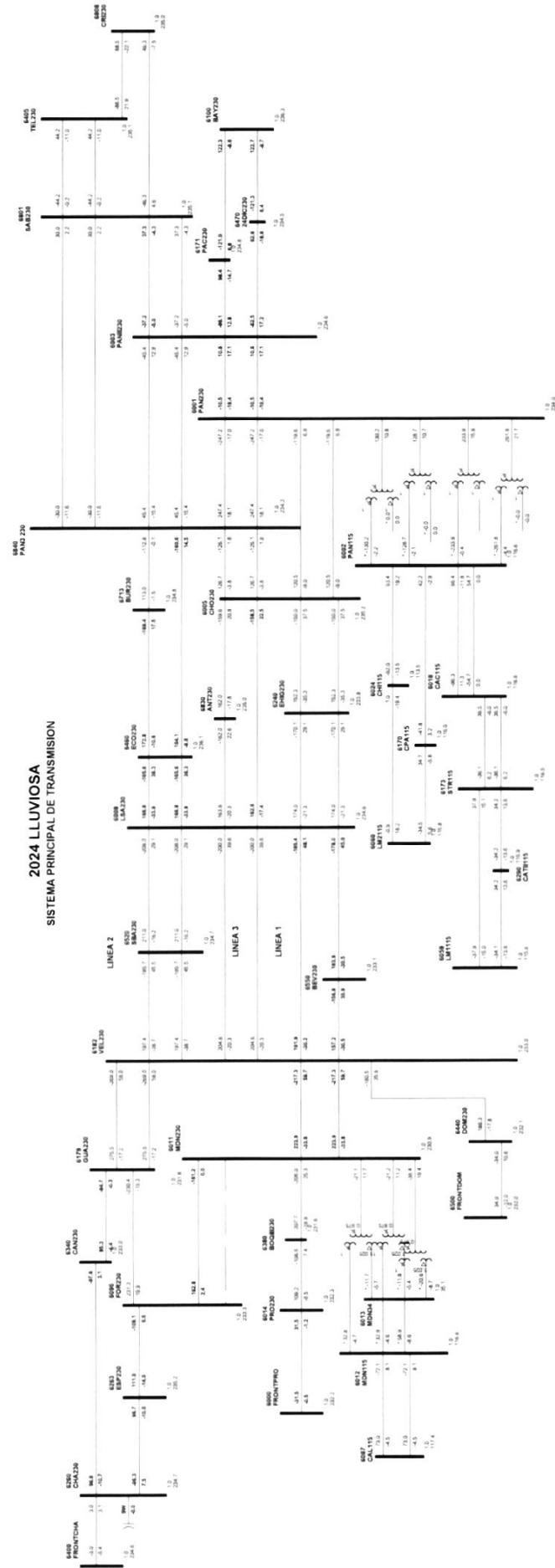
Sub-nodo / Nudo	Valores Principales
6400 PRONTOMA	15.2, 28.7
6400 SAN GABRIEL	48.2, 11.8, 11.8
6400 GUAYAZO	179.4, 30.4, 18.1
6400 MONKENO	298.9, 38.6, 20.1
6400 BOGOTERO	315.9, 31.5, 14.3
6400 PROTOFONO	232.8, 22.8, 10.4
6400 MONTECALA	211.7, 21.7, 11.7
6400 MONTECALA	195.5, 19.5, 9.5
6400 MONTECALA	181.8, 18.1, 8.1
6400 MONTECALA	168.1, 16.8, 6.8
6400 MONTECALA	154.4, 15.4, 5.4
6400 MONTECALA	140.7, 14.0, 4.0
6400 MONTECALA	127.0, 12.7, 2.7
6400 MONTECALA	113.3, 11.3, 1.3
6400 MONTECALA	99.6, 9.9, 0.9
6400 MONTECALA	85.9, 8.5, 0.5
6400 MONTECALA	72.2, 7.2, 0.2
6400 MONTECALA	58.5, 5.8, 0.8
6400 MONTECALA	44.8, 4.4, 0.4
6400 MONTECALA	31.1, 3.1, 0.1
6400 MONTECALA	17.4, 1.7, 0.7

18





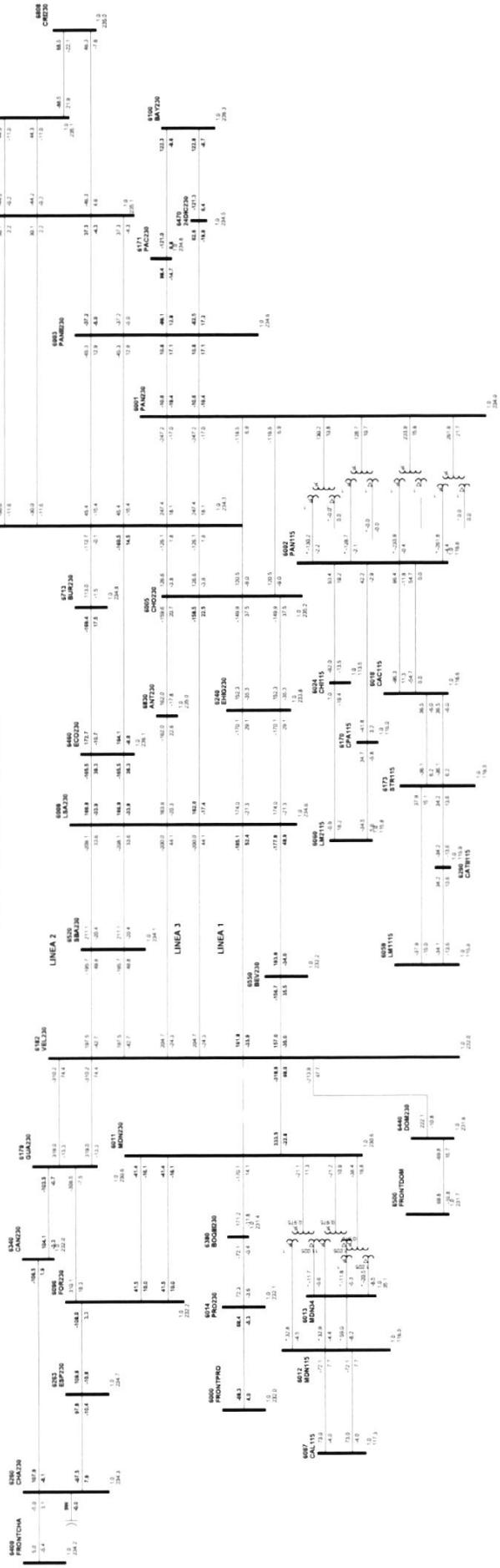
C37-6011-6096-8





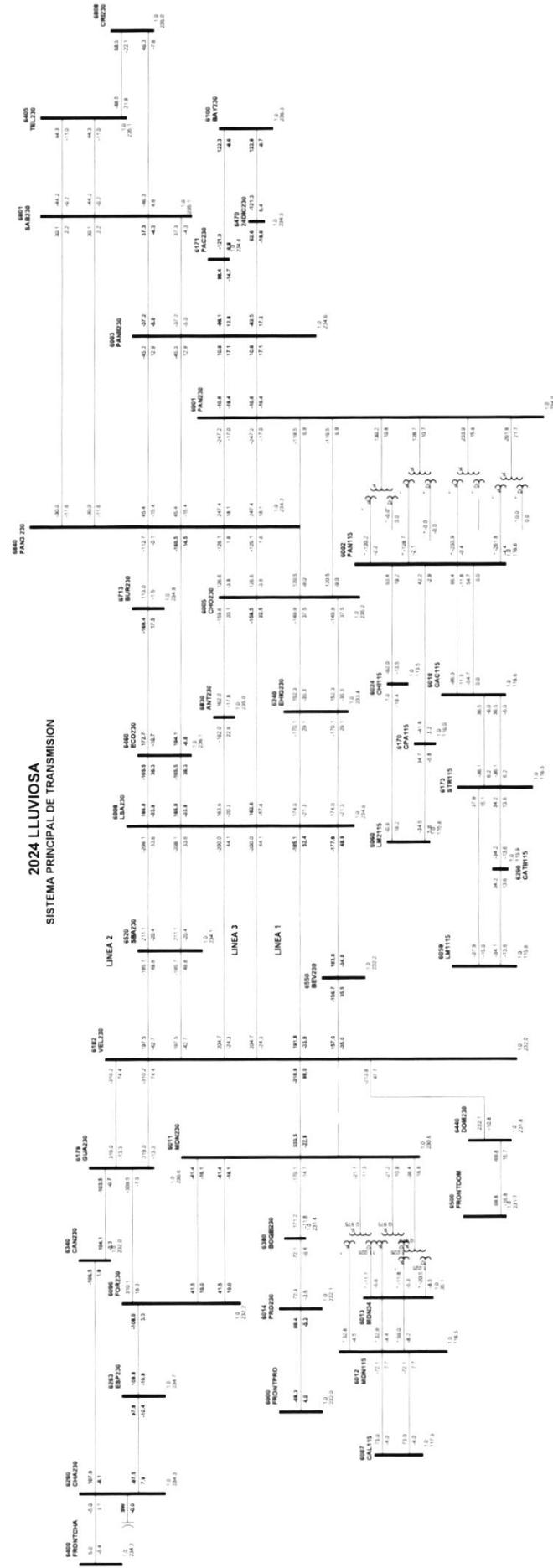
C38-6011-6182-5C

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C39-6011-6182-6C



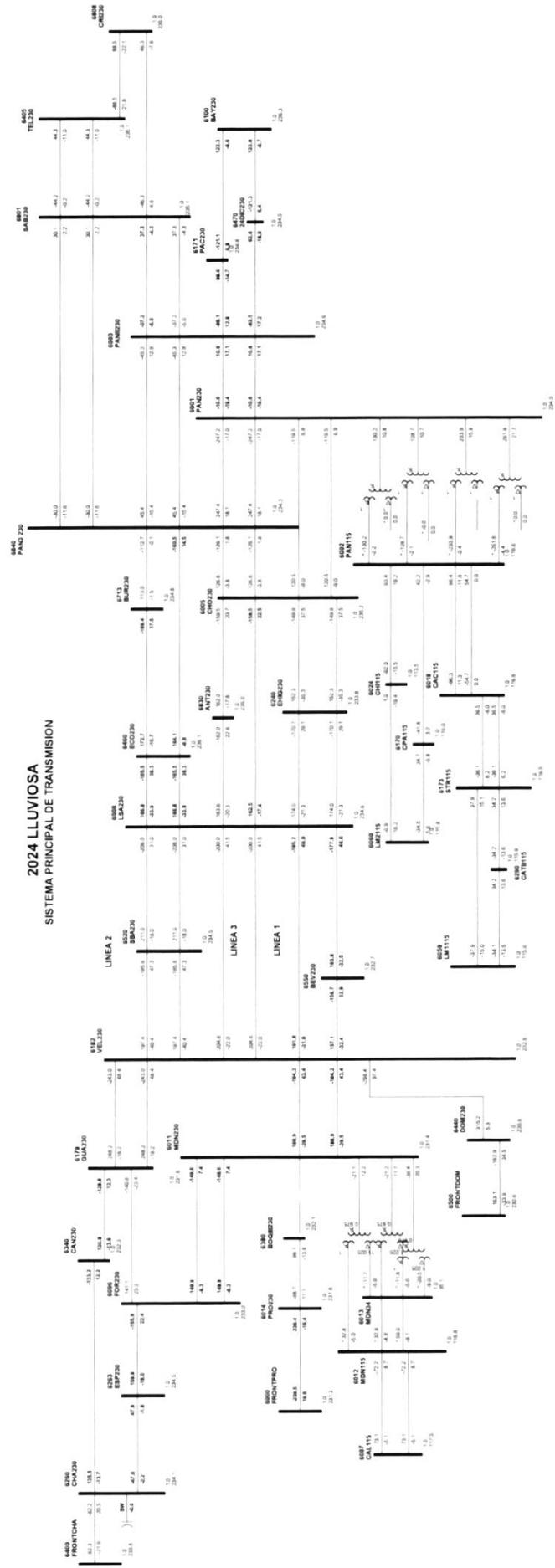
B





C40-6011-6380-9A

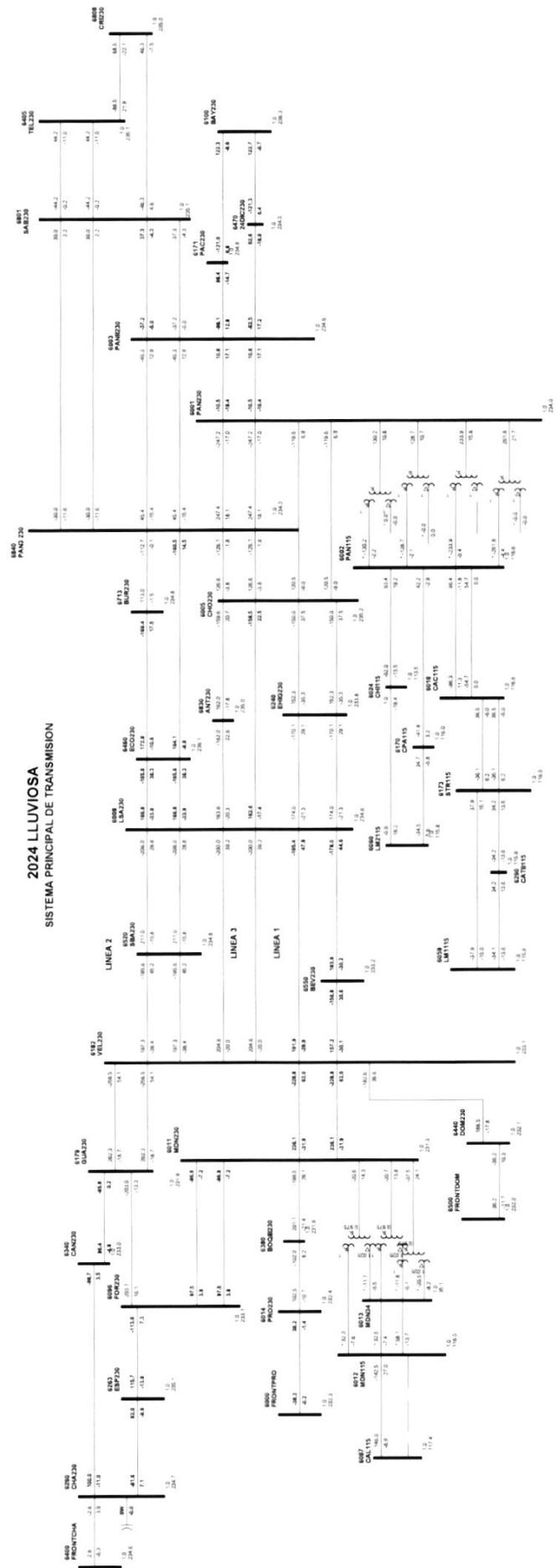
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C41-6012-6087-15

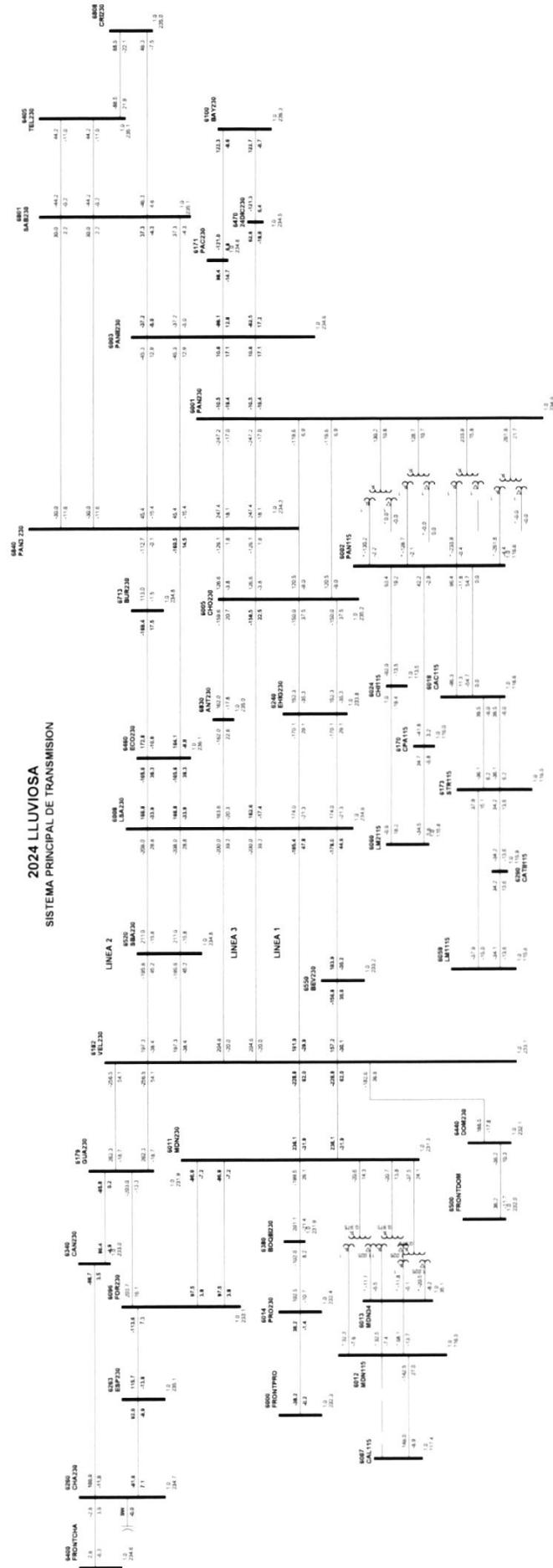
2024 Lluviosa  
SISTEMA PRINCIPAL DE TRANSMISIÓN





C-42-6012-6087-16

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



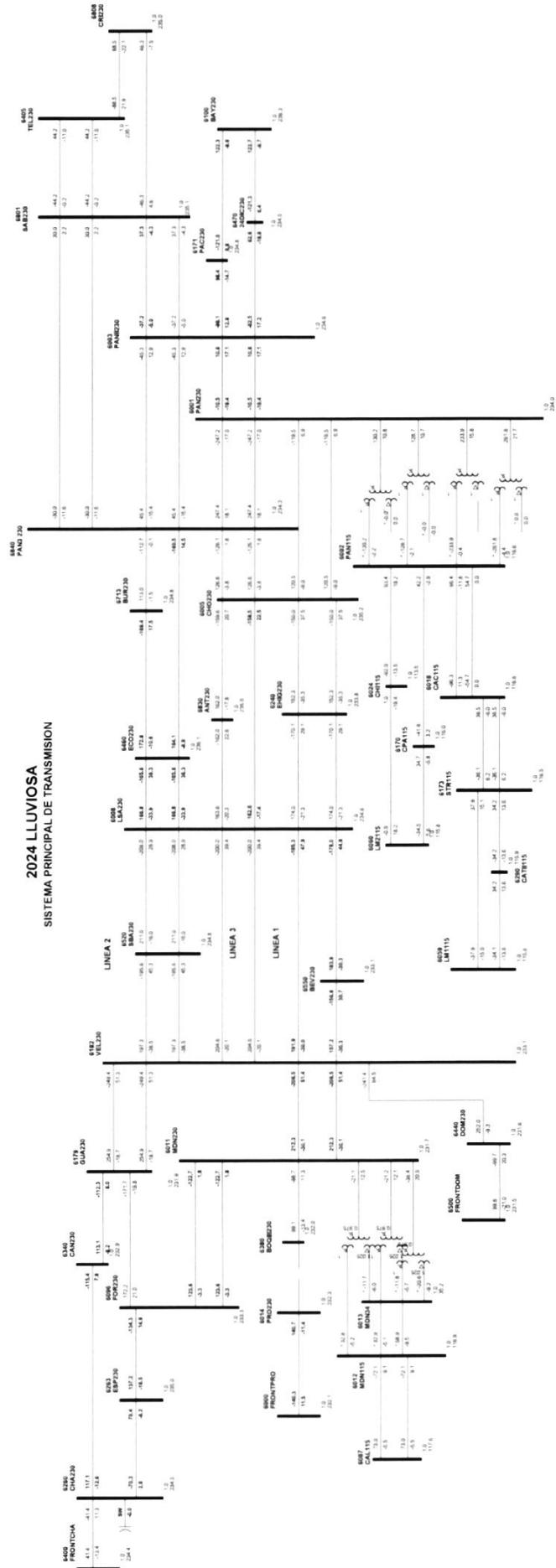
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C43-6014-6380-9B

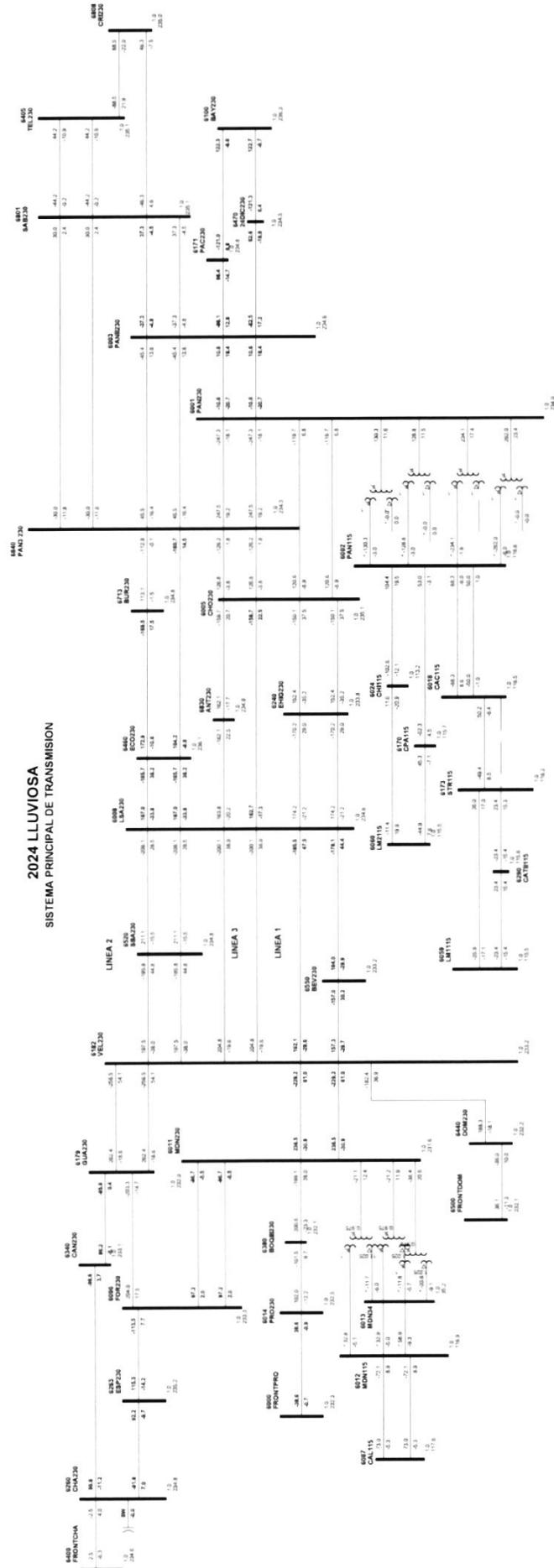
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C44-6018-6173-1A

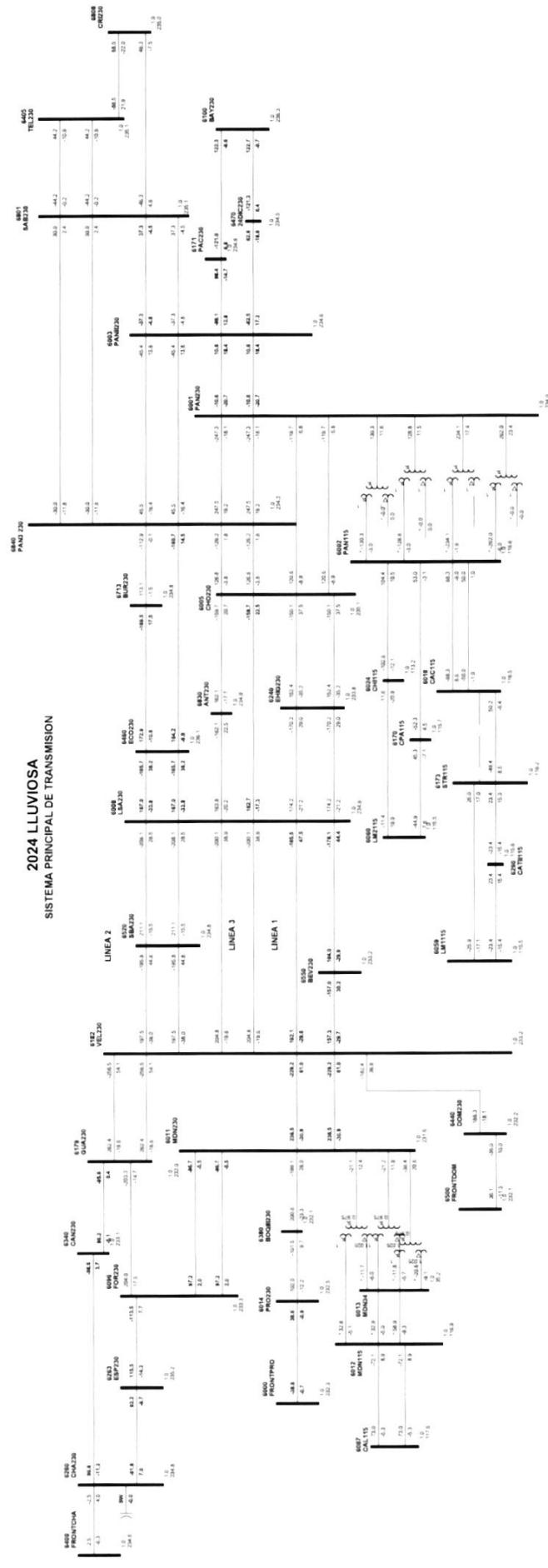
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C45-6018-6173-2A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



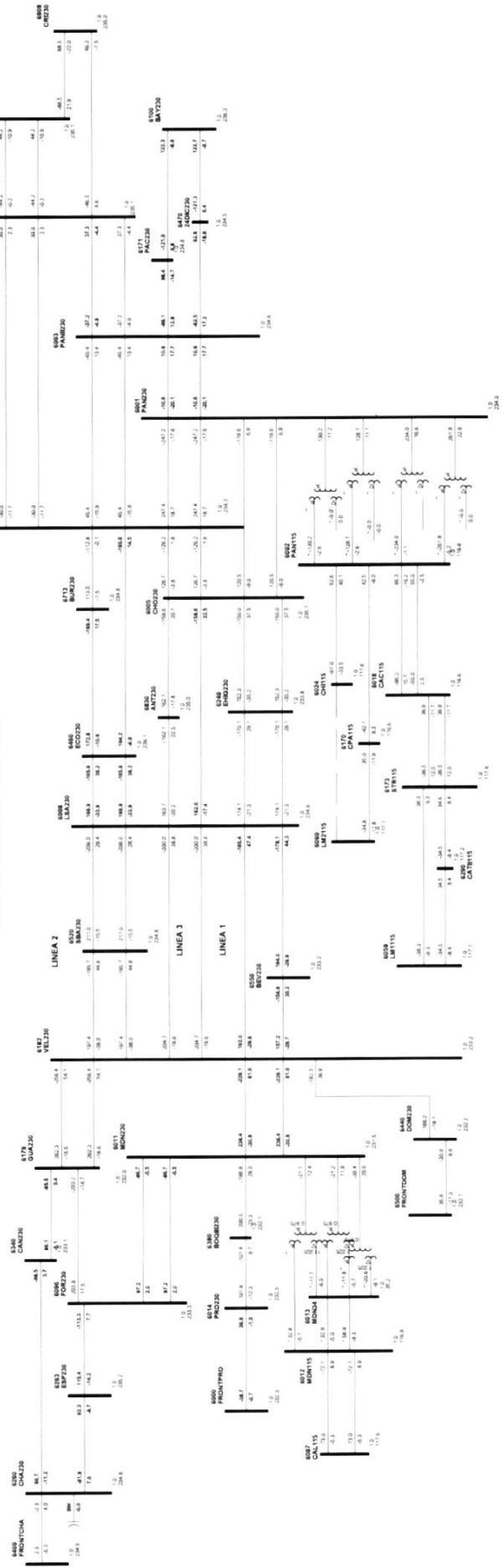
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C-46-6024-6060-3B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



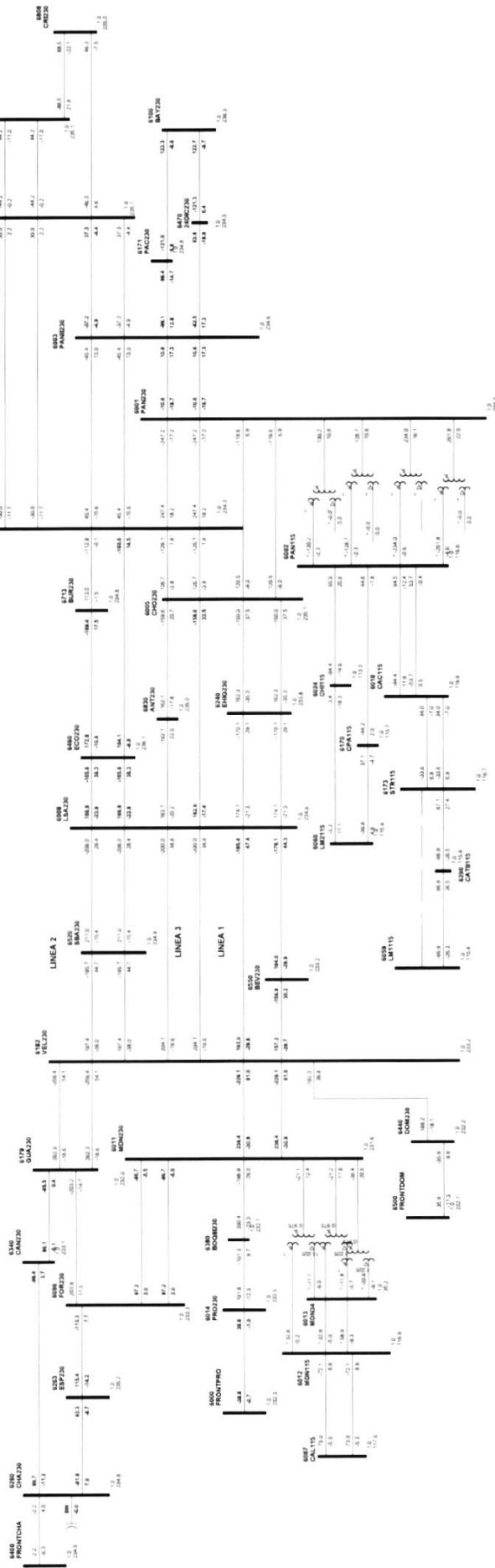
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C47-6059-6173-2B

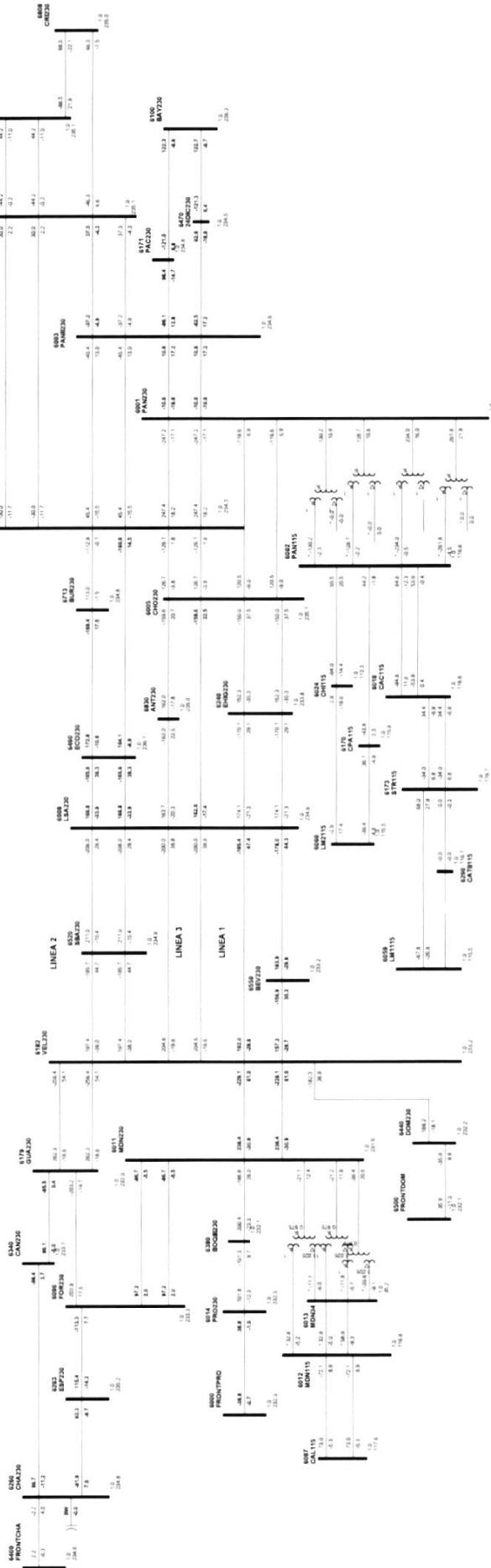
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C48-6059-6290-1C

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



Handwritten mark or signature.

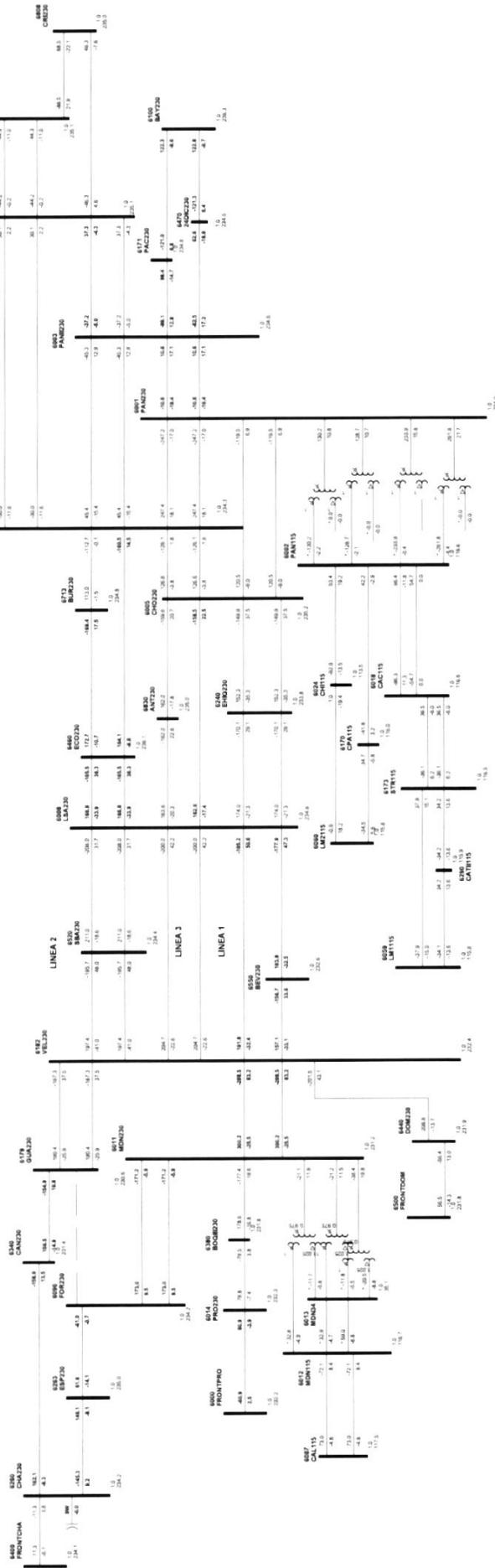






C50-6096-6179-18

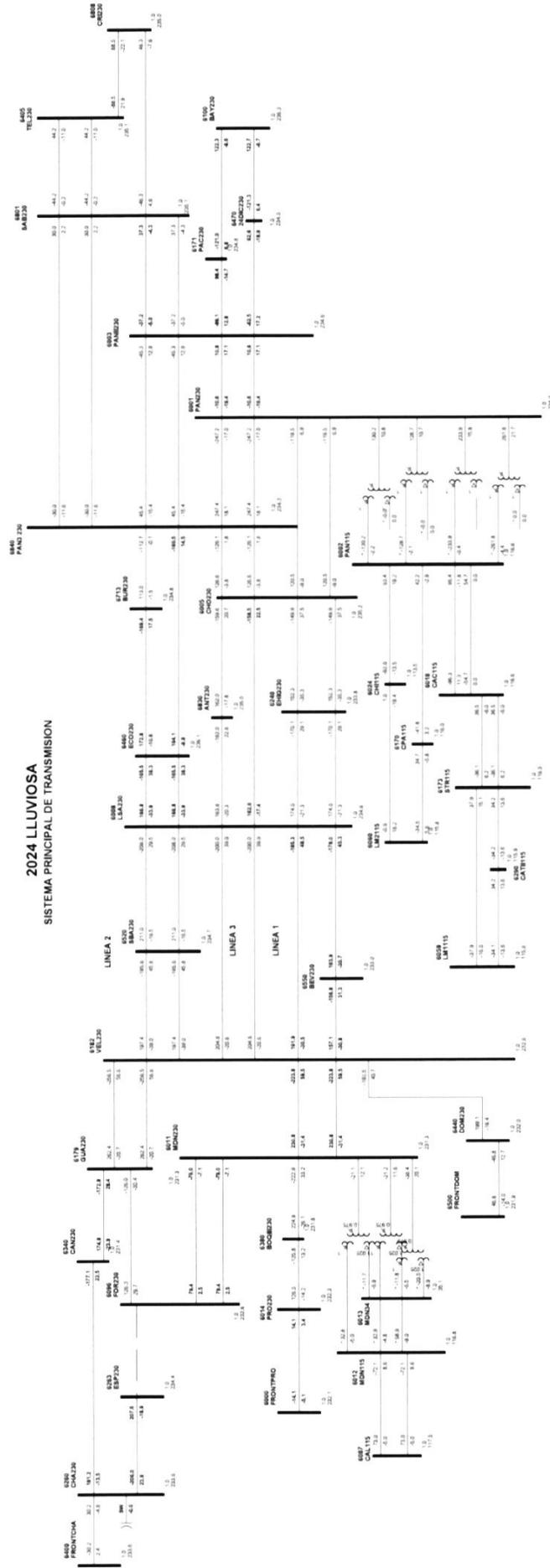
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C51-6096-6263-0A

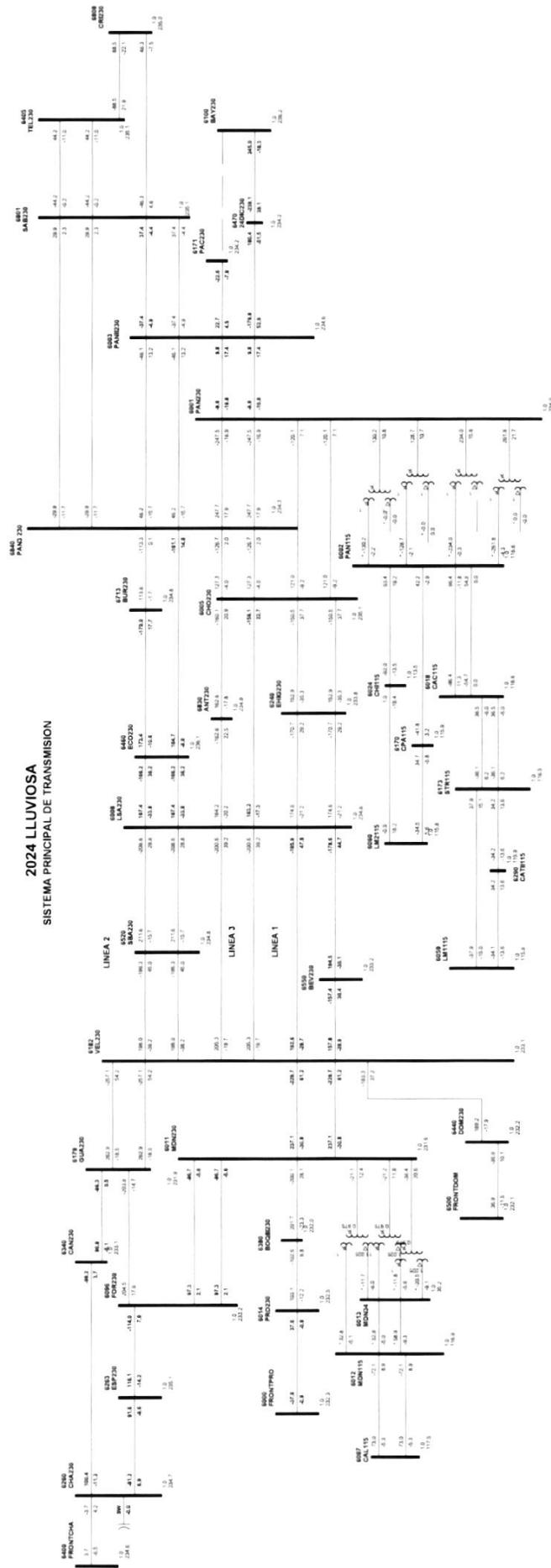
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C52-6100-6171-1A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



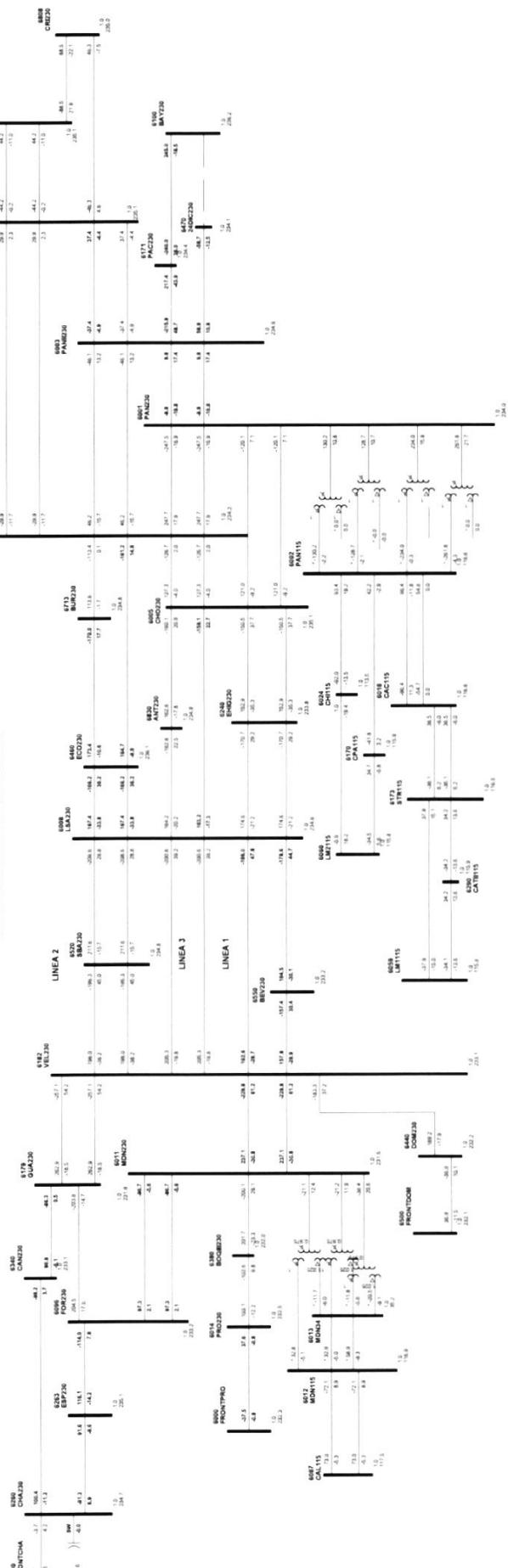
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C53-6100-6470-2A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



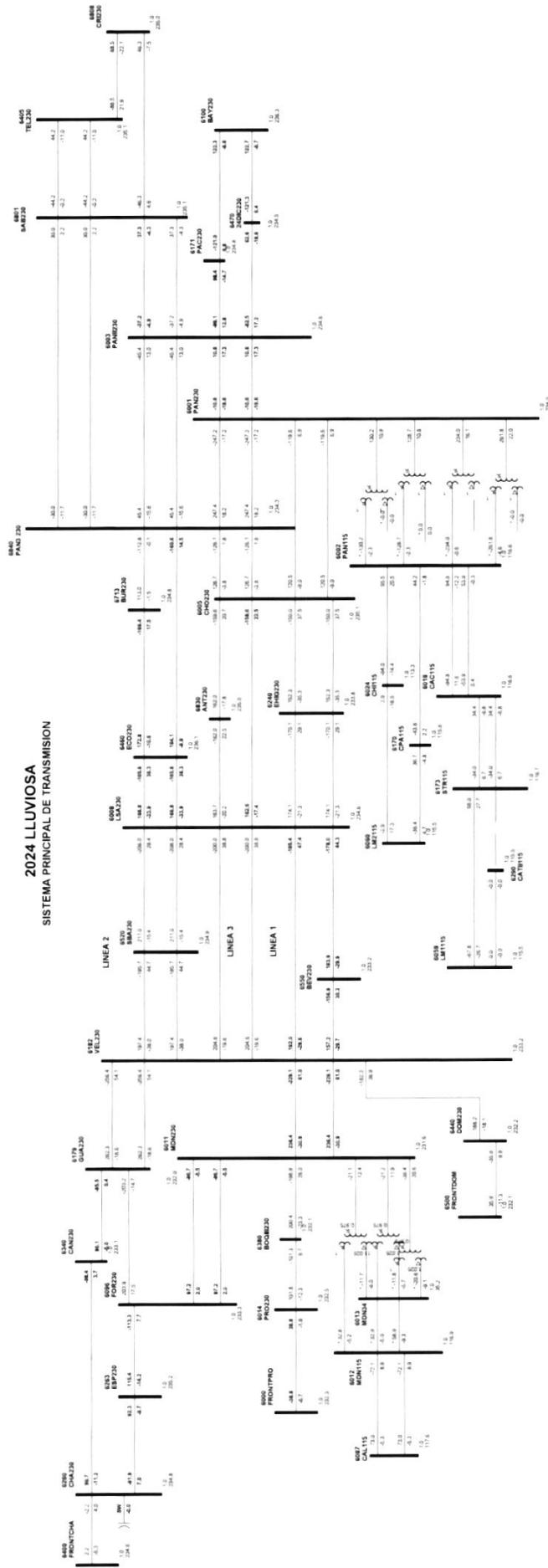
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C54-6173-6290-1B

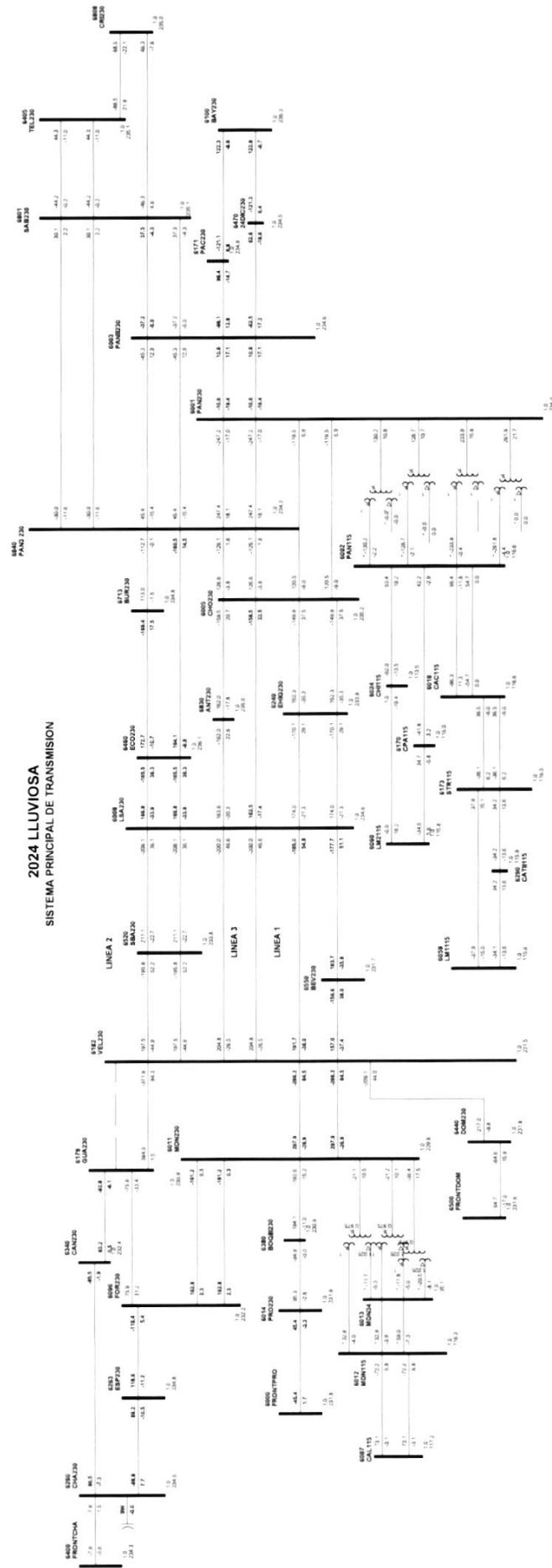
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C55-6179-6182-16

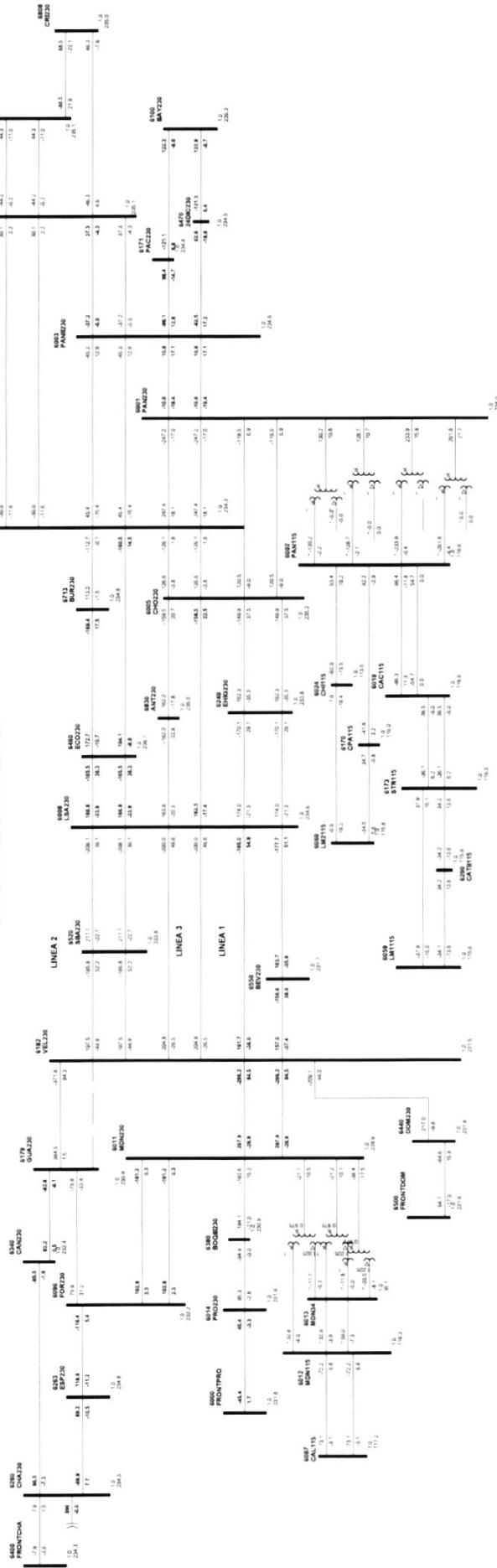
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C56-6179-6182-17

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



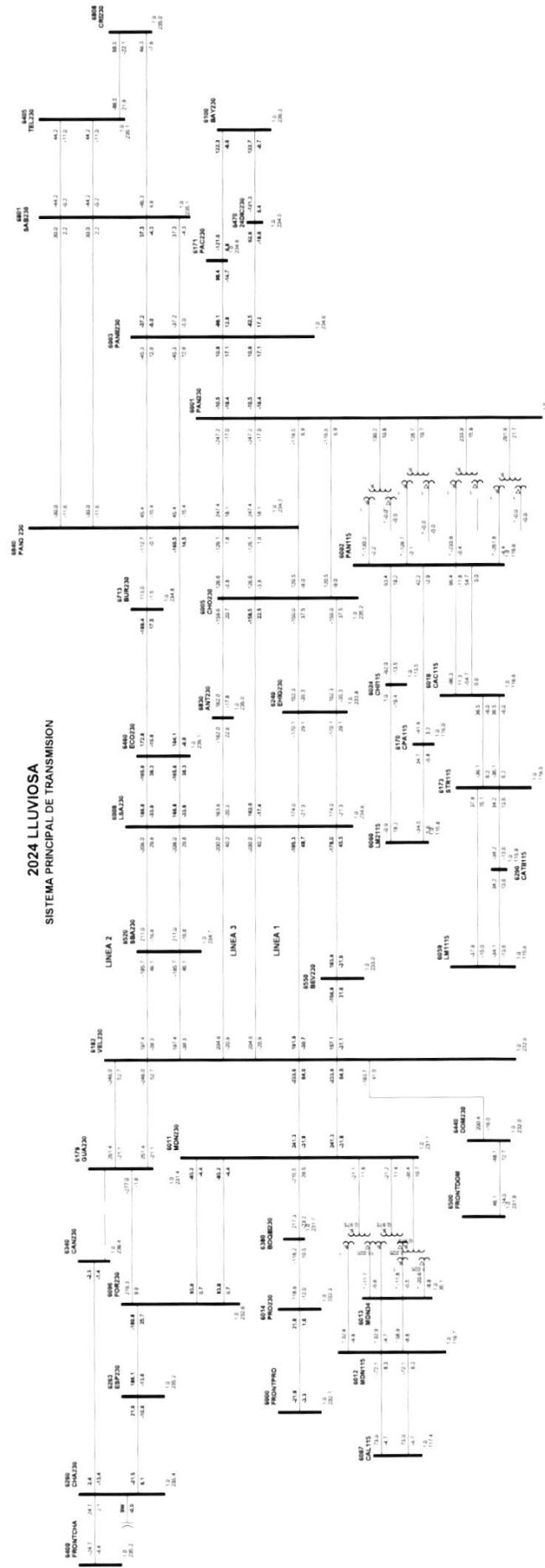
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C57-6179-6401-29

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



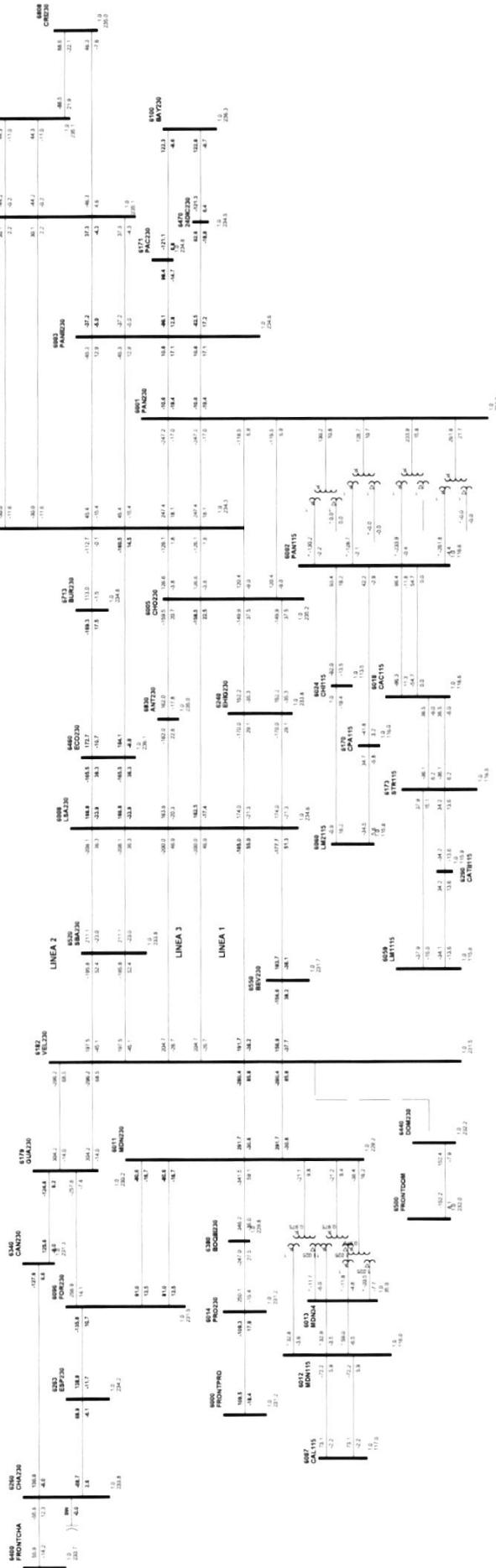
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C58-6182-6440-5A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



A

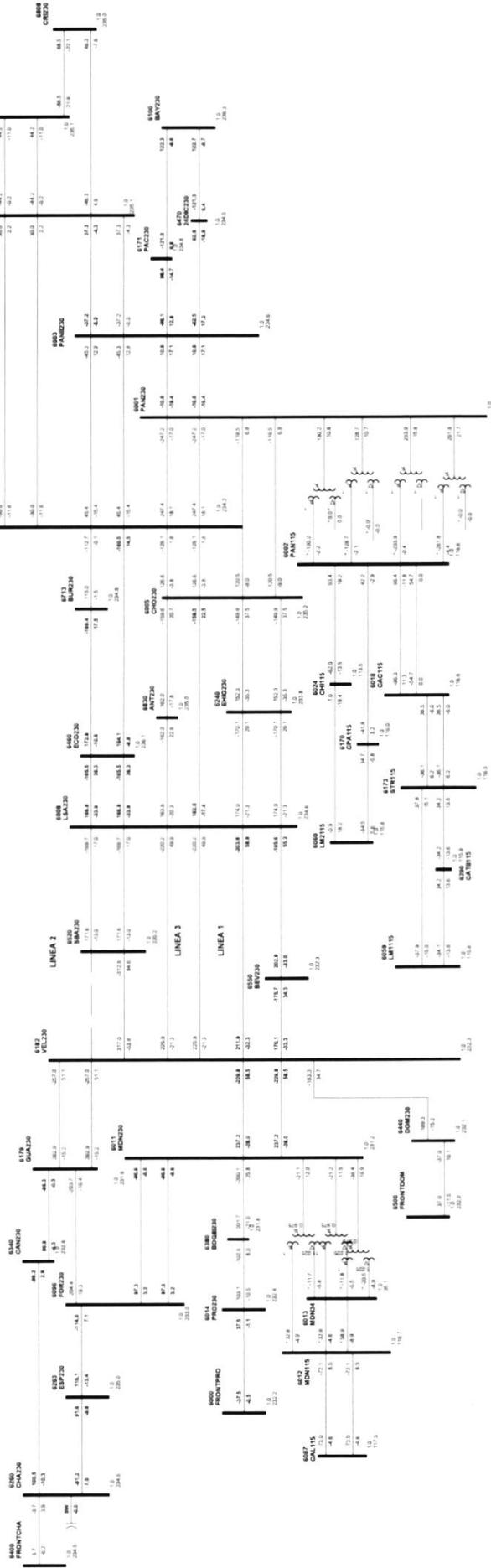




1919

C59-6182-6520-4B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



18

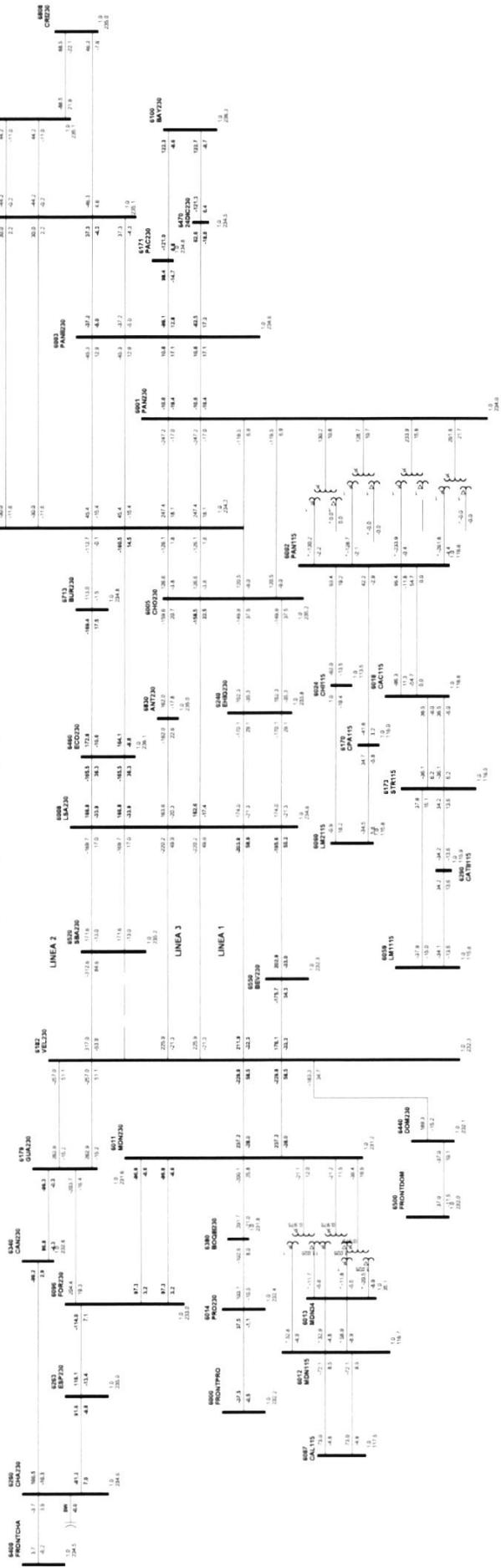
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C60-6182-6520-5B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



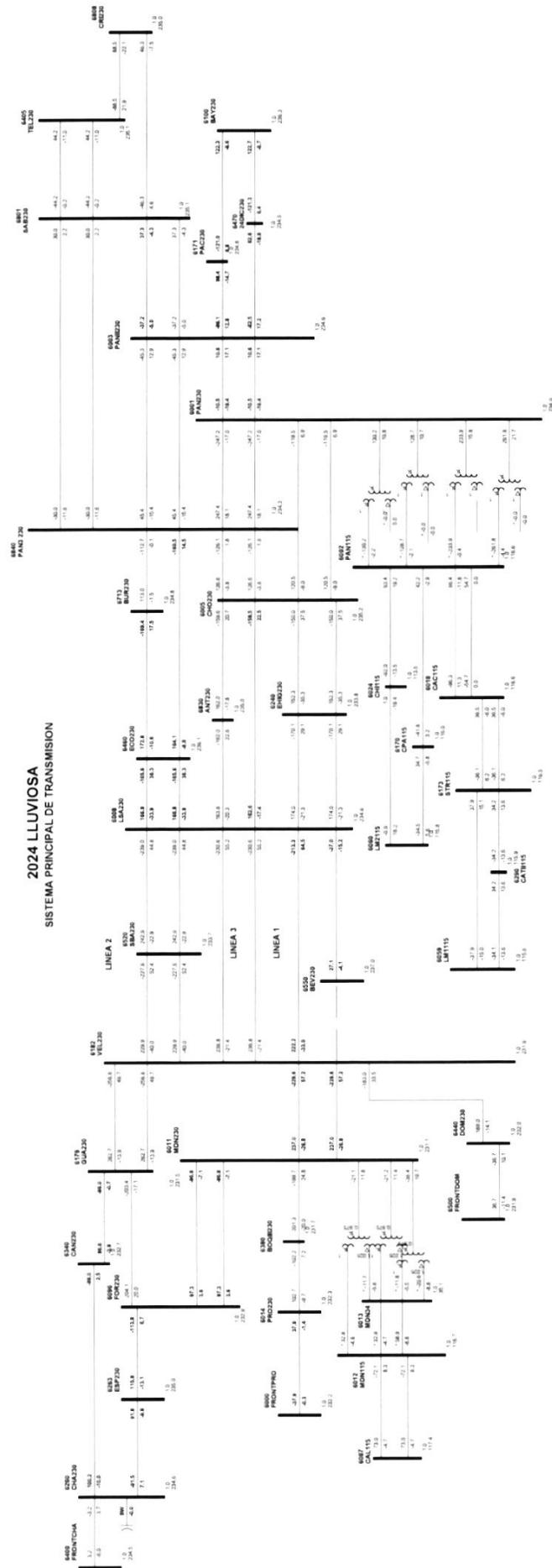
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C61-6182-6550-6B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



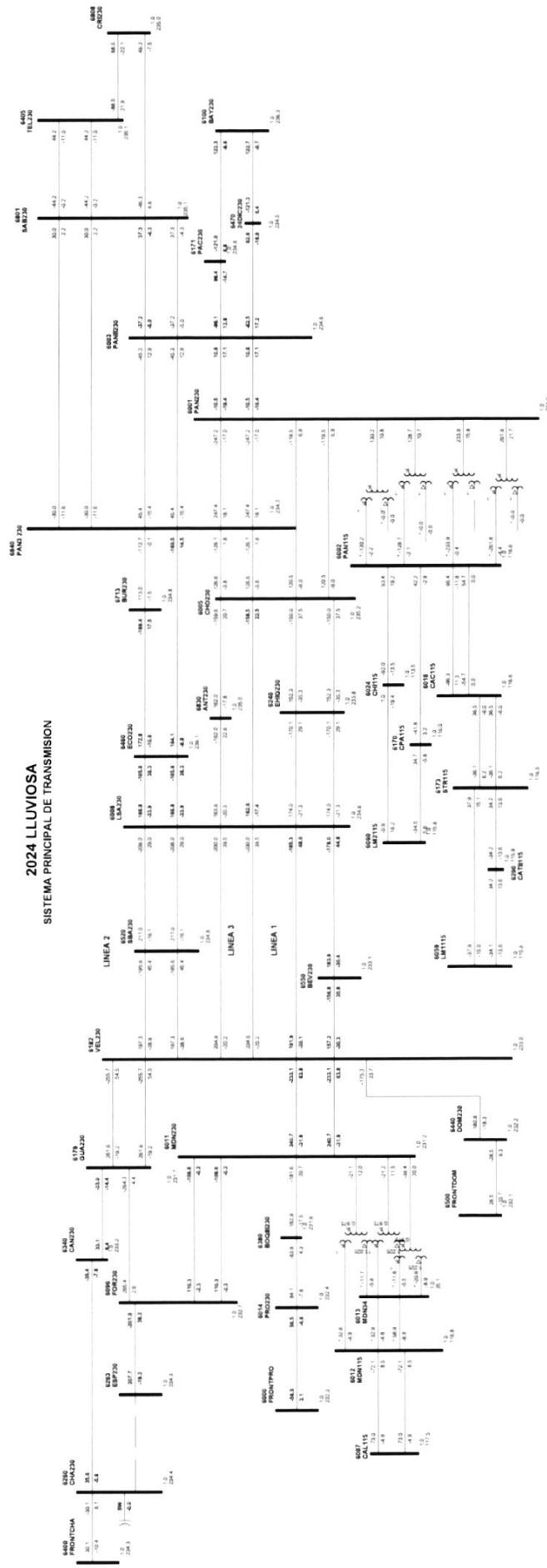
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C62-6260-6263-0B

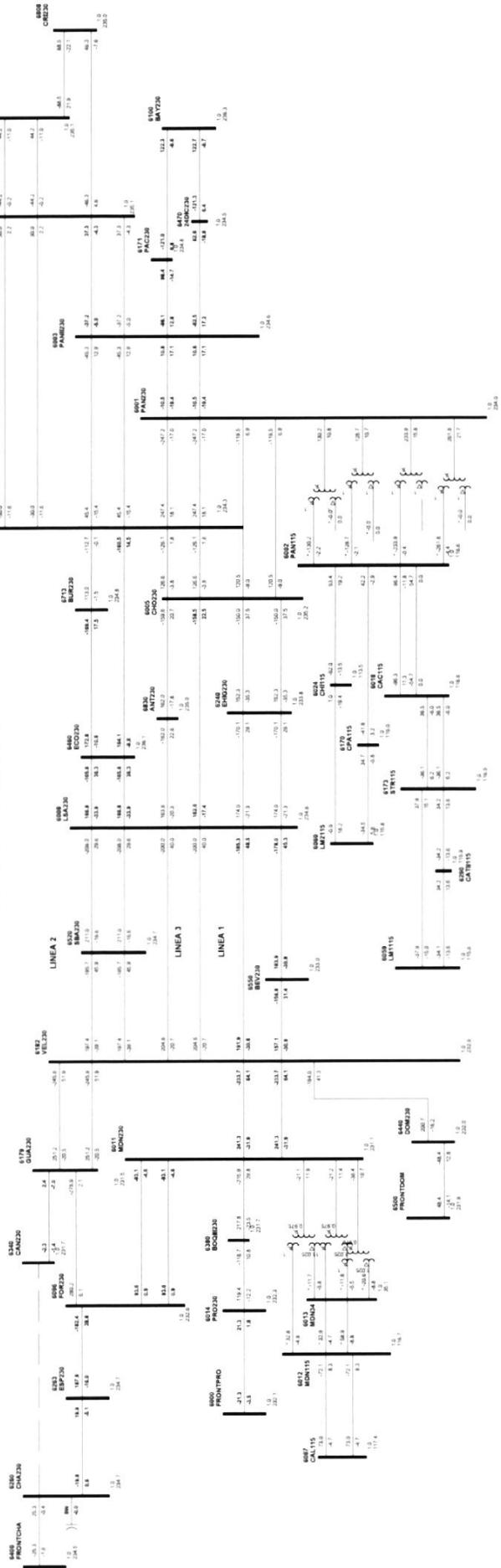
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C63-6260-6340-30

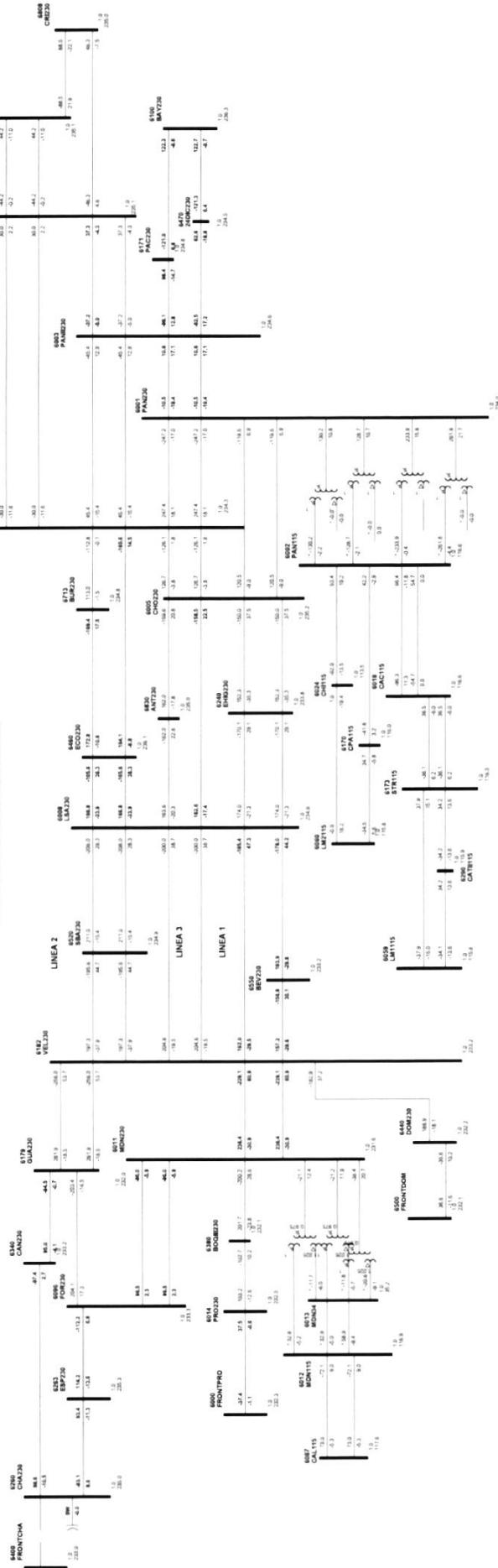
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C64-6260-6400-21

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



Handwritten mark or signature.





C65-6340-6401-29

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

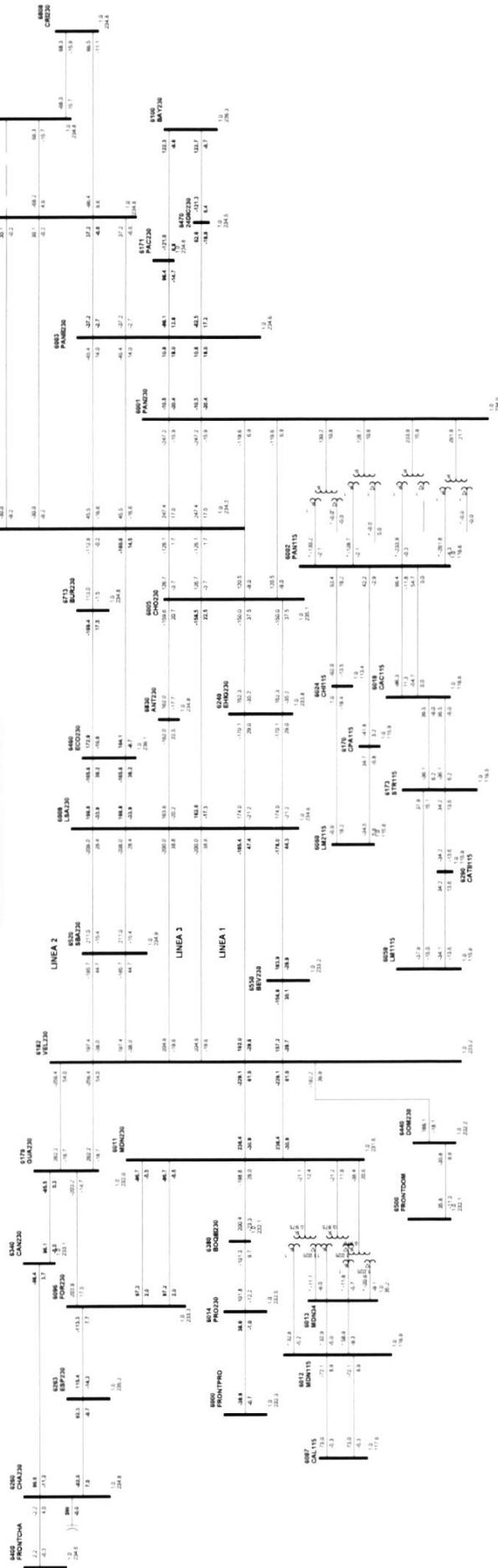
Subestación	6400 CANTON	6401 CANTON	6402 CANTON	6403 CANTON	6404 CANTON	6405 CANTON	6406 CANTON	6407 CANTON	6408 CANTON	6409 CANTON	6410 CANTON	6411 CANTON	6412 CANTON	6413 CANTON	6414 CANTON	6415 CANTON	6416 CANTON	6417 CANTON	6418 CANTON	6419 CANTON	6420 CANTON	6421 CANTON	6422 CANTON	6423 CANTON	6424 CANTON	6425 CANTON	6426 CANTON	6427 CANTON	6428 CANTON	6429 CANTON	6430 CANTON	6431 CANTON	6432 CANTON	6433 CANTON	6434 CANTON	6435 CANTON	6436 CANTON	6437 CANTON	6438 CANTON	6439 CANTON	6440 CANTON	6441 CANTON	6442 CANTON	6443 CANTON	6444 CANTON	6445 CANTON	6446 CANTON	6447 CANTON	6448 CANTON	6449 CANTON	6450 CANTON	6451 CANTON	6452 CANTON	6453 CANTON	6454 CANTON	6455 CANTON	6456 CANTON	6457 CANTON	6458 CANTON	6459 CANTON	6460 CANTON	6461 CANTON	6462 CANTON	6463 CANTON	6464 CANTON	6465 CANTON	6466 CANTON	6467 CANTON	6468 CANTON	6469 CANTON	6470 CANTON	6471 CANTON	6472 CANTON	6473 CANTON	6474 CANTON	6475 CANTON	6476 CANTON	6477 CANTON	6478 CANTON	6479 CANTON	6480 CANTON	6481 CANTON	6482 CANTON	6483 CANTON	6484 CANTON	6485 CANTON	6486 CANTON	6487 CANTON	6488 CANTON	6489 CANTON	6490 CANTON	6491 CANTON	6492 CANTON	6493 CANTON	6494 CANTON	6495 CANTON	6496 CANTON	6497 CANTON	6498 CANTON	6499 CANTON	6500 CANTON
6400	6401	6402	6403	6404	6405	6406	6407	6408	6409	6410	6411	6412	6413	6414	6415	6416	6417	6418	6419	6420	6421	6422	6423	6424	6425	6426	6427	6428	6429	6430	6431	6432	6433	6434	6435	6436	6437	6438	6439	6440	6441	6442	6443	6444	6445	6446	6447	6448	6449	6450	6451	6452	6453	6454	6455	6456	6457	6458	6459	6460	6461	6462	6463	6464	6465	6466	6467	6468	6469	6470	6471	6472	6473	6474	6475	6476	6477	6478	6479	6480	6481	6482	6483	6484	6485	6486	6487	6488	6489	6490	6491	6492	6493	6494	6495	6496	6497	6498	6499	6500	





C66-6405-6801-1

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



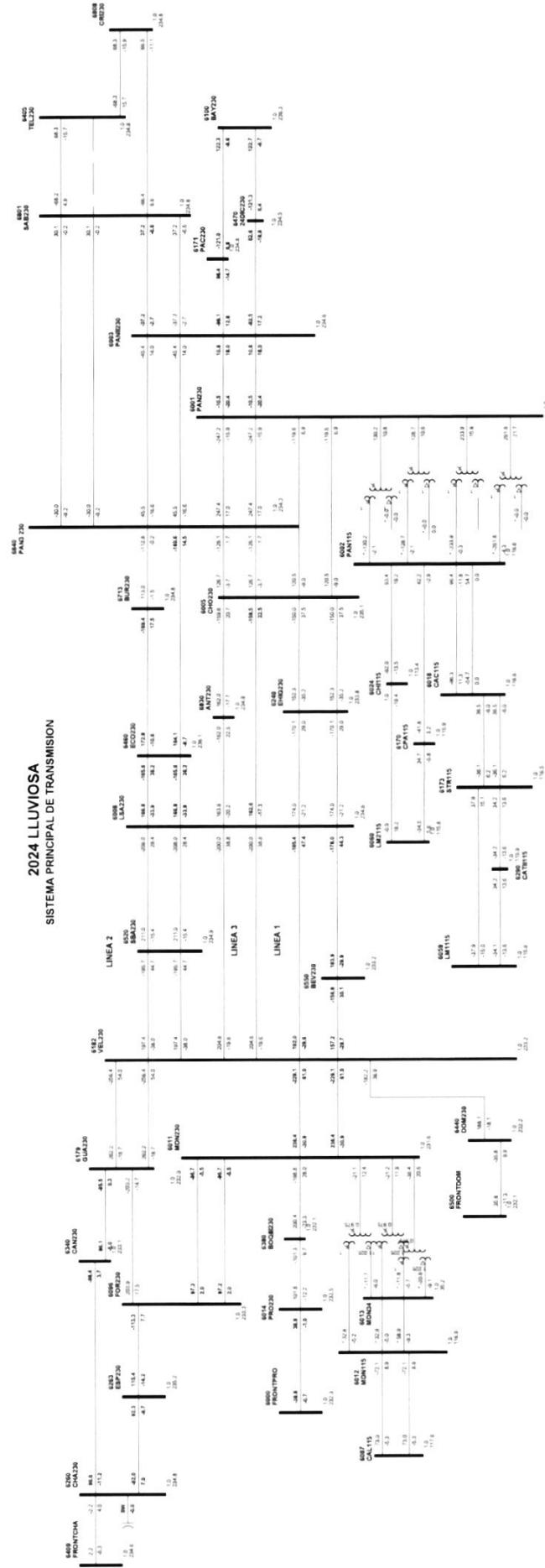
18





C67-6405-6801-2

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



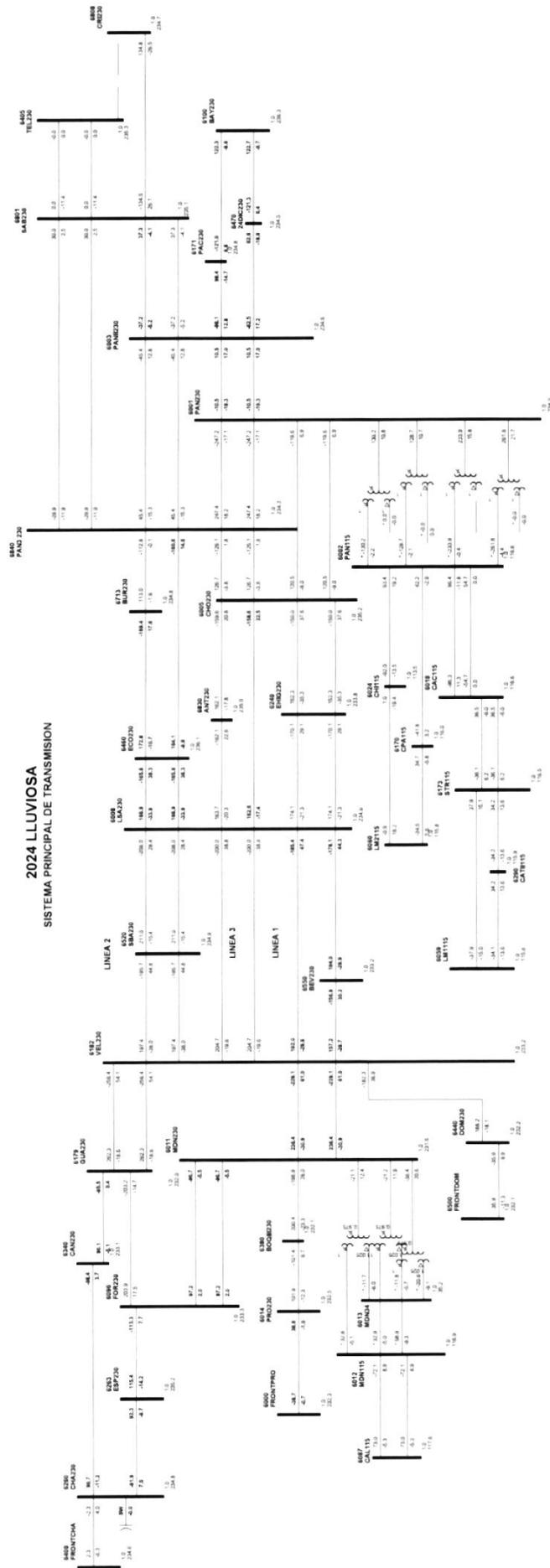
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C68-6405-6808-1

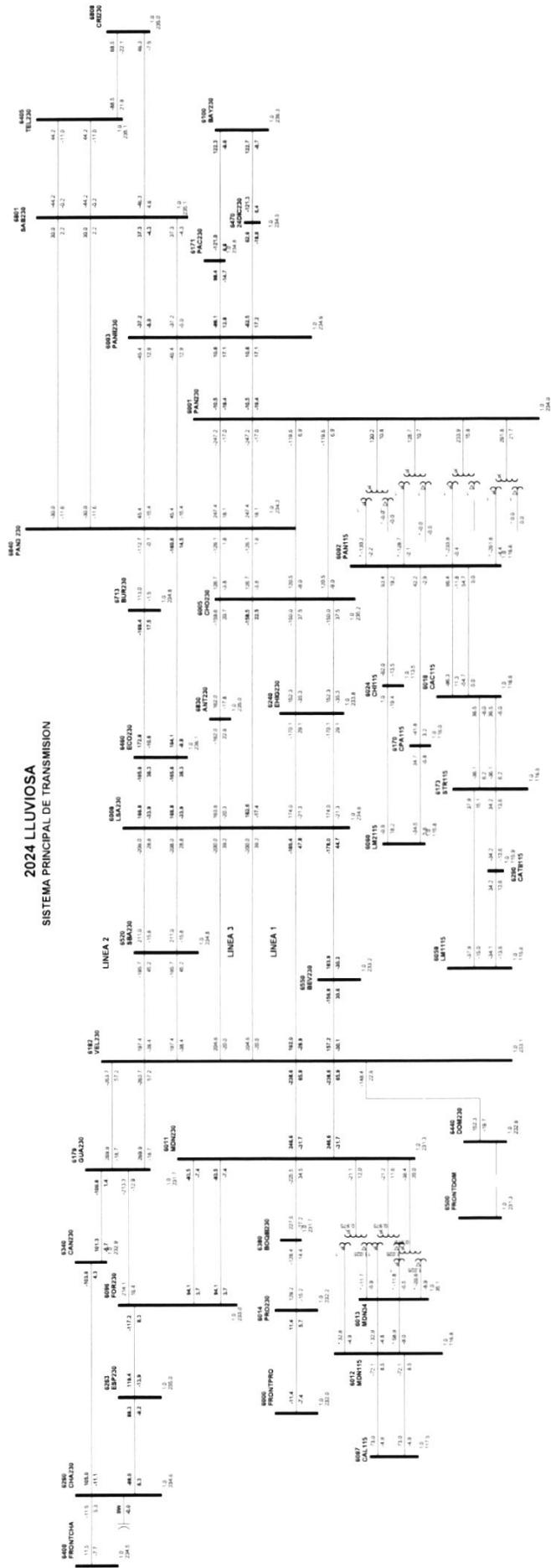
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C69-6440-6500-5B

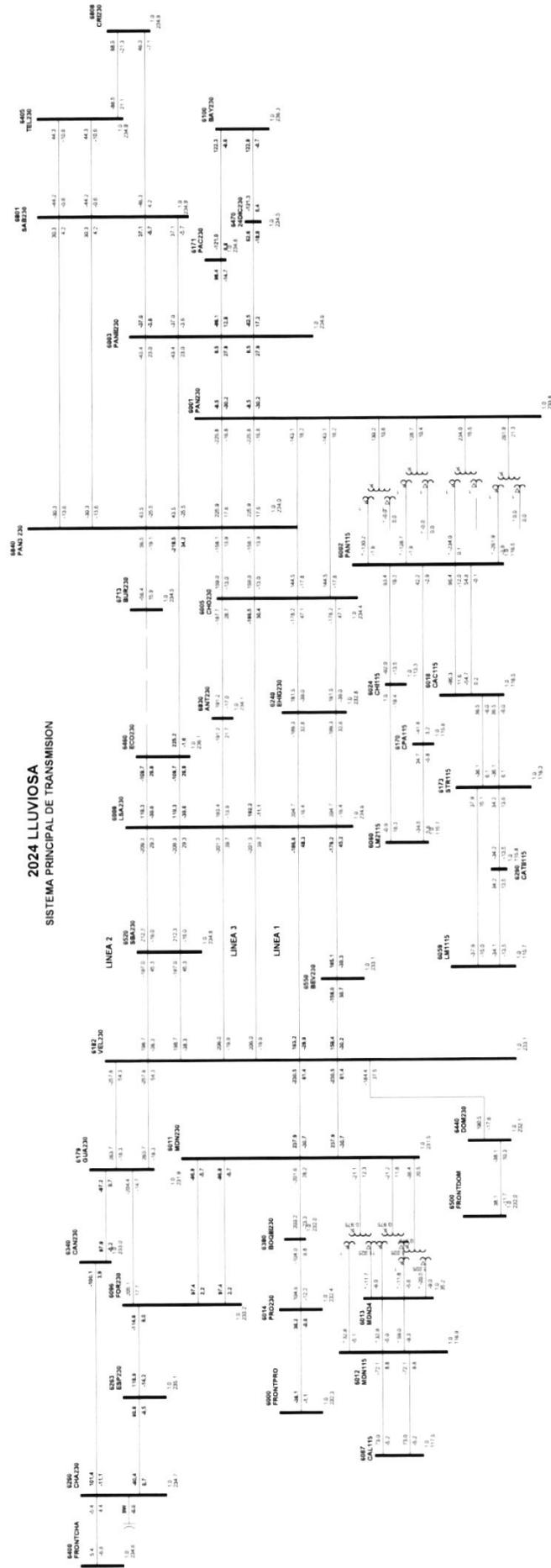
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C70-6460-6713-2B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C71-6460-6840-3B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

Linea	Subestacion	Capacidad (MW)	Reserva (MW)	Reserva (%)
LINEA 2	6320 SANJAJO	100.0	100.0	100.0
	6330 SANJAJO	100.0	100.0	100.0
	6440 ESCOBAR	100.0	100.0	100.0
	6500 LEAMAZO	100.0	100.0	100.0
	6510 SANJAJO	100.0	100.0	100.0
	6520 SANJAJO	100.0	100.0	100.0
	6530 SANJAJO	100.0	100.0	100.0
	6540 SANJAJO	100.0	100.0	100.0
	6550 SANJAJO	100.0	100.0	100.0
	6560 SANJAJO	100.0	100.0	100.0
	6570 SANJAJO	100.0	100.0	100.0
	6580 SANJAJO	100.0	100.0	100.0
LINEA 3	6590 SANJAJO	100.0	100.0	100.0
	6600 SANJAJO	100.0	100.0	100.0
	6610 SANJAJO	100.0	100.0	100.0
	6620 SANJAJO	100.0	100.0	100.0
	6630 SANJAJO	100.0	100.0	100.0
	6640 SANJAJO	100.0	100.0	100.0
	6650 SANJAJO	100.0	100.0	100.0
	6660 SANJAJO	100.0	100.0	100.0
	6670 SANJAJO	100.0	100.0	100.0
	6680 SANJAJO	100.0	100.0	100.0
	6690 SANJAJO	100.0	100.0	100.0
	6700 SANJAJO	100.0	100.0	100.0
LINEA 1	6710 SANJAJO	100.0	100.0	100.0
	6720 SANJAJO	100.0	100.0	100.0
	6730 SANJAJO	100.0	100.0	100.0
	6740 SANJAJO	100.0	100.0	100.0
	6750 SANJAJO	100.0	100.0	100.0
	6760 SANJAJO	100.0	100.0	100.0
	6770 SANJAJO	100.0	100.0	100.0
	6780 SANJAJO	100.0	100.0	100.0
	6790 SANJAJO	100.0	100.0	100.0
	6800 SANJAJO	100.0	100.0	100.0
	6810 SANJAJO	100.0	100.0	100.0
	6820 SANJAJO	100.0	100.0	100.0
OTRAS	6830 SANJAJO	100.0	100.0	100.0
	6840 SANJAJO	100.0	100.0	100.0
	6850 SANJAJO	100.0	100.0	100.0
	6860 SANJAJO	100.0	100.0	100.0
	6870 SANJAJO	100.0	100.0	100.0
	6880 SANJAJO	100.0	100.0	100.0
	6890 SANJAJO	100.0	100.0	100.0
	6900 SANJAJO	100.0	100.0	100.0
	6910 SANJAJO	100.0	100.0	100.0
	6920 SANJAJO	100.0	100.0	100.0
	6930 SANJAJO	100.0	100.0	100.0
	6940 SANJAJO	100.0	100.0	100.0





C72-6713-6840-2B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

LINEA 2	LINEA 3	LINEA 1	LINEA 4
<b>6400 FRONTERA</b> 6401 CANCUN 6402 COCOTE 6403 ESPERANZA 6404 FORJEN 6405 MONTAÑA 6406 PANTANILLO 6407 VELAZQUEZ 6408 YAGUAY 6409 ZARAGOZA	<b>6410 CACTUS</b> 6411 COCOTE 6412 ESPERANZA 6413 FORJEN 6414 MONTAÑA 6415 PANTANILLO 6416 VELAZQUEZ 6417 YAGUAY 6418 ZARAGOZA	<b>6420 CACTUS</b> 6421 COCOTE 6422 ESPERANZA 6423 FORJEN 6424 MONTAÑA 6425 PANTANILLO 6426 VELAZQUEZ 6427 YAGUAY 6428 ZARAGOZA	<b>6430 CACTUS</b> 6431 COCOTE 6432 ESPERANZA 6433 FORJEN 6434 MONTAÑA 6435 PANTANILLO 6436 VELAZQUEZ 6437 YAGUAY 6438 ZARAGOZA

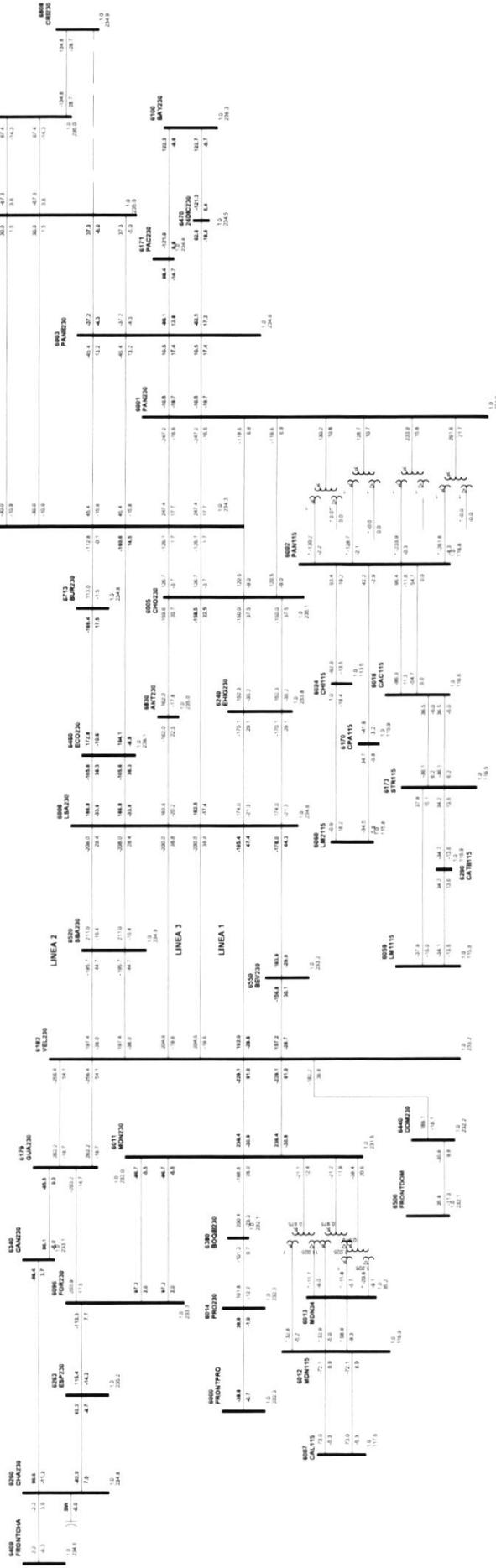
A





C73-6801-6808-1

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



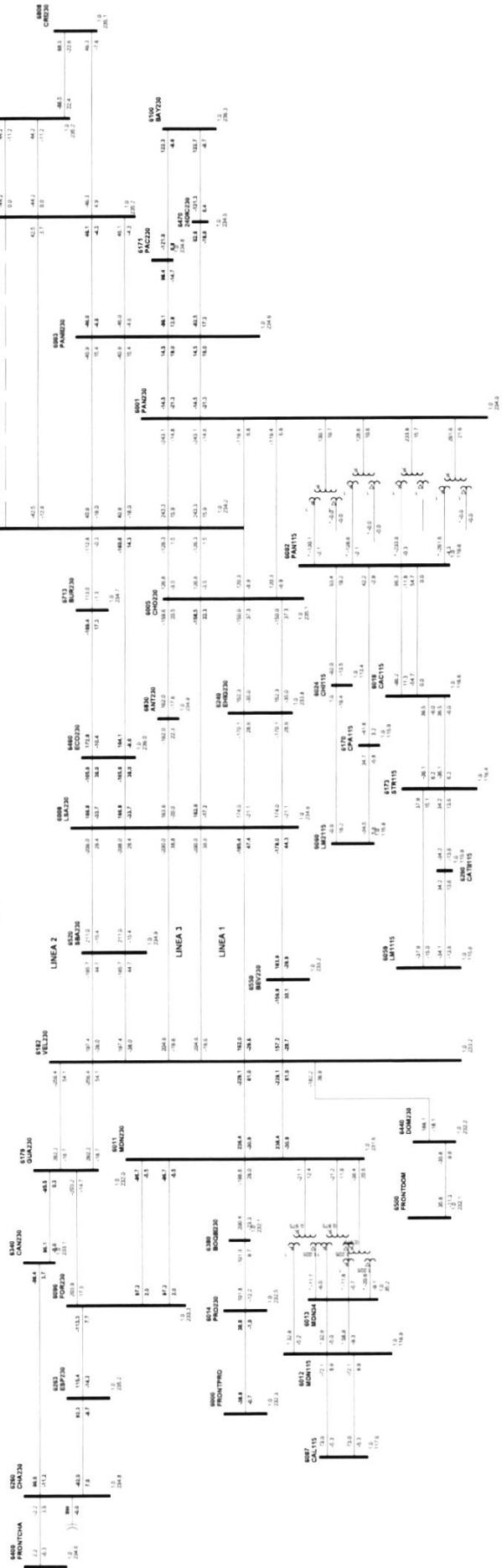
Handwritten mark or signature.





C74-6801-6840-1

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



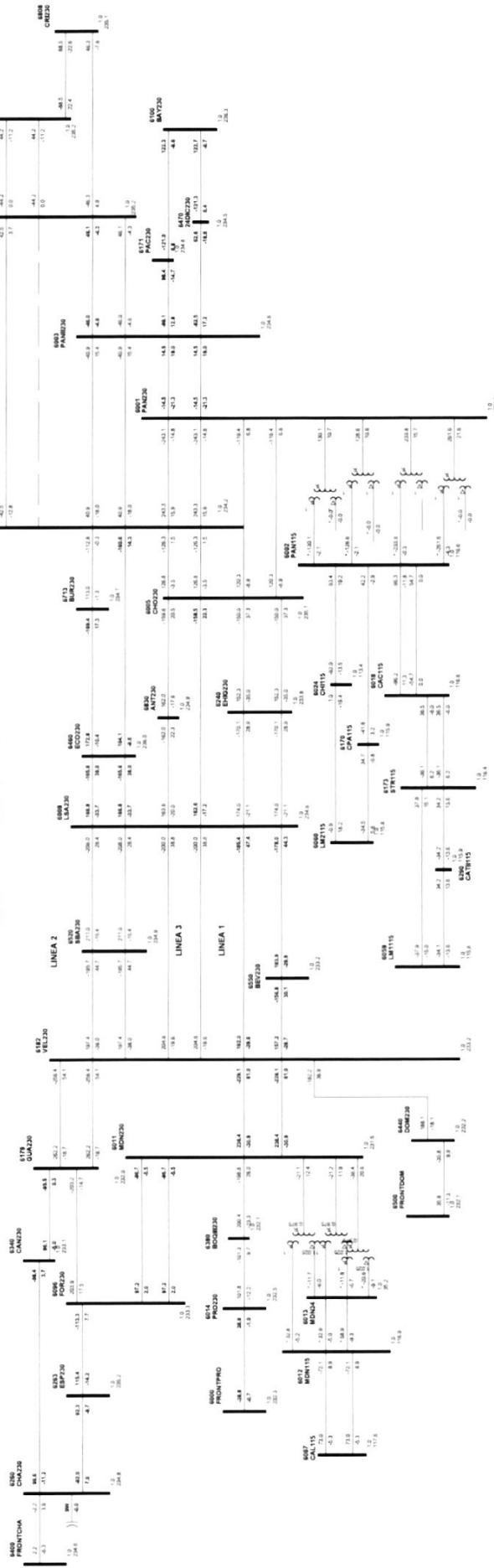
Handwritten mark or signature.





C75-6801-6840-2

**2024 LLUVIOSA**  
**SISTEMA PRINCIPAL DE TRANSMISION**





# DEMANDA MÍNIMA

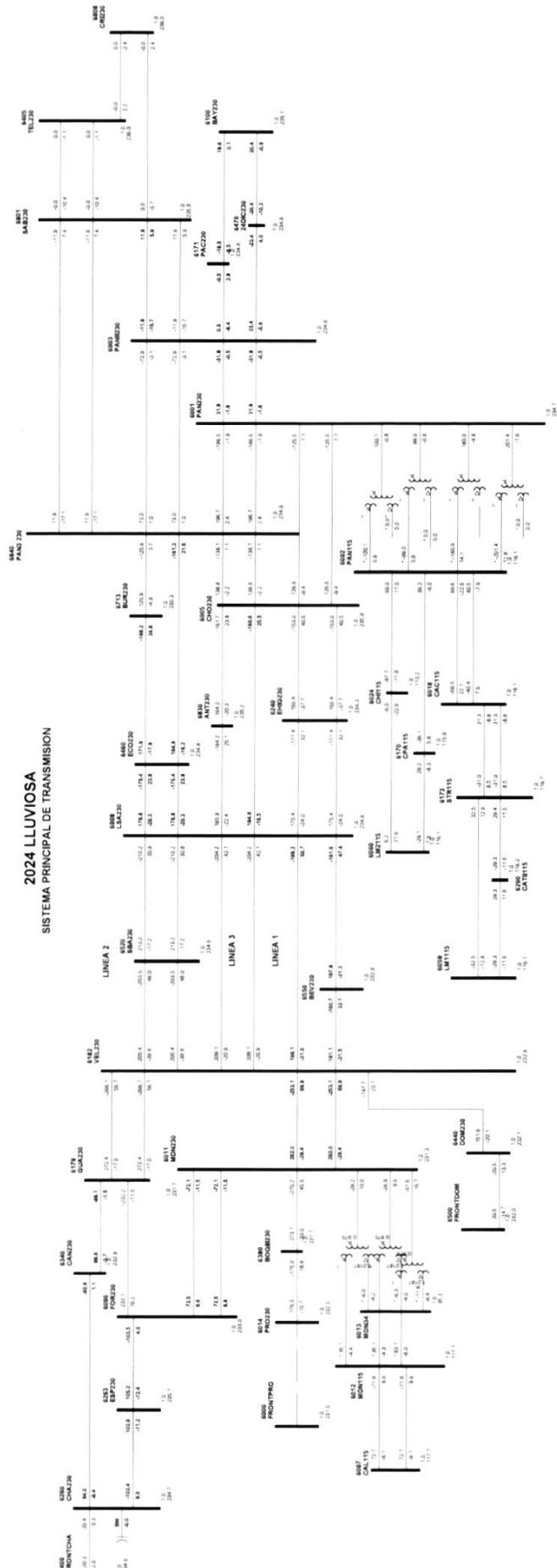
*B*





C1-6000-6014-10

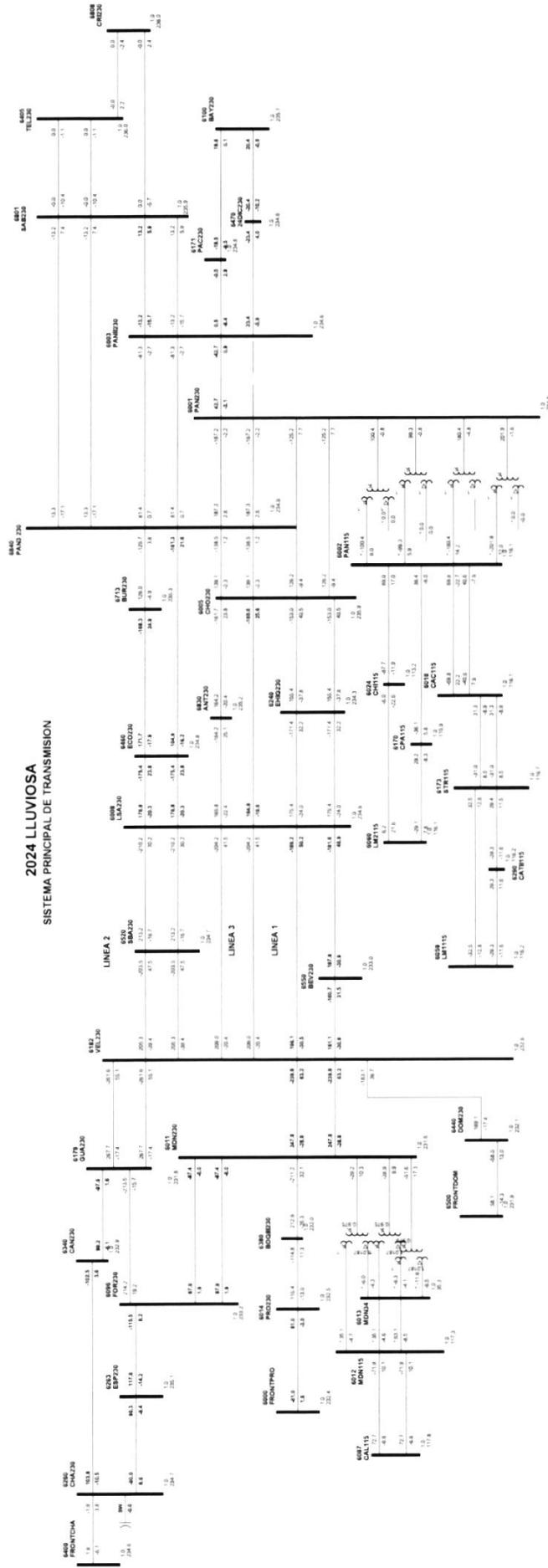
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C2-6001-6003-1C

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



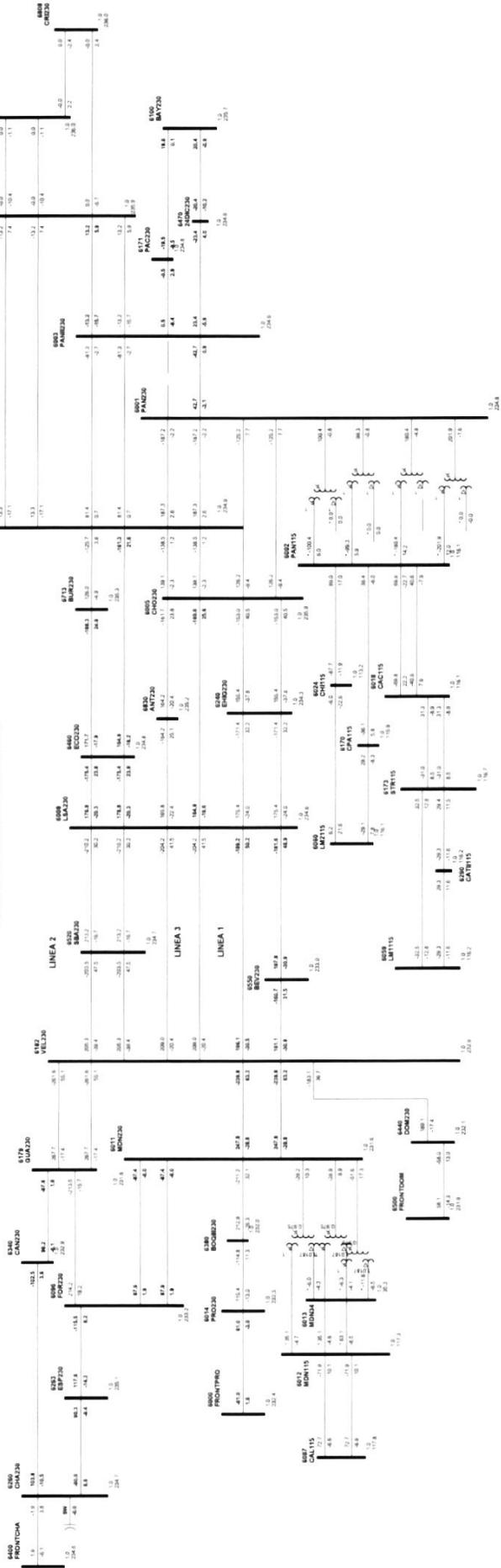
Handwritten mark or signature.





C3-6001-6003-2C

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



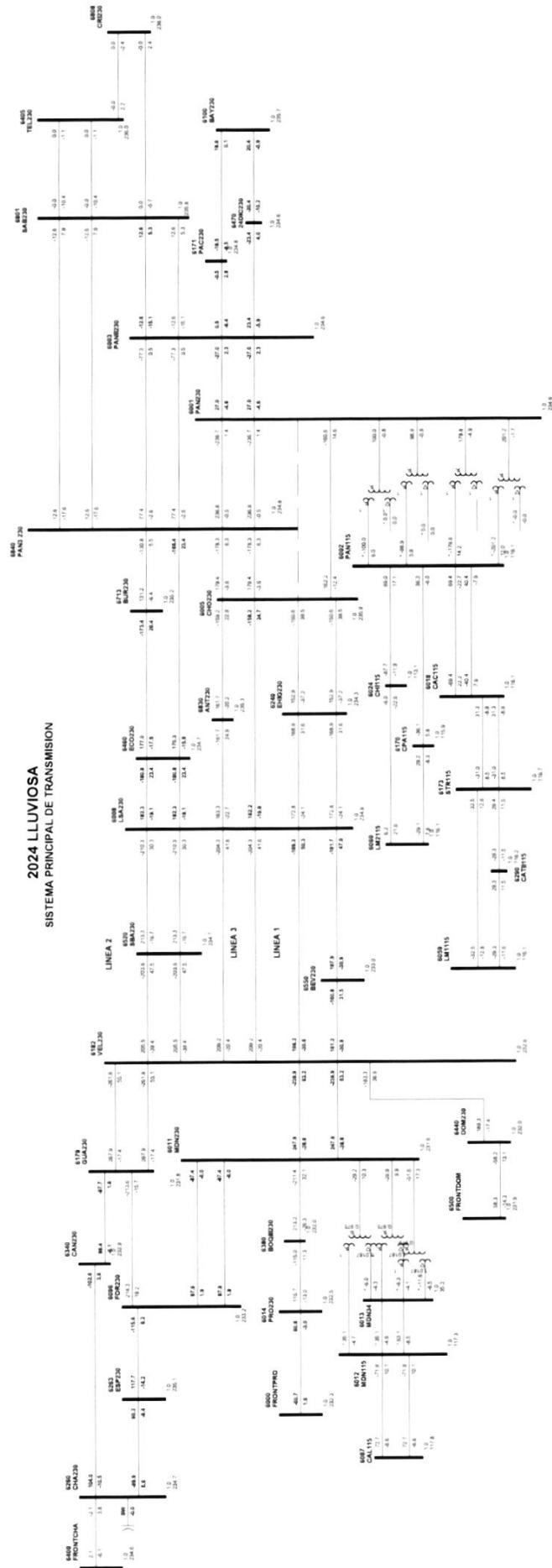
Handwritten mark or signature.





C4-6001-6005-3A

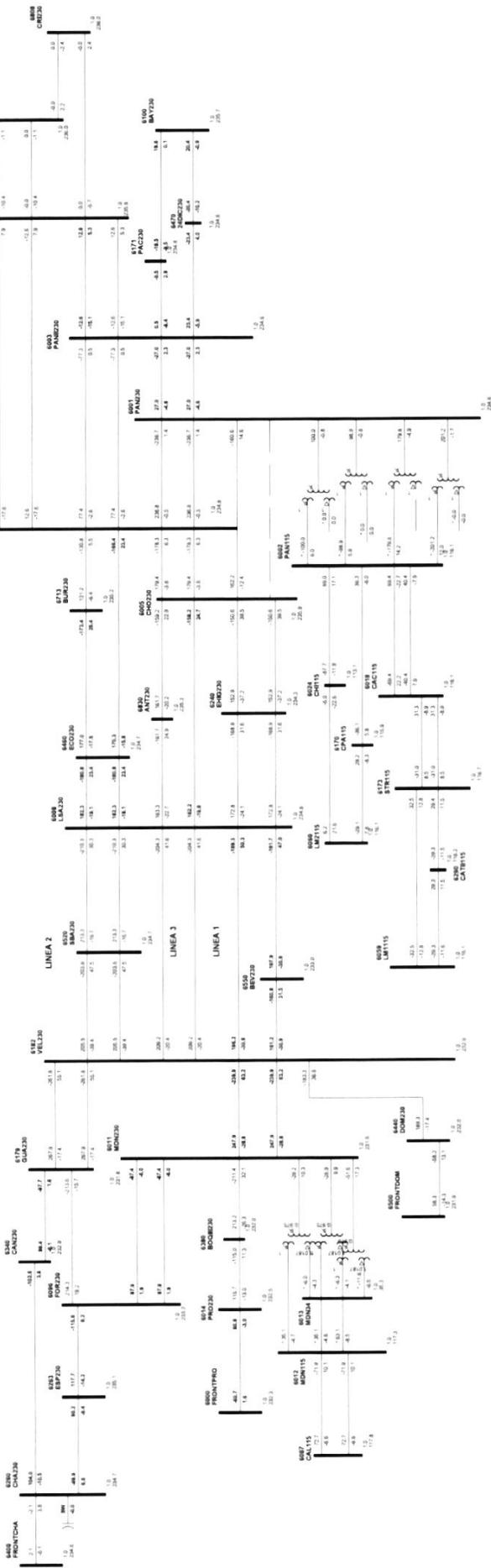
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C5-6001-6005-4A

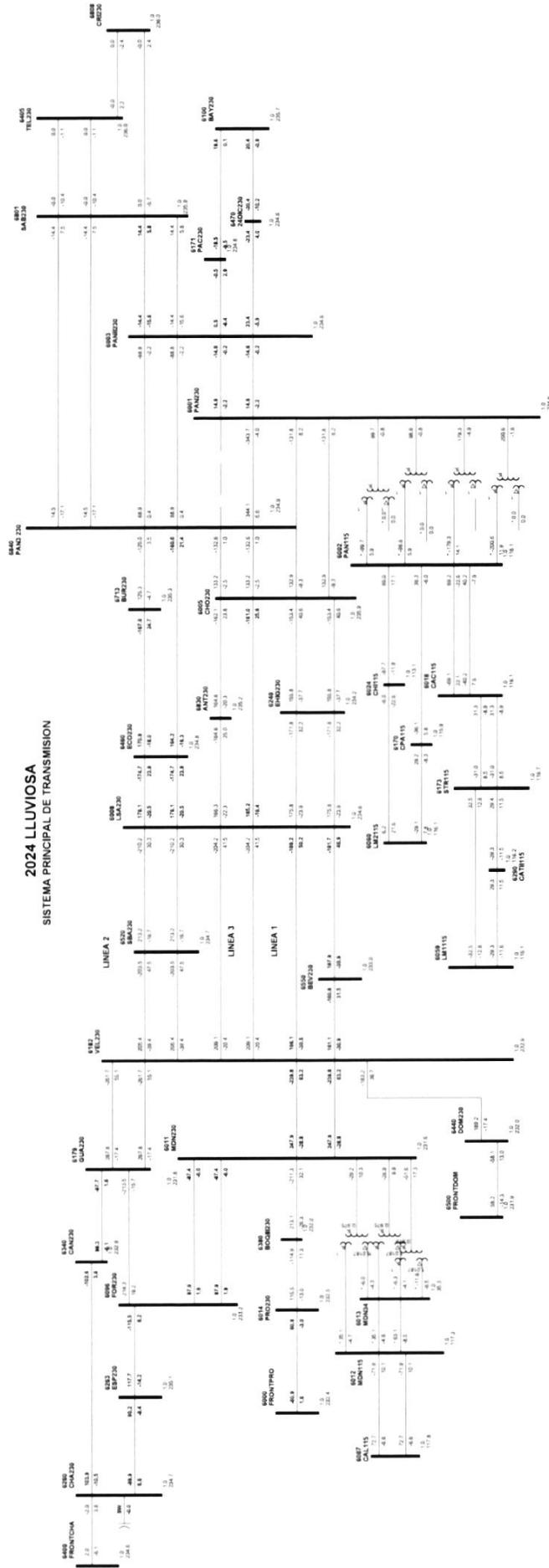
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C6-6001-6840-7A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



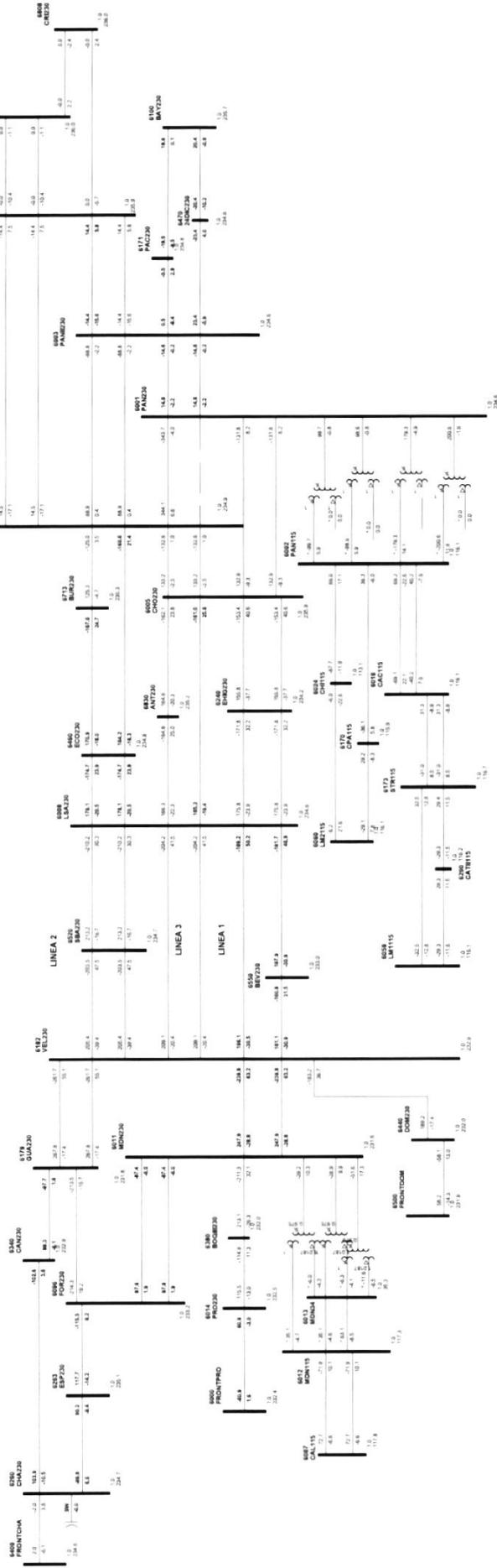
Handwritten mark or signature.





C7-6001-6840-8A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



AB





C8-6002-6018-12

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

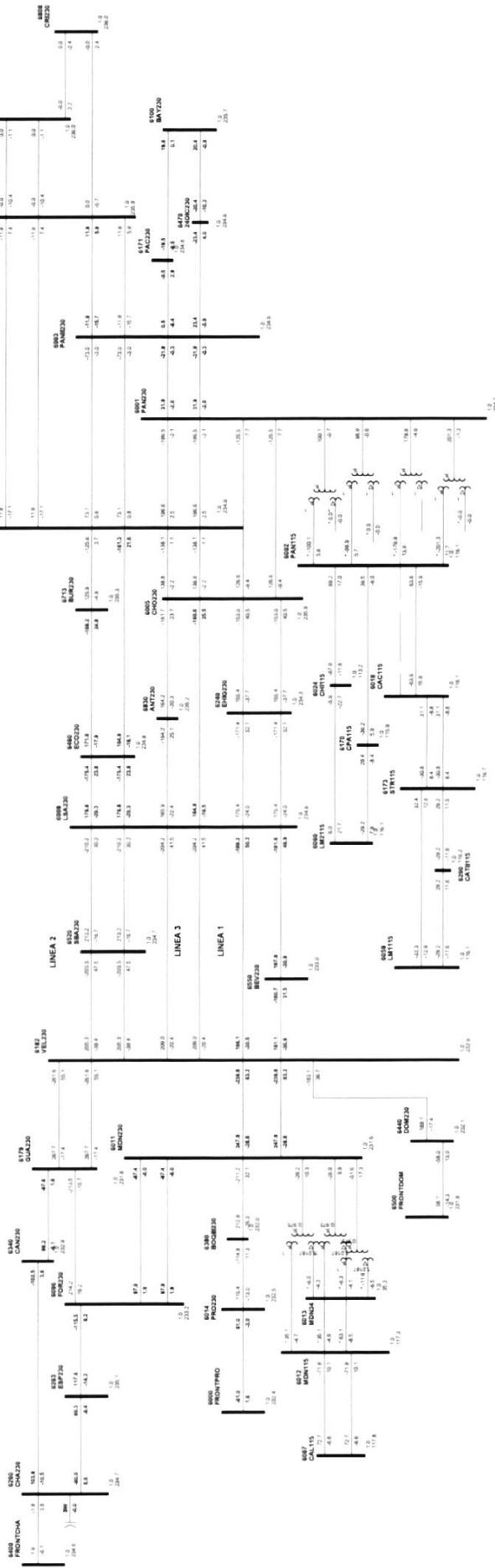
Subestación	Valor	Subestación	Valor	Subestación	Valor	Subestación	Valor	Subestación	Valor	Subestación	Valor	Subestación	Valor	Subestación	Valor	Subestación	Valor	Subestación	Valor		
6000 PUNTOPIRO	41.9	6000 CUCUTA	1.0	6000 LUISAJO	102.2	6000 TUNJA	102.2	6000 TUNJA	102.2												





C9-6002-6018-37

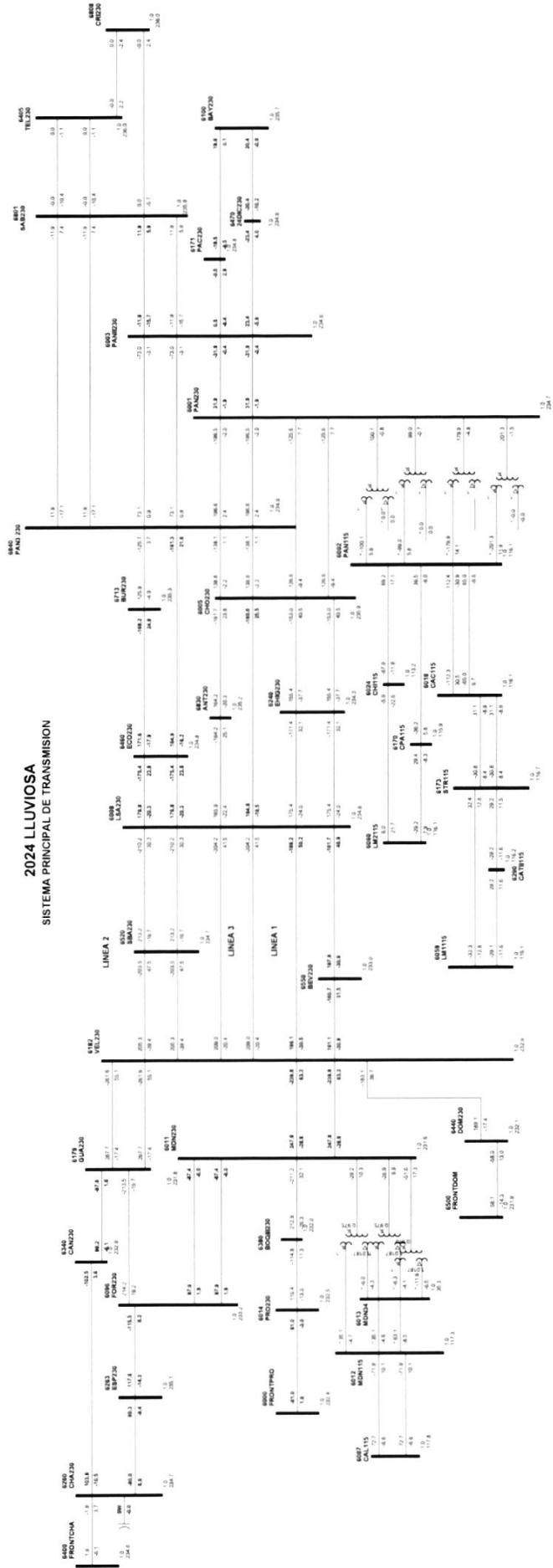
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C10-6002-6018-62

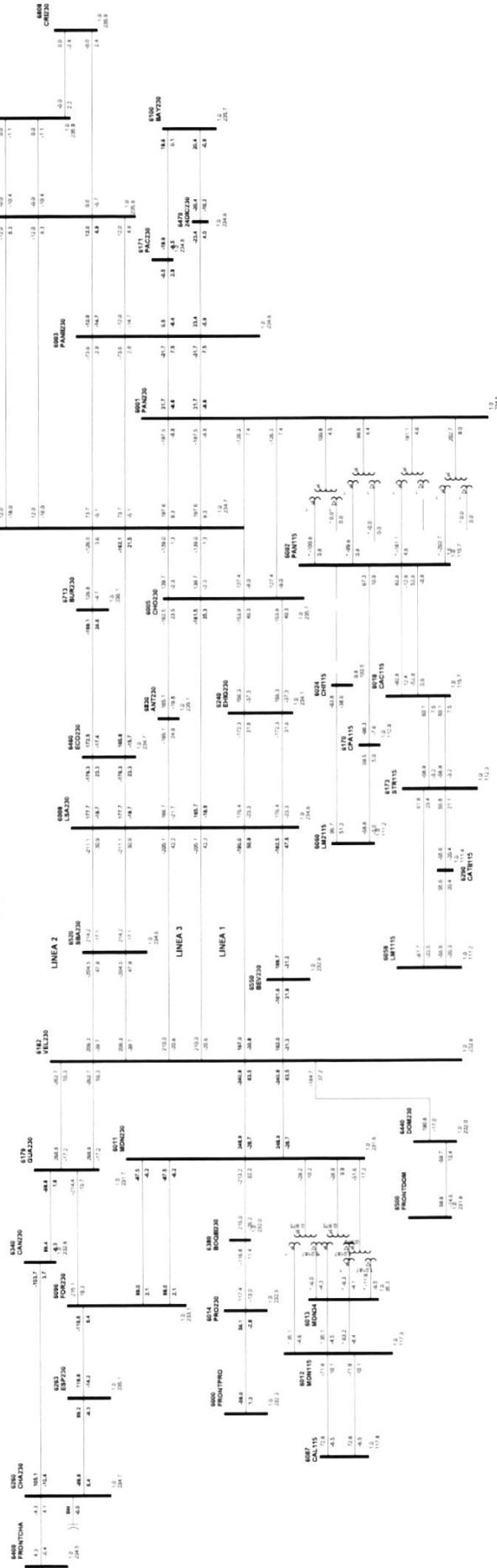
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C11-6002-6024-3A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



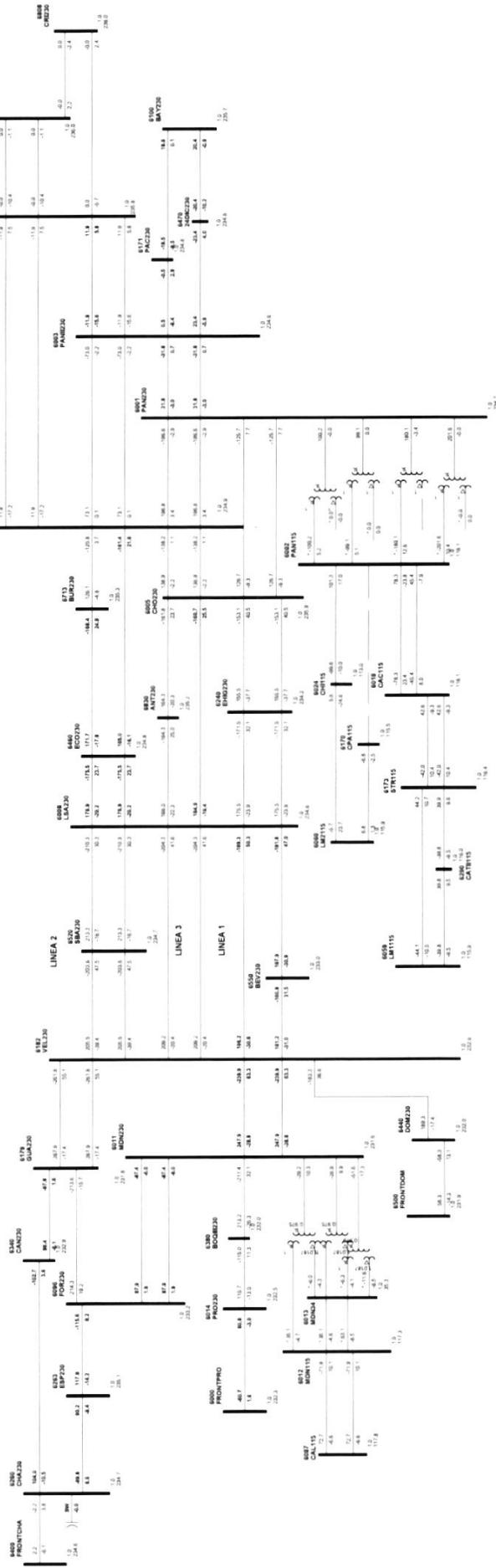
16





C12-6002-6170-4A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



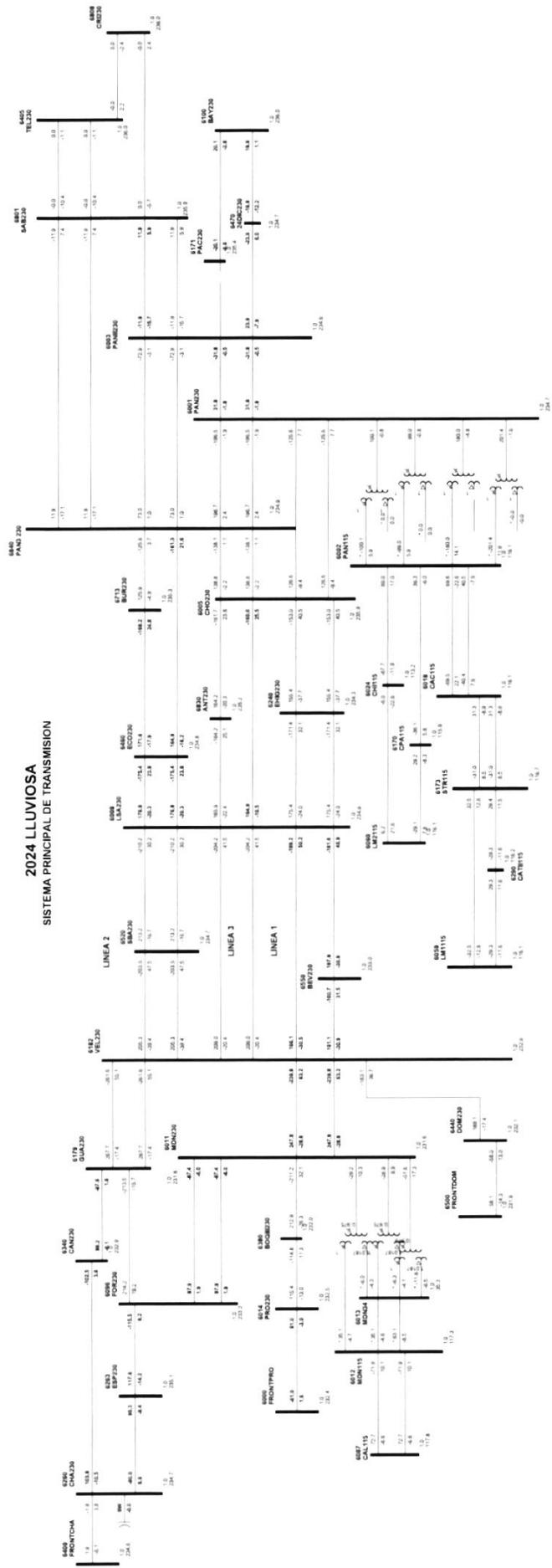
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C13-6003-6171-1B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



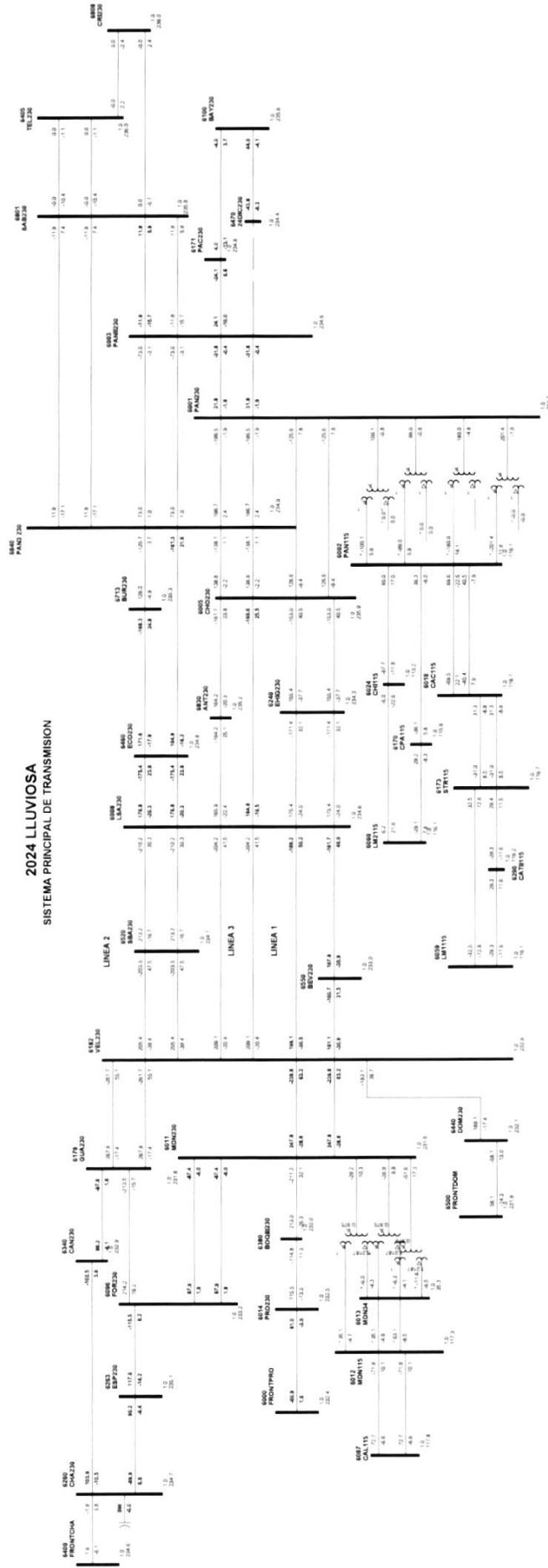
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C14-6003-6470-2B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



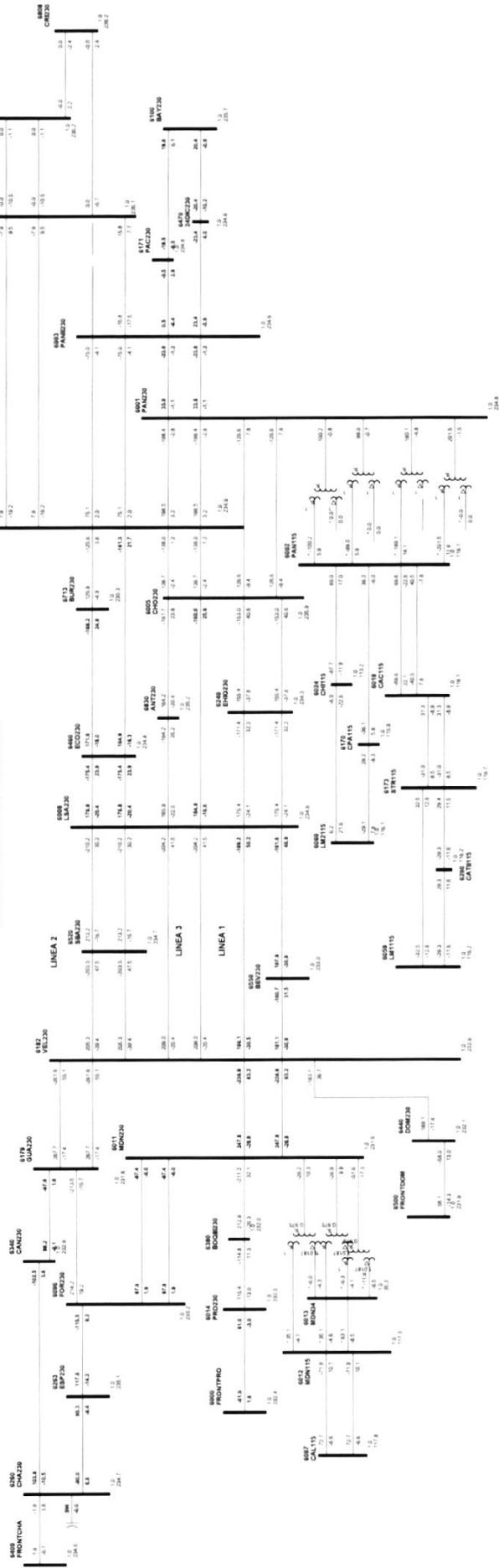
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C15-6003-6801-54

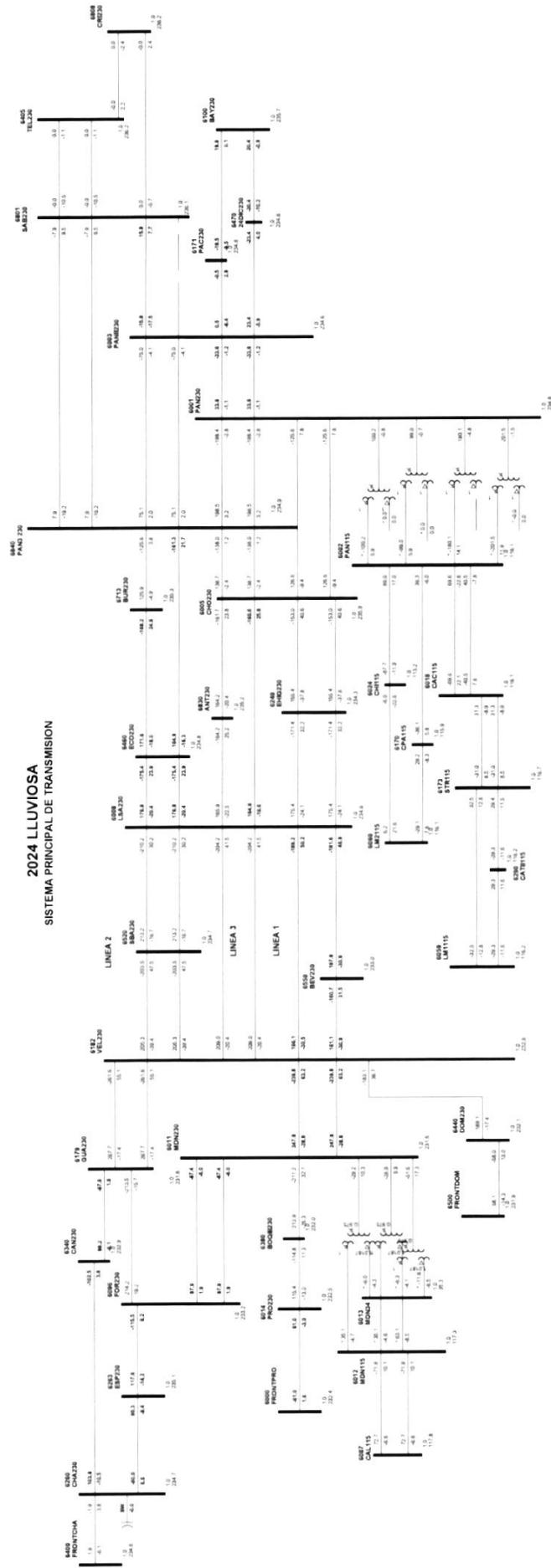
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C16-6003-6801-55

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



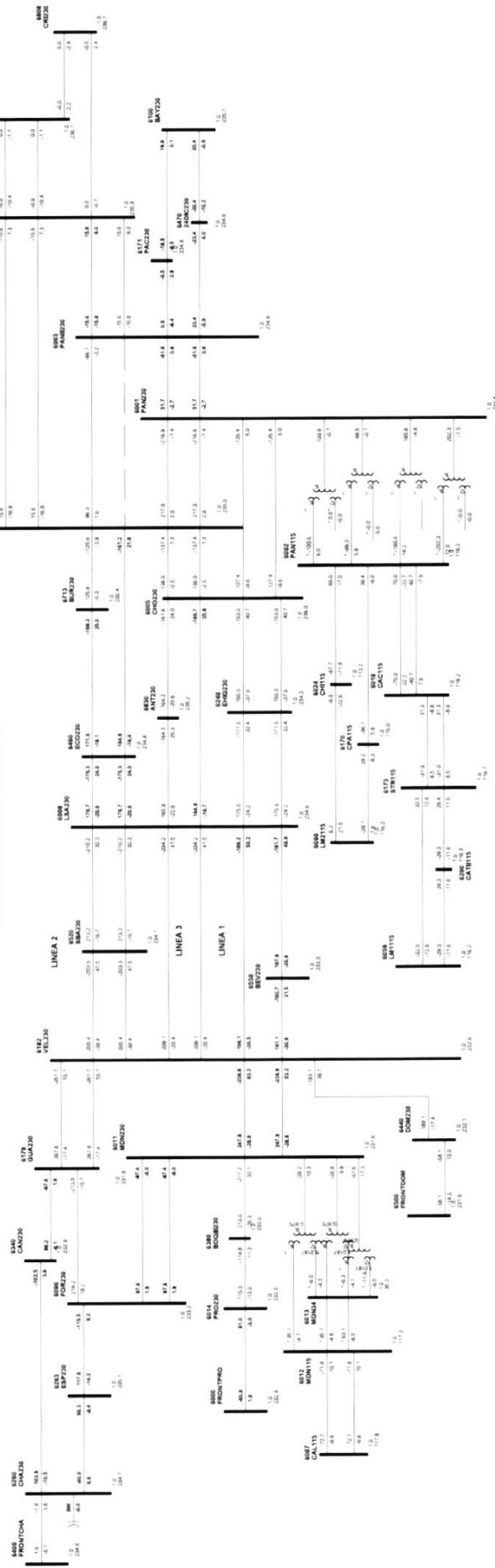
18





C17-6003-6840-2A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



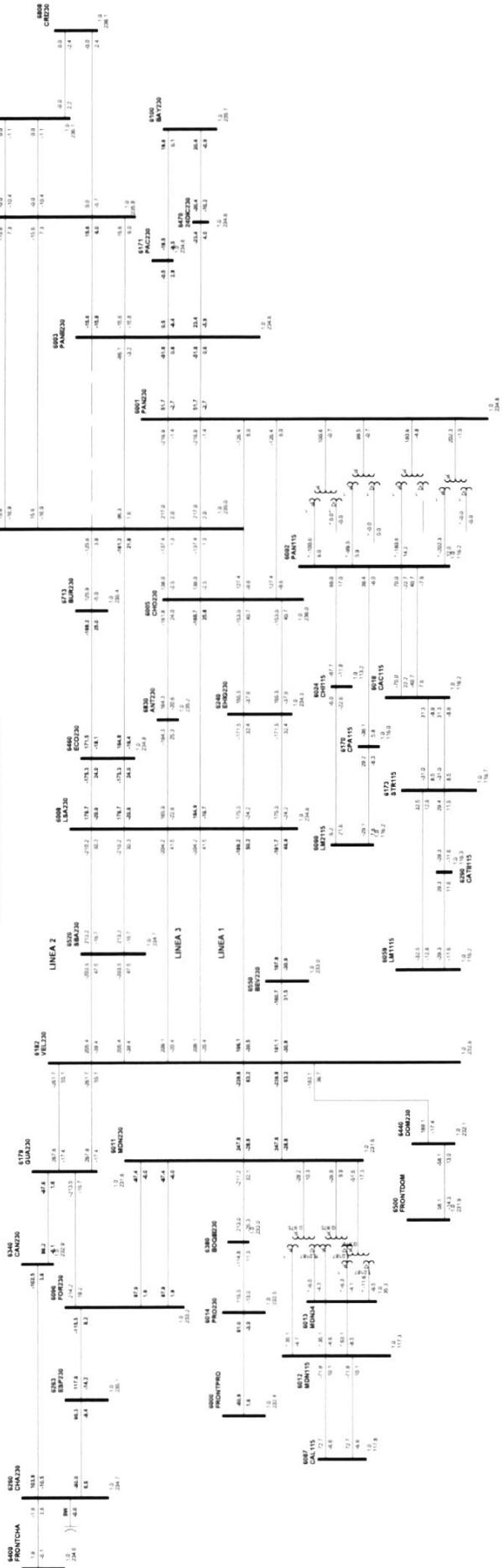
18





C18-6003-6840-3A

### 2024 LLLUVIOSA SISTEMA PRINCIPAL DE TRANSMISION



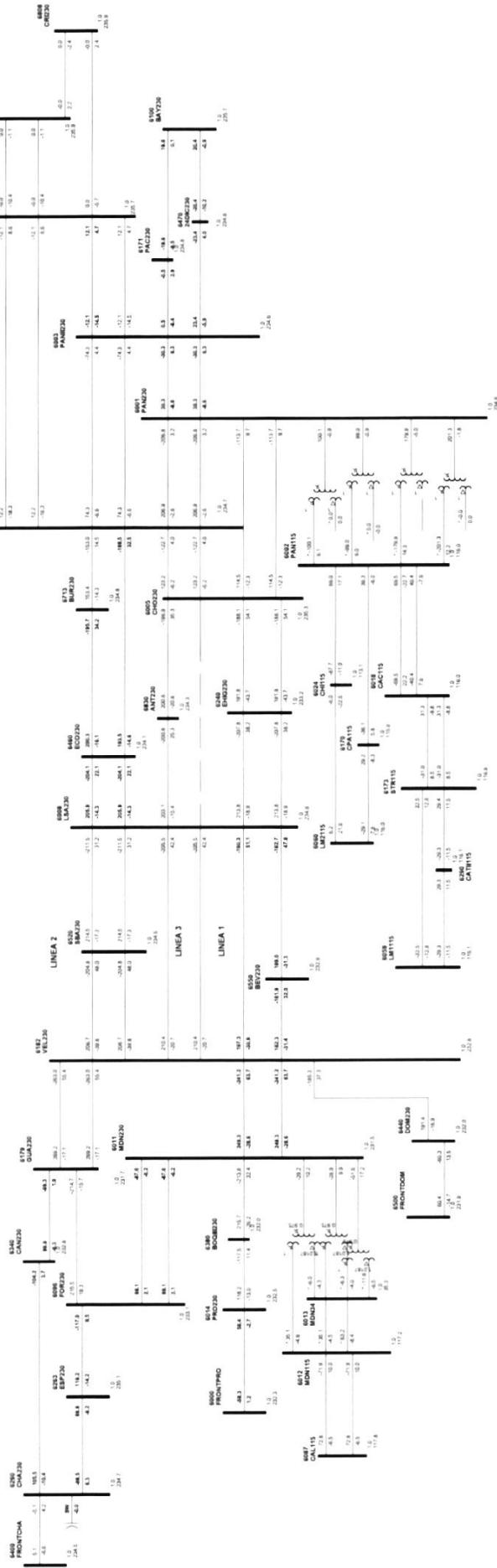
18





C19-6005-6008-50

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



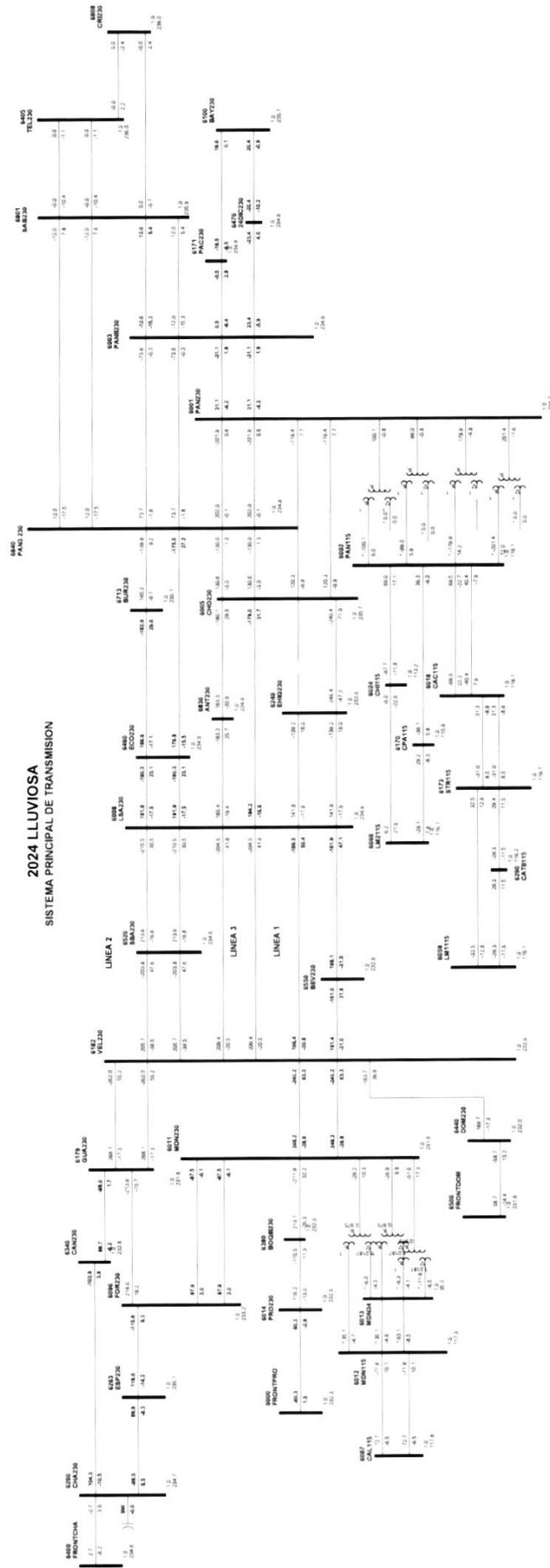
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C20-6005-6240-3B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



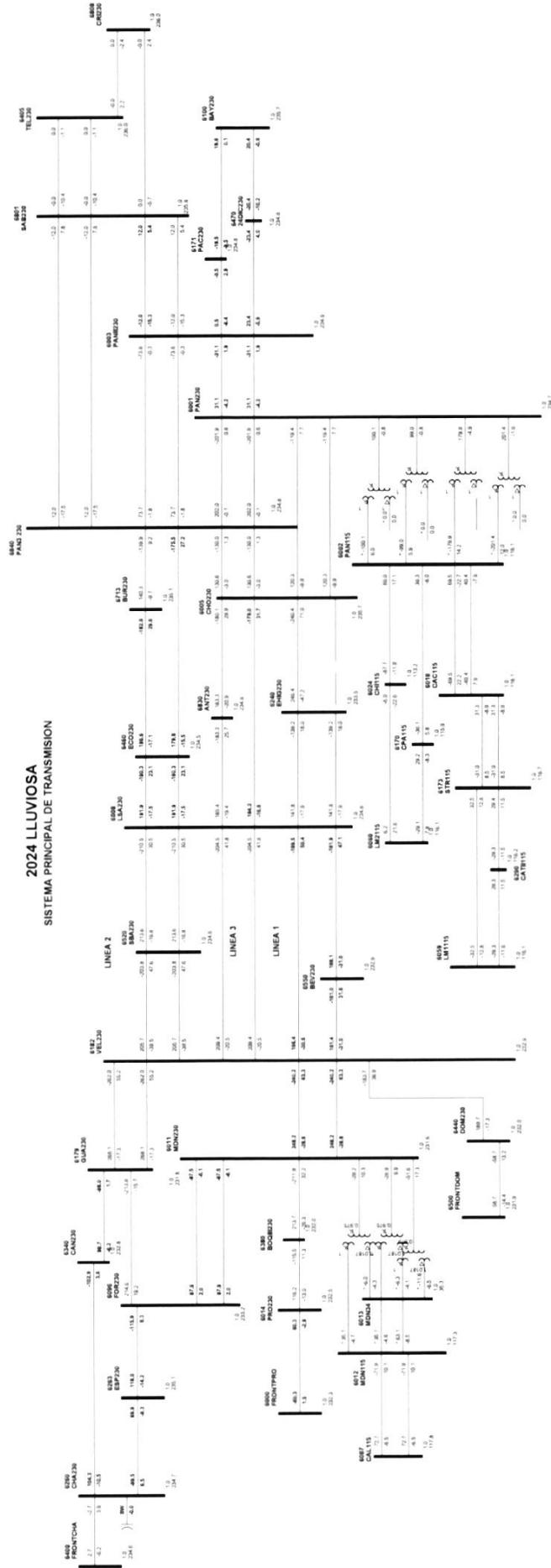
18





C21-6005-6240-4B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C22-6005-6830-9A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

Subestación	Linea 1	Linea 2	Linea 3	Linea 4	Linea 5	Linea 6	Linea 7	Linea 8	Linea 9	Linea 10	Linea 11	Linea 12	Linea 13	Linea 14	Linea 15	Linea 16	Linea 17	Linea 18	Linea 19	Linea 20	Linea 21	Linea 22	Linea 23	Linea 24	Linea 25	Linea 26	Linea 27	Linea 28	Linea 29	Linea 30	Linea 31	Linea 32	Linea 33	Linea 34	Linea 35	Linea 36	Linea 37	Linea 38	Linea 39	Linea 40	Linea 41	Linea 42	Linea 43	Linea 44	Linea 45	Linea 46	Linea 47	Linea 48	Linea 49	Linea 50	Linea 51	Linea 52	Linea 53	Linea 54	Linea 55	Linea 56	Linea 57	Linea 58	Linea 59	Linea 60	Linea 61	Linea 62	Linea 63	Linea 64	Linea 65	Linea 66	Linea 67	Linea 68	Linea 69	Linea 70	Linea 71	Linea 72	Linea 73	Linea 74	Linea 75	Linea 76	Linea 77	Linea 78	Linea 79	Linea 80	Linea 81	Linea 82	Linea 83	Linea 84	Linea 85	Linea 86	Linea 87	Linea 88	Linea 89	Linea 90	Linea 91	Linea 92	Linea 93	Linea 94	Linea 95	Linea 96	Linea 97	Linea 98	Linea 99	Linea 100																																																																																																				
6800	6801	6802	6803	6804	6805	6806	6807	6808	6809	6810	6811	6812	6813	6814	6815	6816	6817	6818	6819	6820	6821	6822	6823	6824	6825	6826	6827	6828	6829	6830	6831	6832	6833	6834	6835	6836	6837	6838	6839	6840	6841	6842	6843	6844	6845	6846	6847	6848	6849	6850	6851	6852	6853	6854	6855	6856	6857	6858	6859	6860	6861	6862	6863	6864	6865	6866	6867	6868	6869	6870	6871	6872	6873	6874	6875	6876	6877	6878	6879	6880	6881	6882	6883	6884	6885	6886	6887	6888	6889	6890	6891	6892	6893	6894	6895	6896	6897	6898	6899	6900	6901	6902	6903	6904	6905	6906	6907	6908	6909	6910	6911	6912	6913	6914	6915	6916	6917	6918	6919	6920	6921	6922	6923	6924	6925	6926	6927	6928	6929	6930	6931	6932	6933	6934	6935	6936	6937	6938	6939	6940	6941	6942	6943	6944	6945	6946	6947	6948	6949	6950	6951	6952	6953	6954	6955	6956	6957	6958	6959	6960	6961	6962	6963	6964	6965	6966	6967	6968	6969	6970	6971	6972	6973	6974	6975	6976	6977	6978	6979	6980	6981	6982	6983	6984	6985	6986	6987	6988	6989	6990	6991	6992	6993	6994	6995	6996	6997	6998	6999	7000

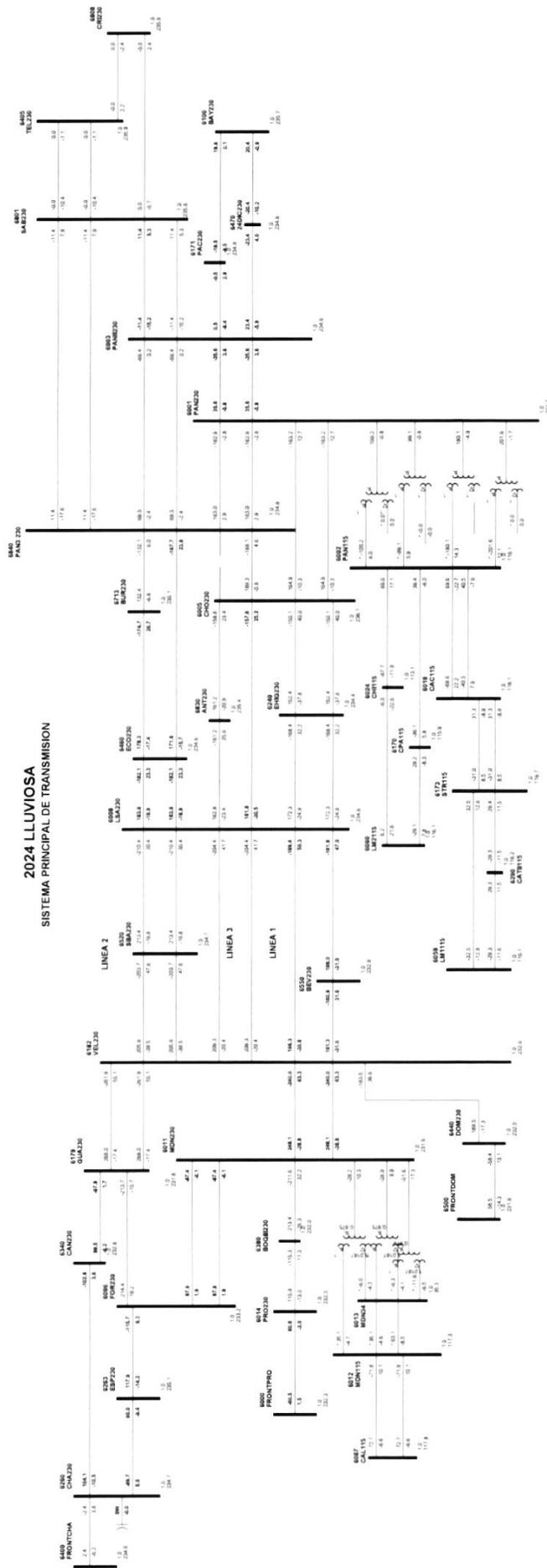
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C23-6005-6840-7B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

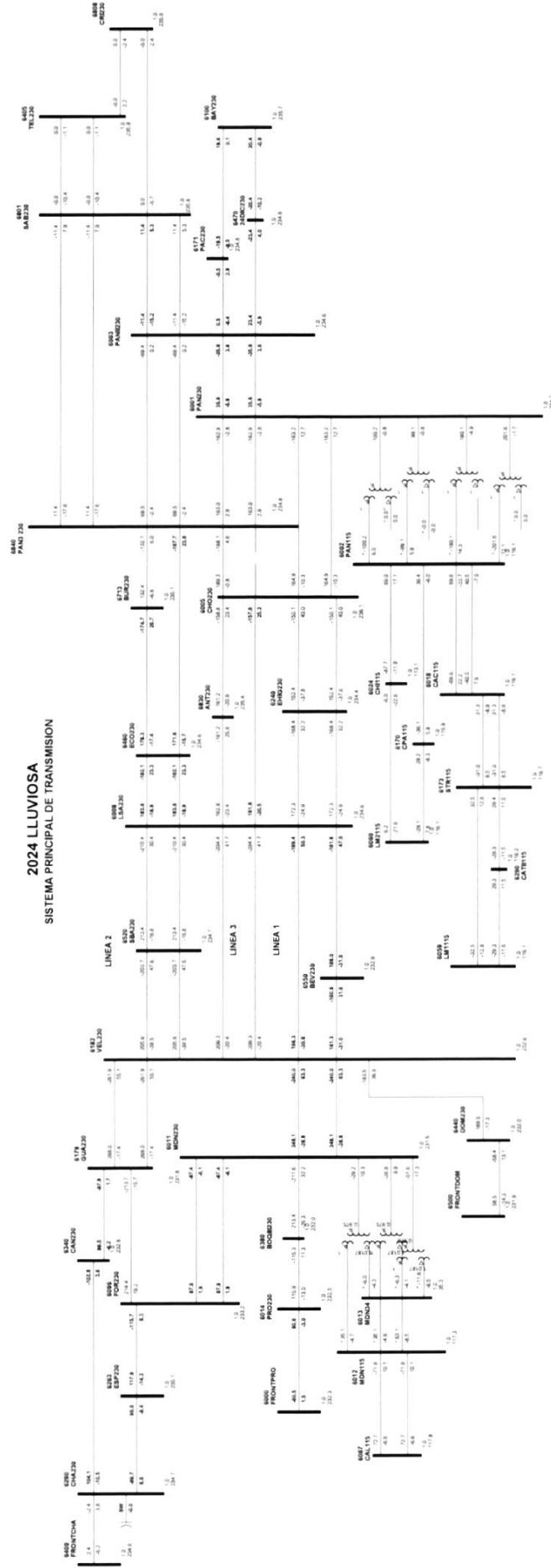


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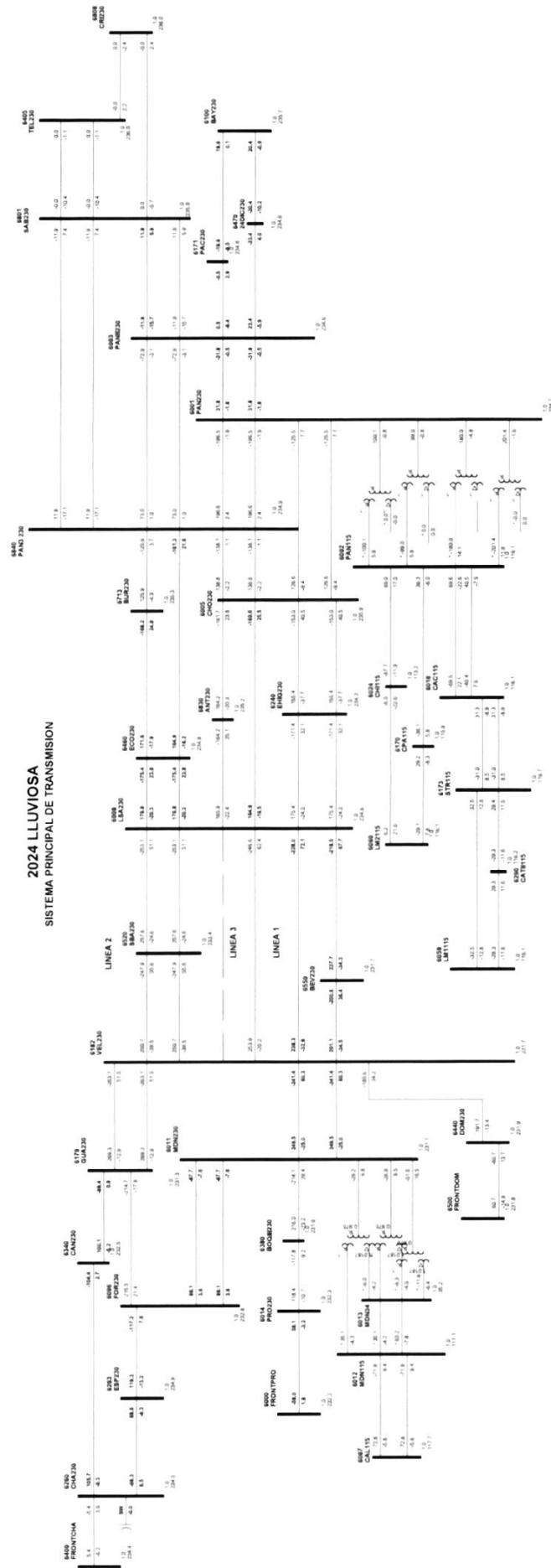
C24-6005-6840-8B





C25-6008-6182-51

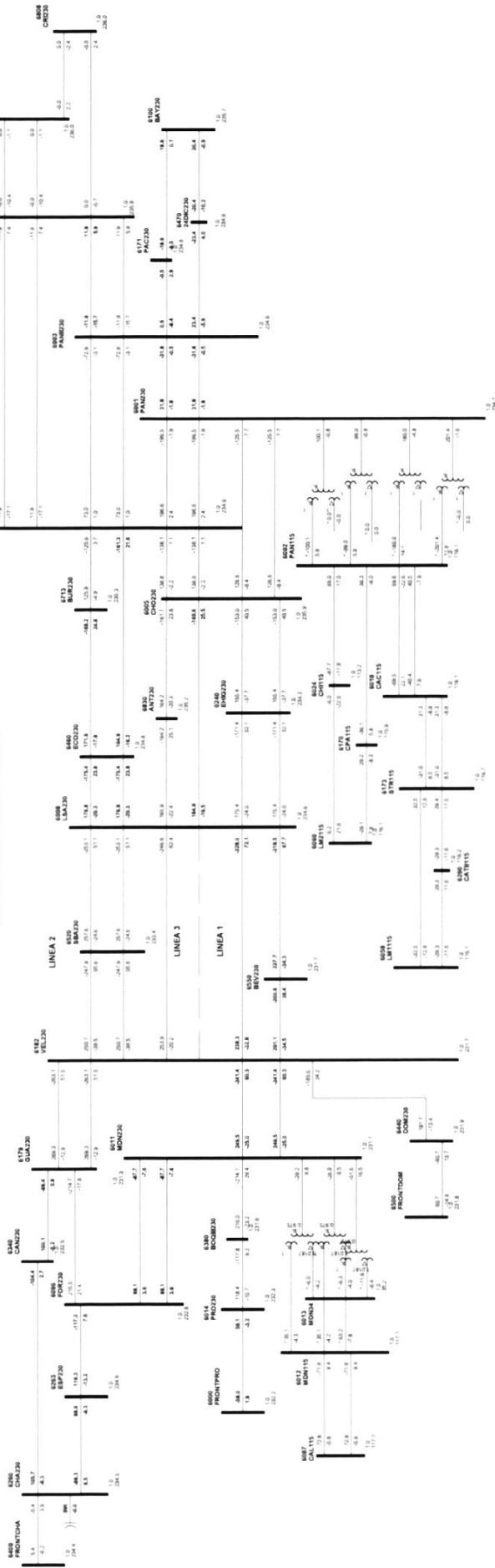
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C26-6008-6182-52

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



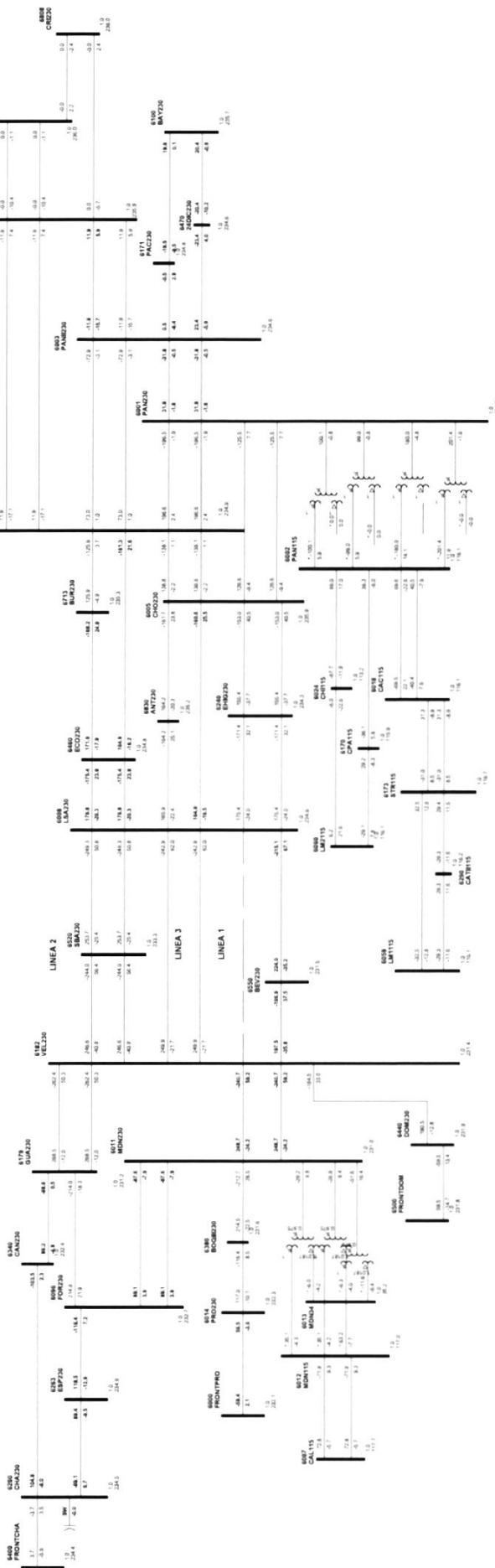
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C27-6008-6182-5A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



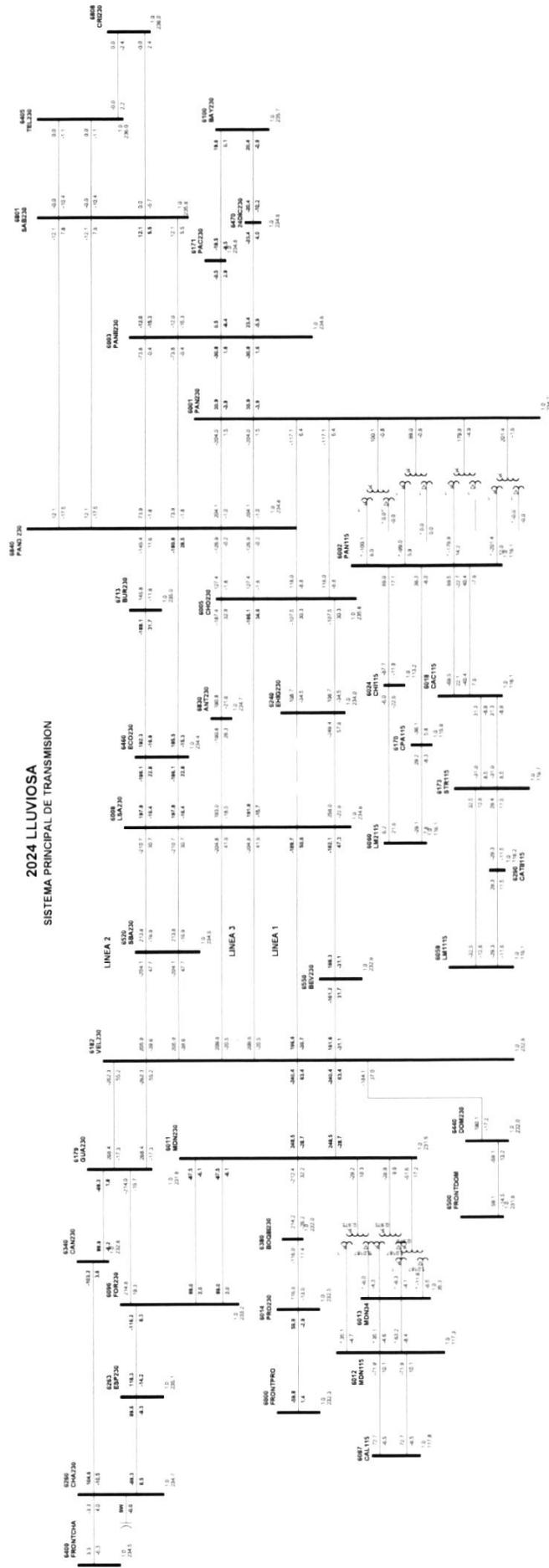
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C28-6008-6240-3C

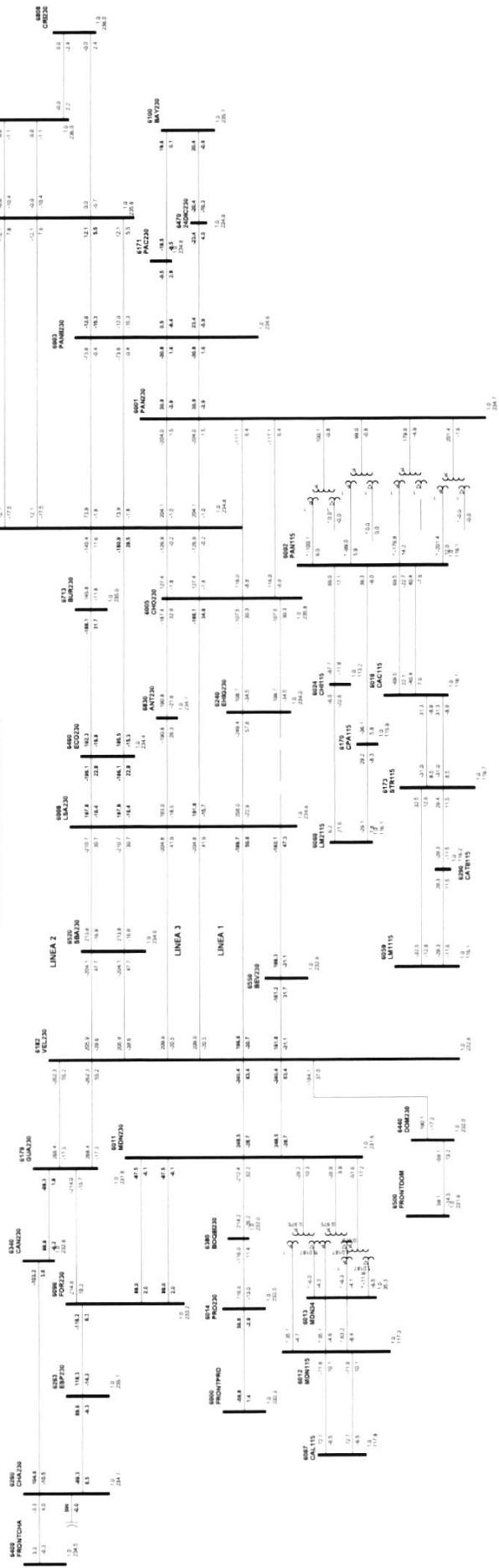
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C29-6008-6240-4C

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

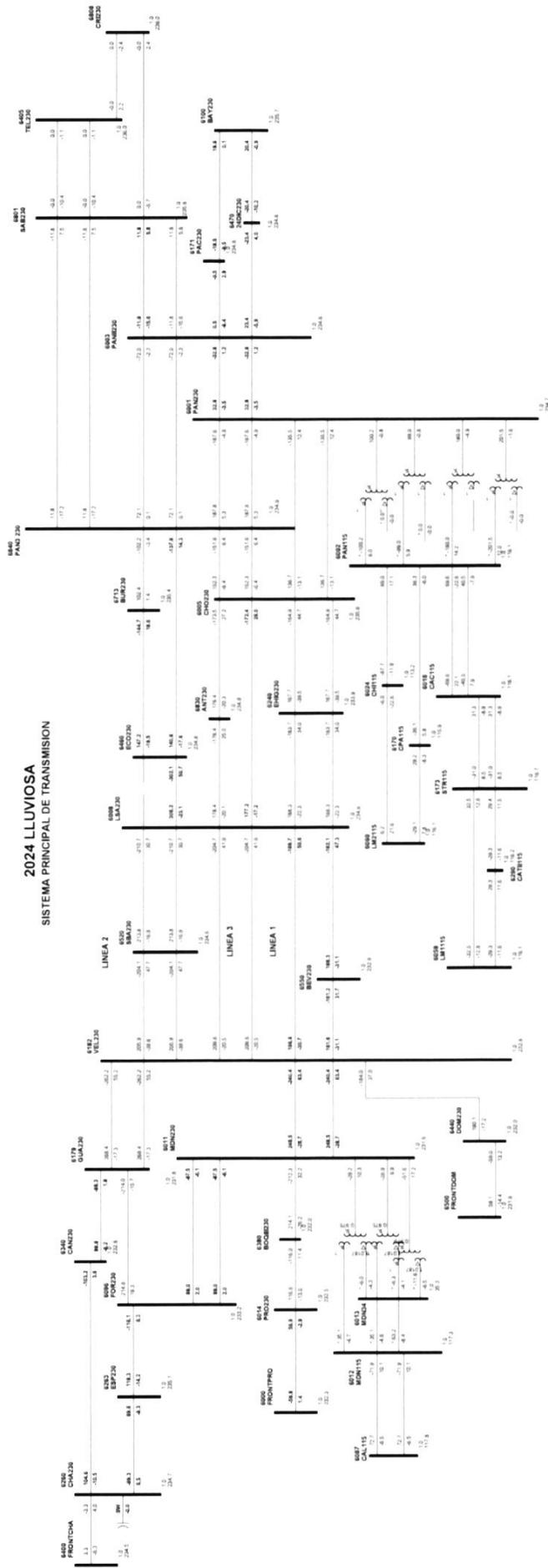


A





C30-6008-6460-2C



*R*







C32-6008-6520-4A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

Subestación	Linea 1	Linea 2	Linea 3	Linea 4	Linea 5	Linea 6	Linea 7	Linea 8	Linea 9	Linea 10	Linea 11	Linea 12	Linea 13	Linea 14	Linea 15	Linea 16	Linea 17	Linea 18	Linea 19	Linea 20	Linea 21	Linea 22	Linea 23	Linea 24	Linea 25	Linea 26	Linea 27	Linea 28	Linea 29	Linea 30	Linea 31	Linea 32	Linea 33	Linea 34	Linea 35	Linea 36	Linea 37	Linea 38	Linea 39	Linea 40	Linea 41	Linea 42	Linea 43	Linea 44	Linea 45	Linea 46	Linea 47	Linea 48	Linea 49	Linea 50	Linea 51	Linea 52	Linea 53	Linea 54	Linea 55	Linea 56	Linea 57	Linea 58	Linea 59	Linea 60	Linea 61	Linea 62	Linea 63	Linea 64	Linea 65	Linea 66	Linea 67	Linea 68	Linea 69	Linea 70	Linea 71	Linea 72	Linea 73	Linea 74	Linea 75	Linea 76	Linea 77	Linea 78	Linea 79	Linea 80	Linea 81	Linea 82	Linea 83	Linea 84	Linea 85	Linea 86	Linea 87	Linea 88	Linea 89	Linea 90	Linea 91	Linea 92	Linea 93	Linea 94	Linea 95	Linea 96	Linea 97	Linea 98	Linea 99	Linea 100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
6400 FRONTONZA	6401	6402	6403	6404	6405	6406	6407	6408	6409	6410	6411	6412	6413	6414	6415	6416	6417	6418	6419	6420	6421	6422	6423	6424	6425	6426	6427	6428	6429	6430	6431	6432	6433	6434	6435	6436	6437	6438	6439	6440	6441	6442	6443	6444	6445	6446	6447	6448	6449	6450	6451	6452	6453	6454	6455	6456	6457	6458	6459	6460	6461	6462	6463	6464	6465	6466	6467	6468	6469	6470	6471	6472	6473	6474	6475	6476	6477	6478	6479	6480	6481	6482	6483	6484	6485	6486	6487	6488	6489	6490	6491	6492	6493	6494	6495	6496	6497	6498	6499	6500	6501	6502	6503	6504	6505	6506	6507	6508	6509	6510	6511	6512	6513	6514	6515	6516	6517	6518	6519	6520	6521	6522	6523	6524	6525	6526	6527	6528	6529	6530	6531	6532	6533	6534	6535	6536	6537	6538	6539	6540	6541	6542	6543	6544	6545	6546	6547	6548	6549	6550	6551	6552	6553	6554	6555	6556	6557	6558	6559	6560	6561	6562	6563	6564	6565	6566	6567	6568	6569	6570	6571	6572	6573	6574	6575	6576	6577	6578	6579	6580	6581	6582	6583	6584	6585	6586	6587	6588	6589	6590	6591	6592	6593	6594	6595	6596	6597	6598	6599	6600	6601	6602	6603	6604	6605	6606	6607	6608	6609	6610	6611	6612	6613	6614	6615	6616	6617	6618	6619	6620	6621	6622	6623	6624	6625	6626	6627	6628	6629	6630	6631	6632	6633	6634	6635	6636	6637	6638	6639	6640	6641	6642	6643	6644	6645	6646	6647	6648	6649	6650	6651	6652	6653	6654	6655	6656	6657	6658	6659	6660	6661	6662	6663	6664	6665	6666	6667	6668	6669	6670	6671	6672	6673	6674	6675	6676	6677	6678	6679	6680	6681	6682	6683	6684	6685	6686	6687	6688	6689	6690	6691	6692	6693	6694	6695	6696	6697	6698	6699	6700	6701	6702	6703	6704	6705	6706	6707	6708	6709	6710	6711	6712	6713	6714	6715	6716	6717	6718	6719	6720	6721	6722	6723	6724	6725	6726	6727	6728	6729	6730	6731	6732	6733	6734	6735	6736	6737	6738	6739	6740	6741	6742	6743	6744	6745	6746	6747	6748	6749	6750	6751	6752	6753	6754	6755	6756	6757	6758	6759	6760	6761	6762	6763	6764	6765	6766	6767	6768	6769	6770	6771	6772	6773	6774	6775	6776	6777	6778	6779	6780	6781	6782	6783	6784	6785	6786	6787	6788	6789	6790	6791	6792	6793	6794	6795	6796	6797	6798	6799	6800	6801	6802	6803	6804	6805	6806	6807	6808	6809	6810	6811	6812	6813	6814	6815	6816	6817	6818	6819	6820	6821	6822	6823	6824	6825	6826	6827	6828	6829	6830	6831	6832	6833	6834	6835	6836	6837	6838	6839	6840	6841	6842	6843	6844	6845	6846	6847	6848	6849	6850	6851	6852	6853	6854	6855	6856	6857	6858	6859	6860	6861	6862	6863	6864	6865	6866	6867	6868	6869	6870	6871	6872	6873	6874	6875	6876	6877	6878	6879	6880	6881	6882	6883	6884	6885	6886	6887	6888	6889	6890	6891	6892	6893	6894	6895	6896	6897	6898	6899	6900	6901	6902	6903	6904	6905	6906	6907	6908	6909	6910	6911	6912	6913	6914	6915	6916	6917	6918	6919	6920	6921	6922	6923	6924	6925	6926	6927	6928	6929	6930	6931	6932	6933	6934	6935	6936	6937	6938	6939	6940	6941	6942	6943	6944	6945	6946	6947	6948	6949	6950	6951	6952	6953	6954	6955	6956	6957	6958	6959	6960	6961	6962	6963	6964	6965	6966	6967	6968	6969	6970	6971	6972	6973	6974	6975	6976	6977	6978	6979	6980	6981	6982	6983	6984	6985	6986	6987	6988	6989	6990	6991	6992	6993	6994	6995	6996	6997	6998	6999	7000

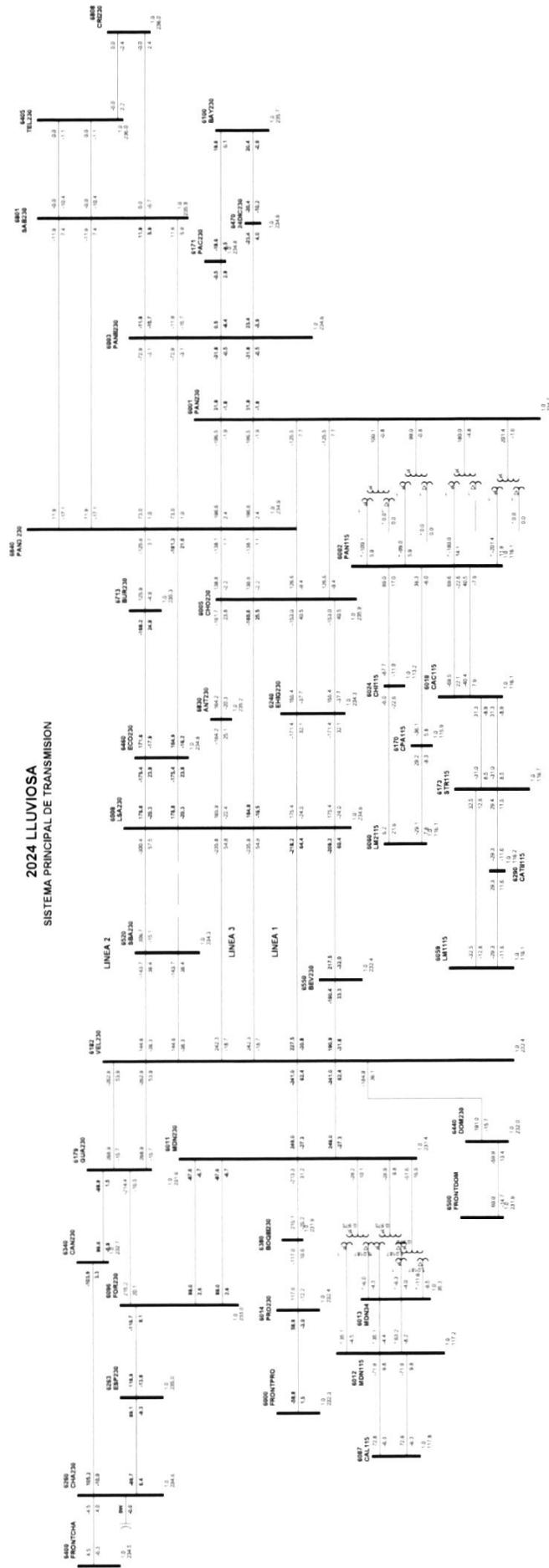
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C33-6008-6520-5A

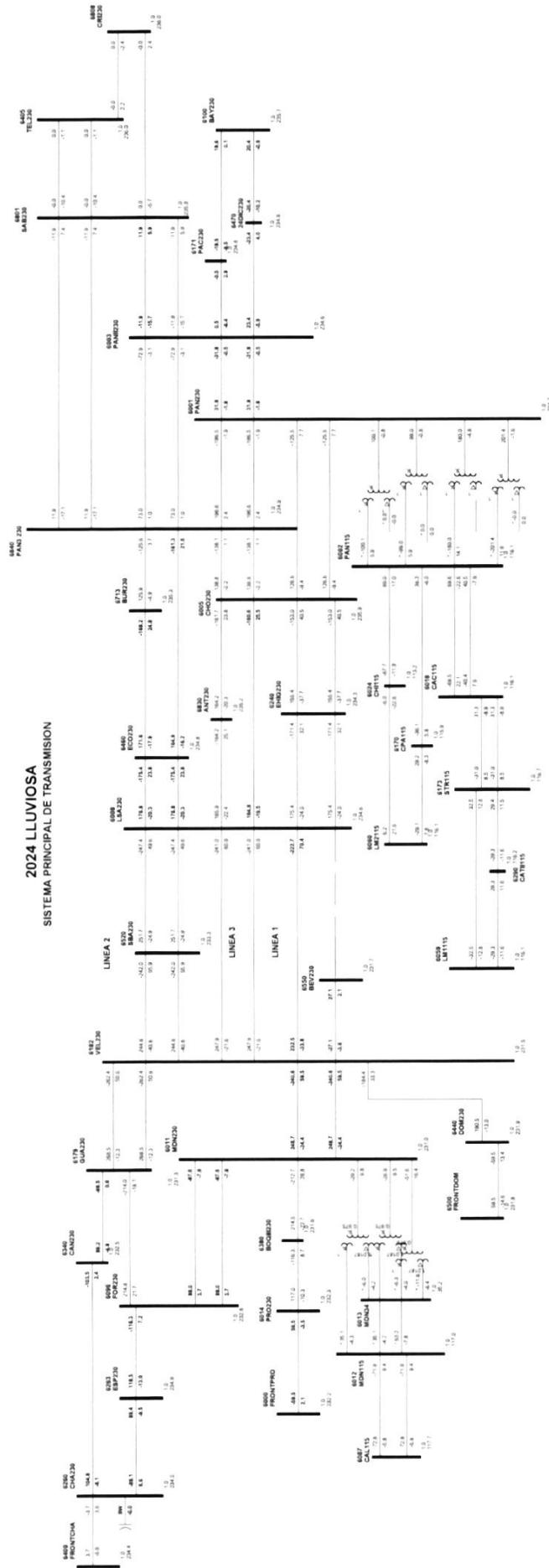
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C34-6008-6550-6A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



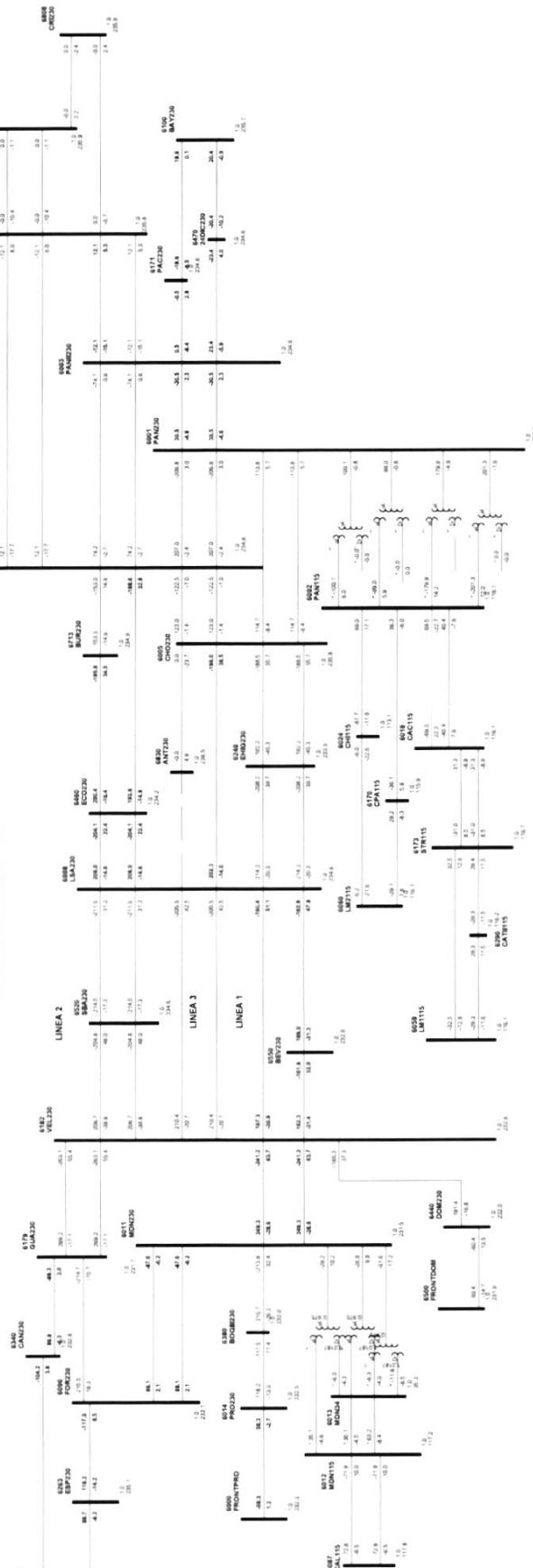
18





C35-6008-6830-9B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



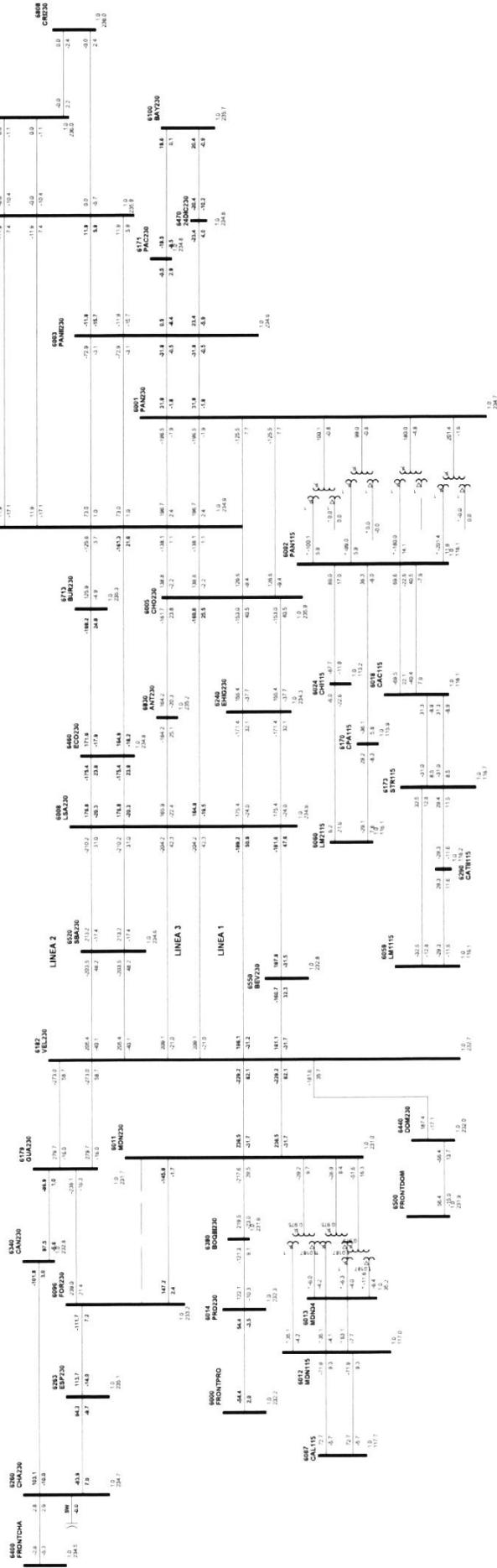
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C36-6011-6096-7

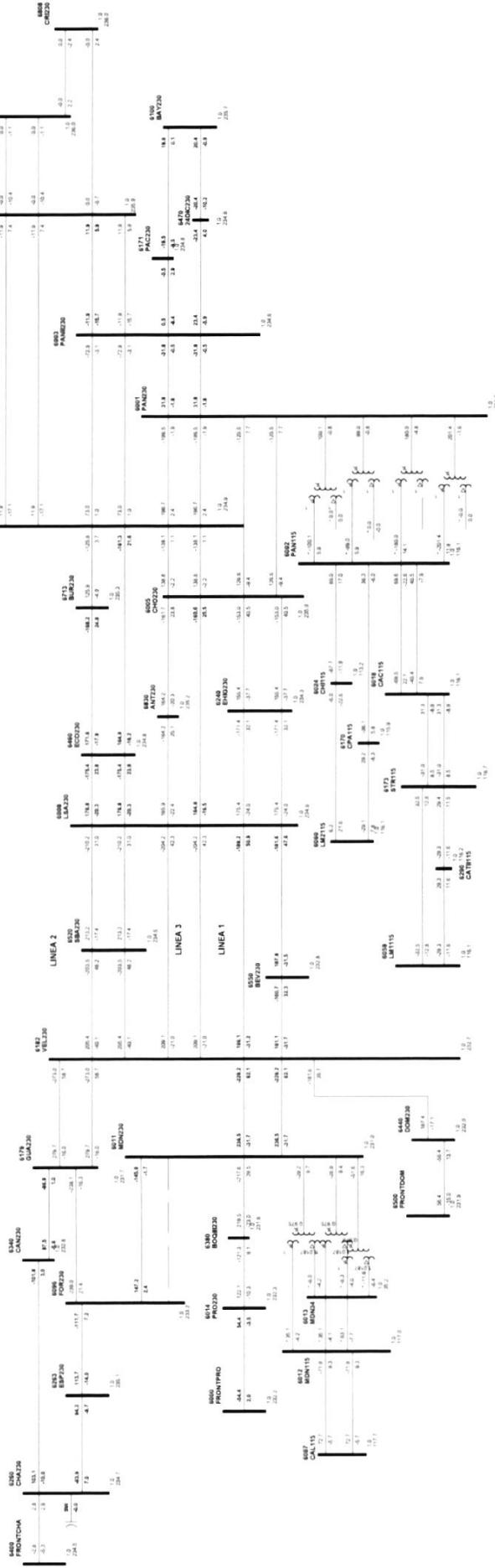
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





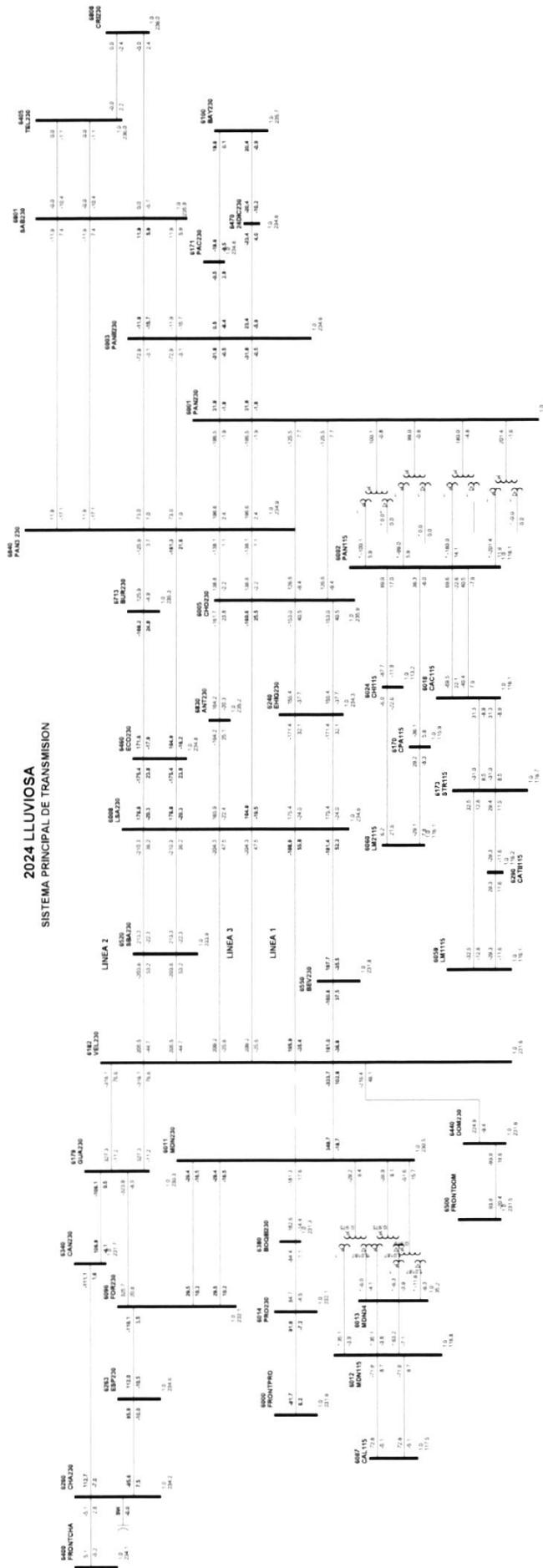
C37-6011-6096-8

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C38-6011-6182-5C



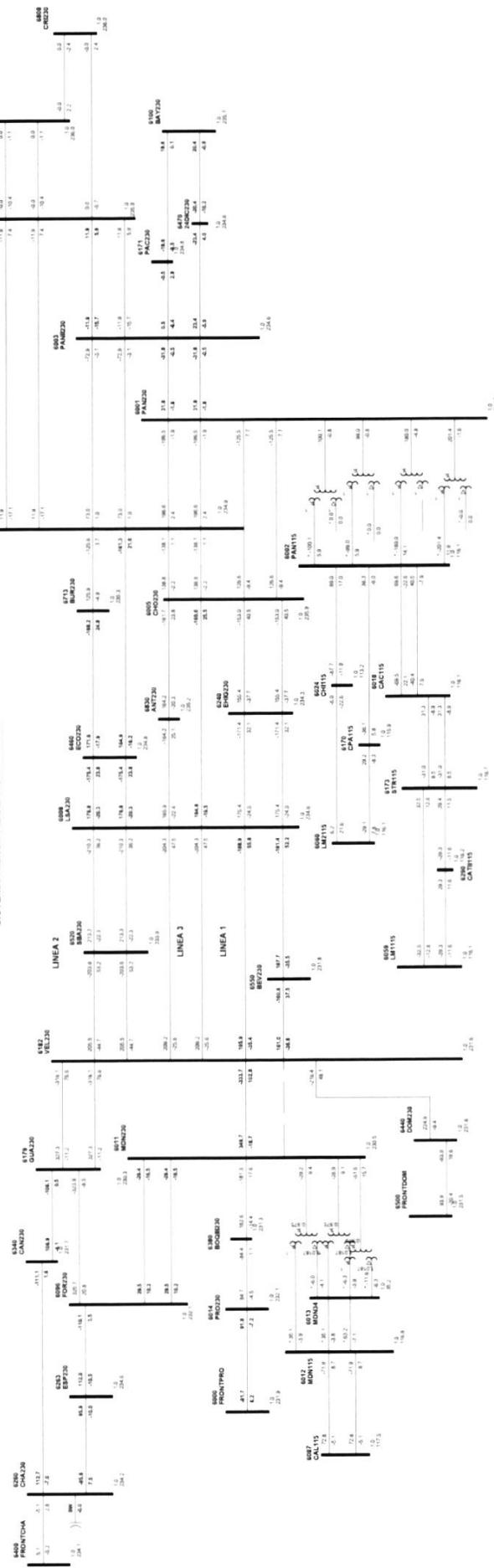
18





C39-6011-6182-6C

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



R

1

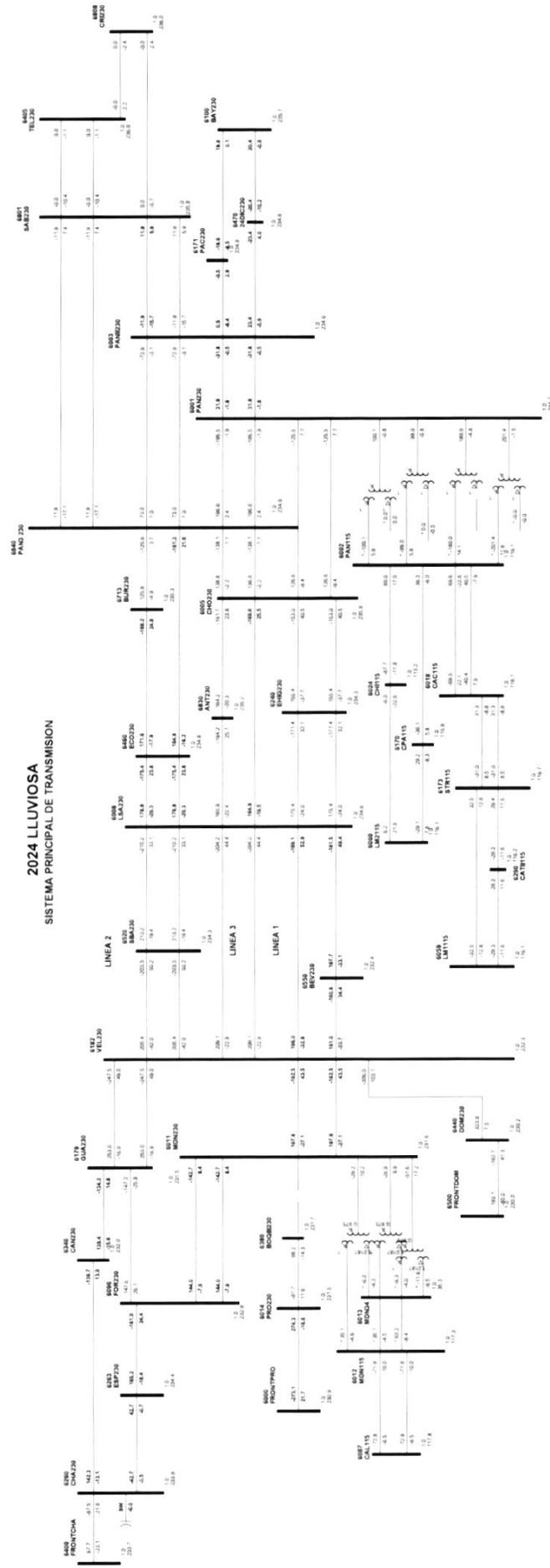




1976

C40-6011-6380-9A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



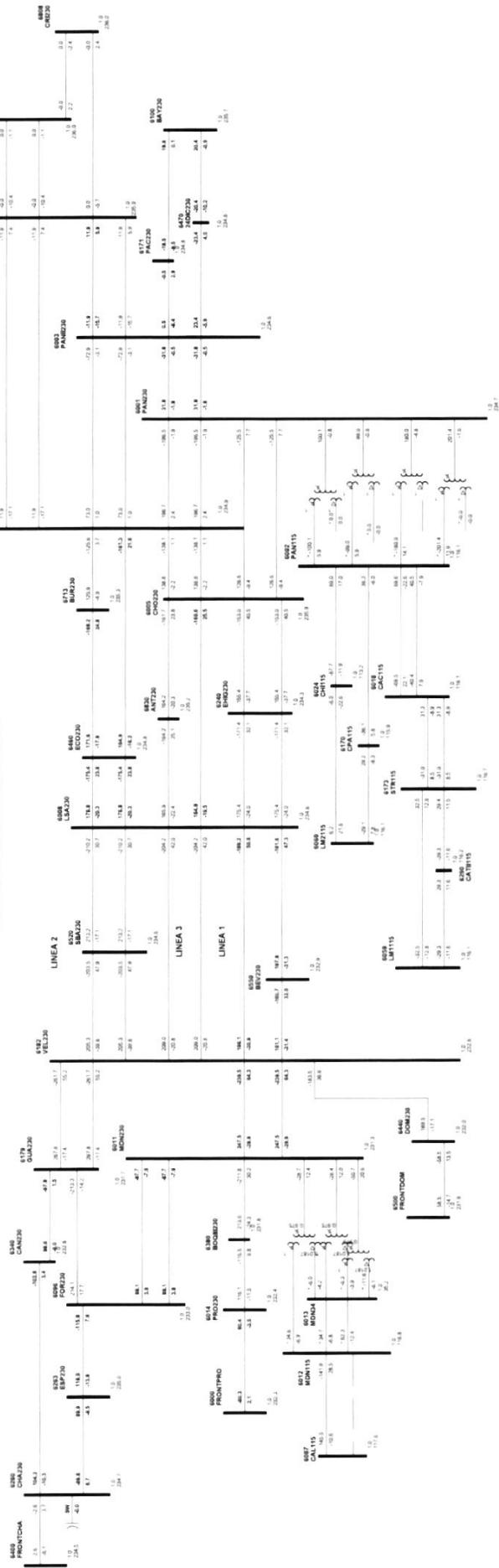
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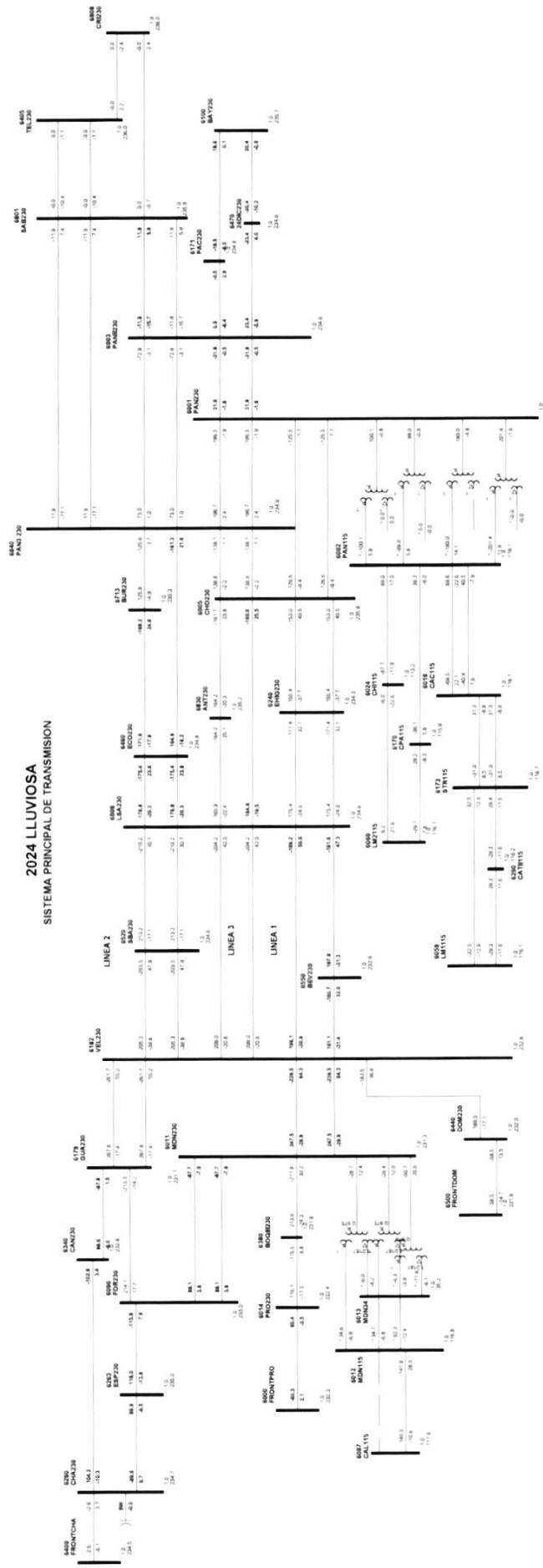
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2024 LLUVIOSA  
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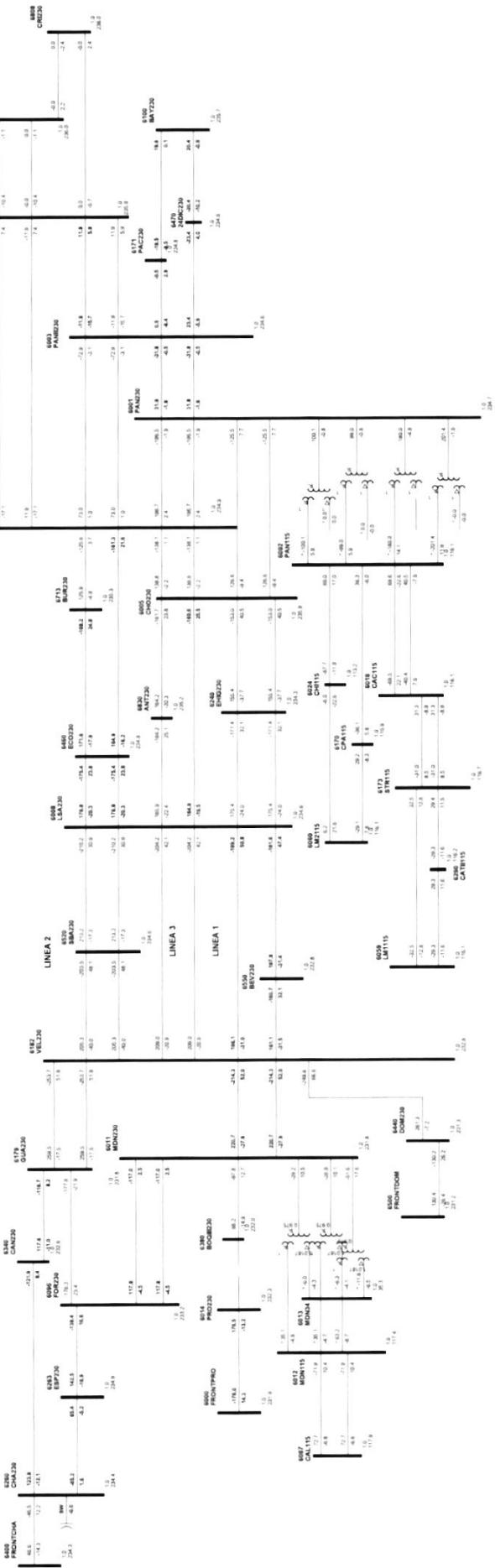
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C43-6014-6380-9B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



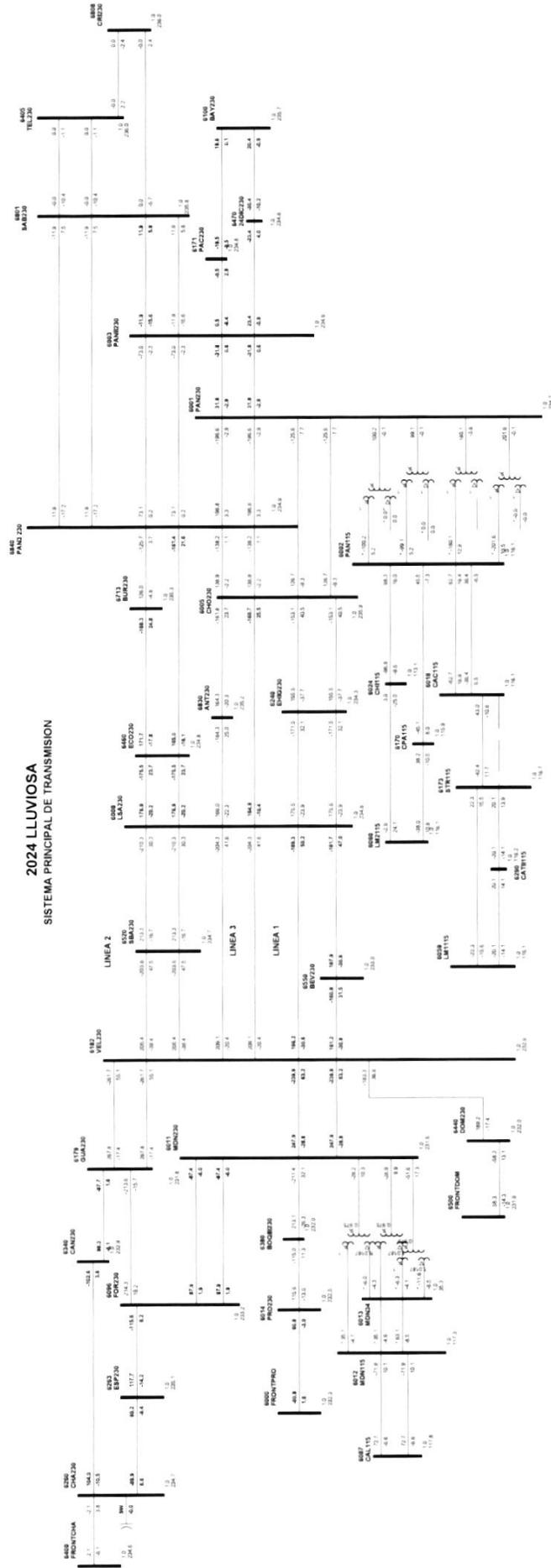
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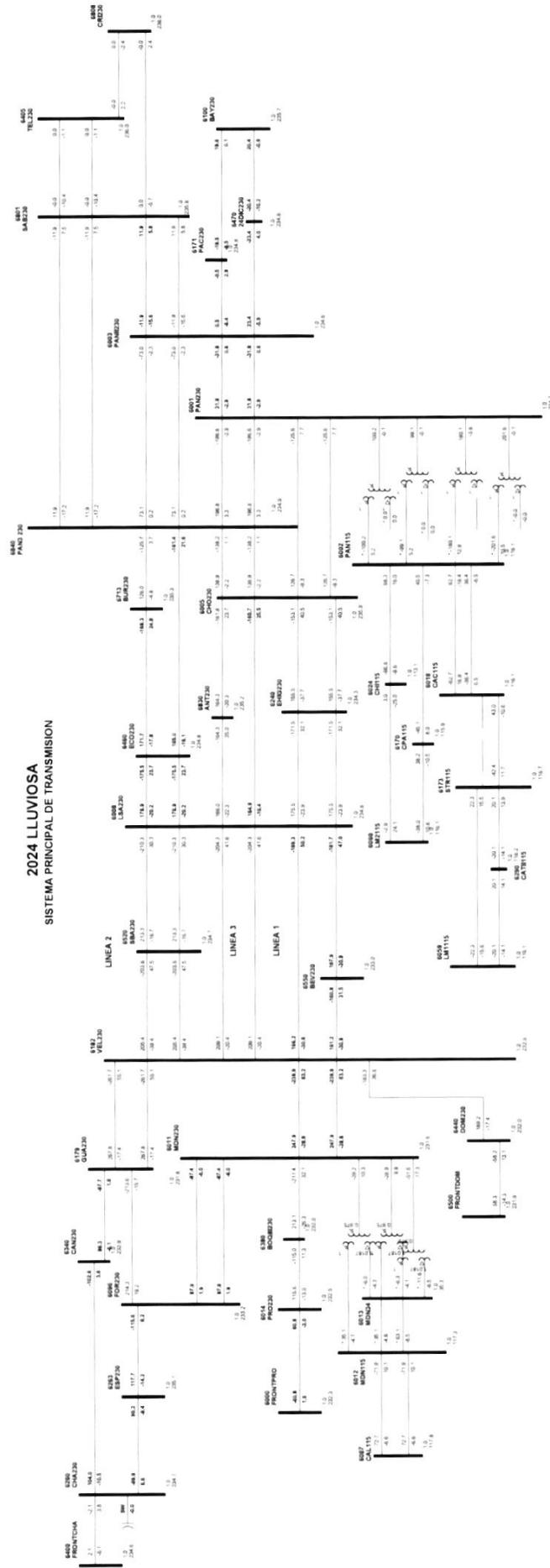
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C45-6018-6173-2A

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



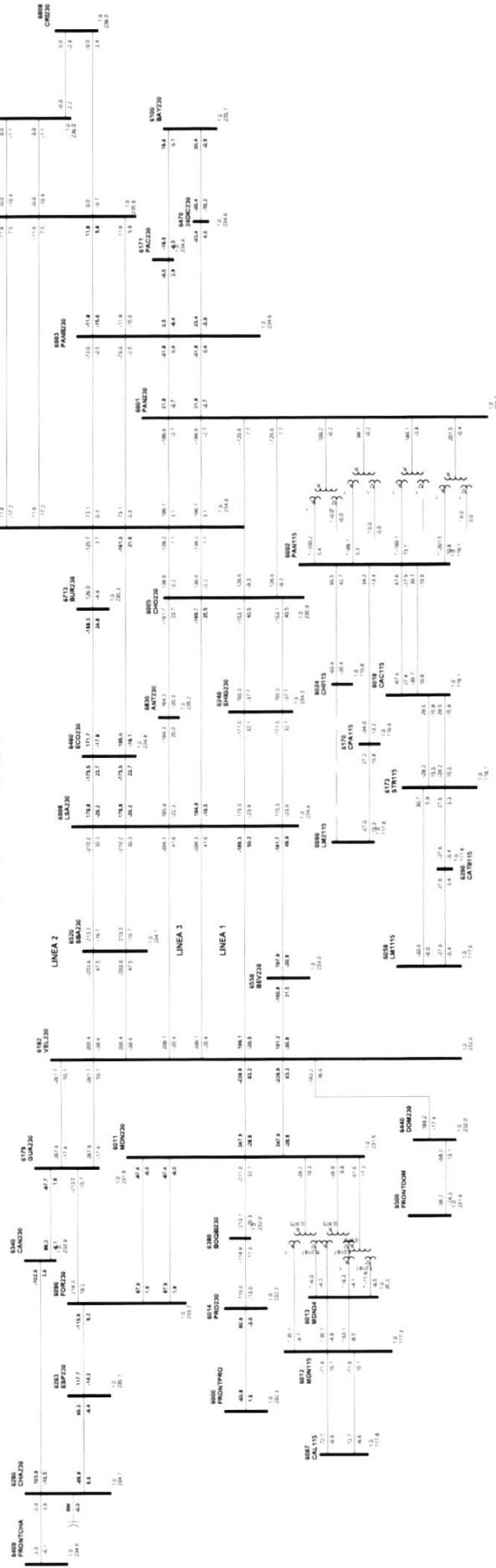
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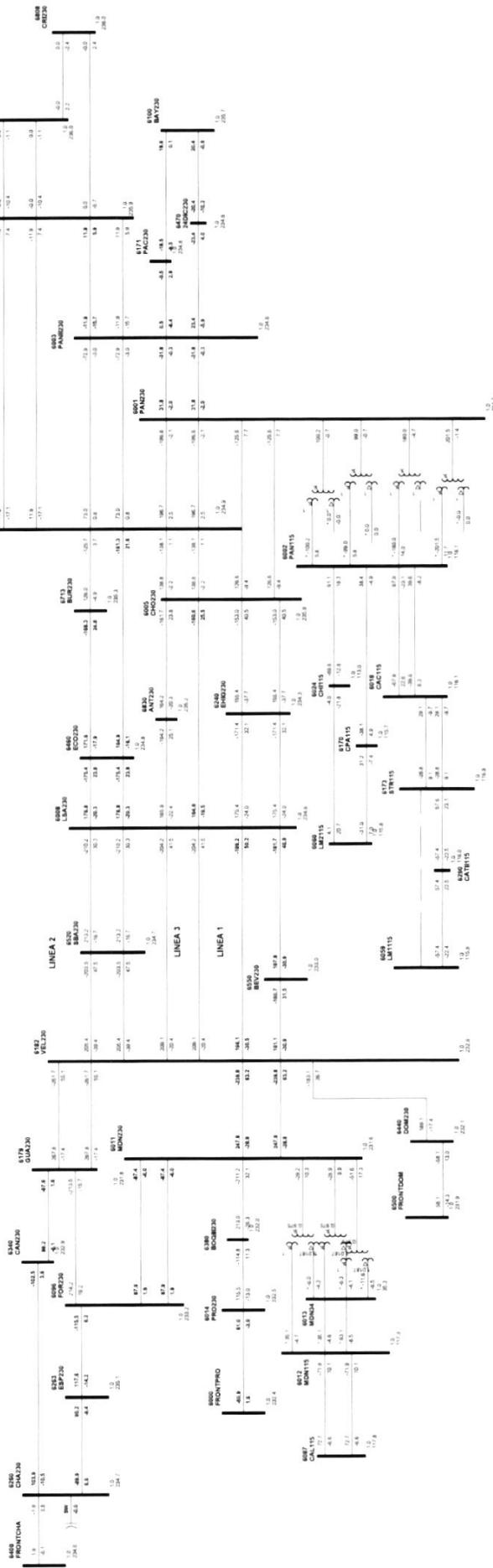
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





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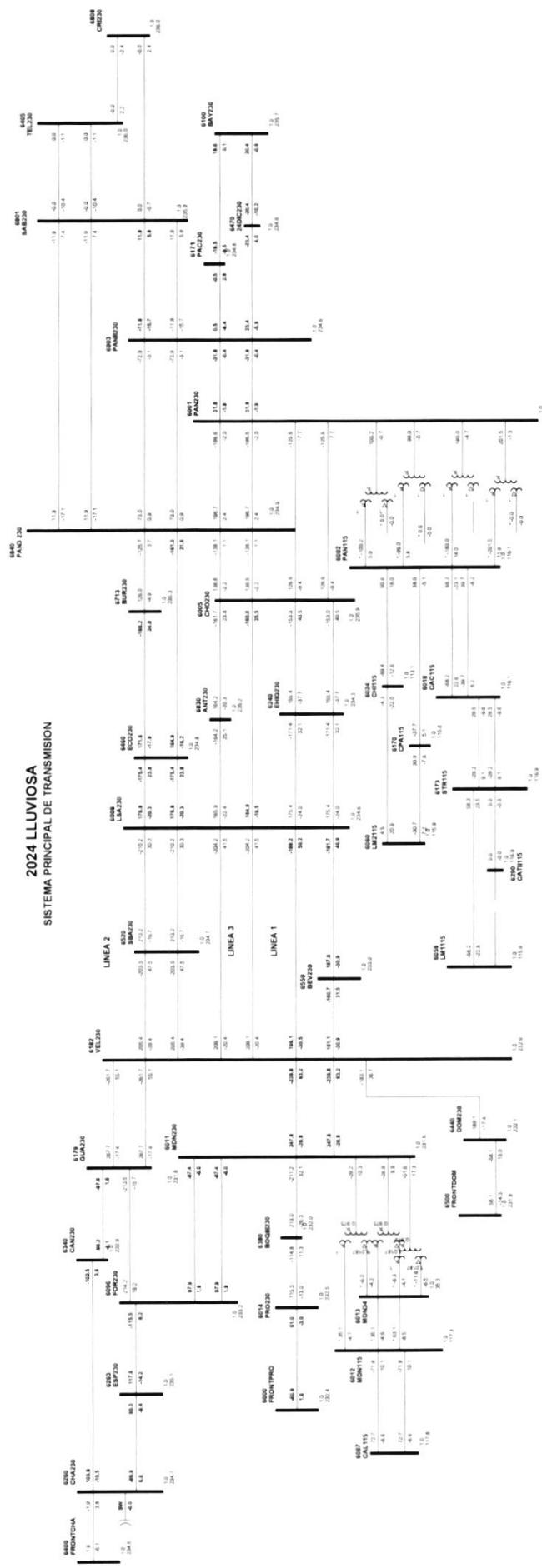
2024 LLUVIOSA  
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C48-6059-6290-1C

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



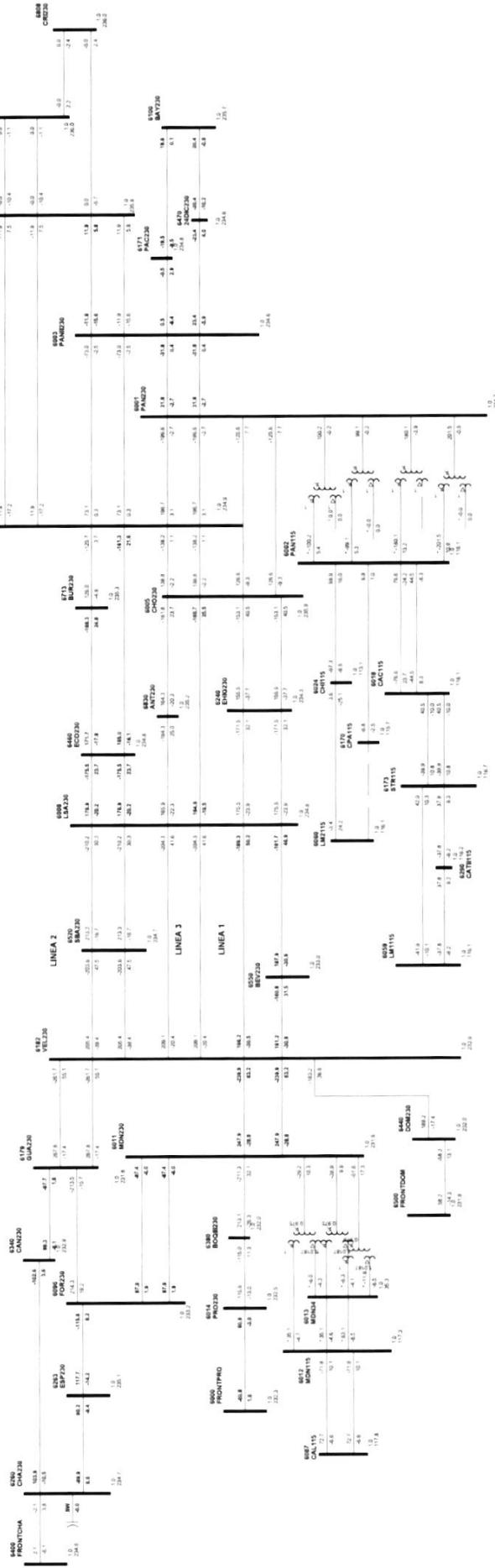
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C49-6060-6170-4B

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SISTEMA PRINCIPAL DE TRANSMISION



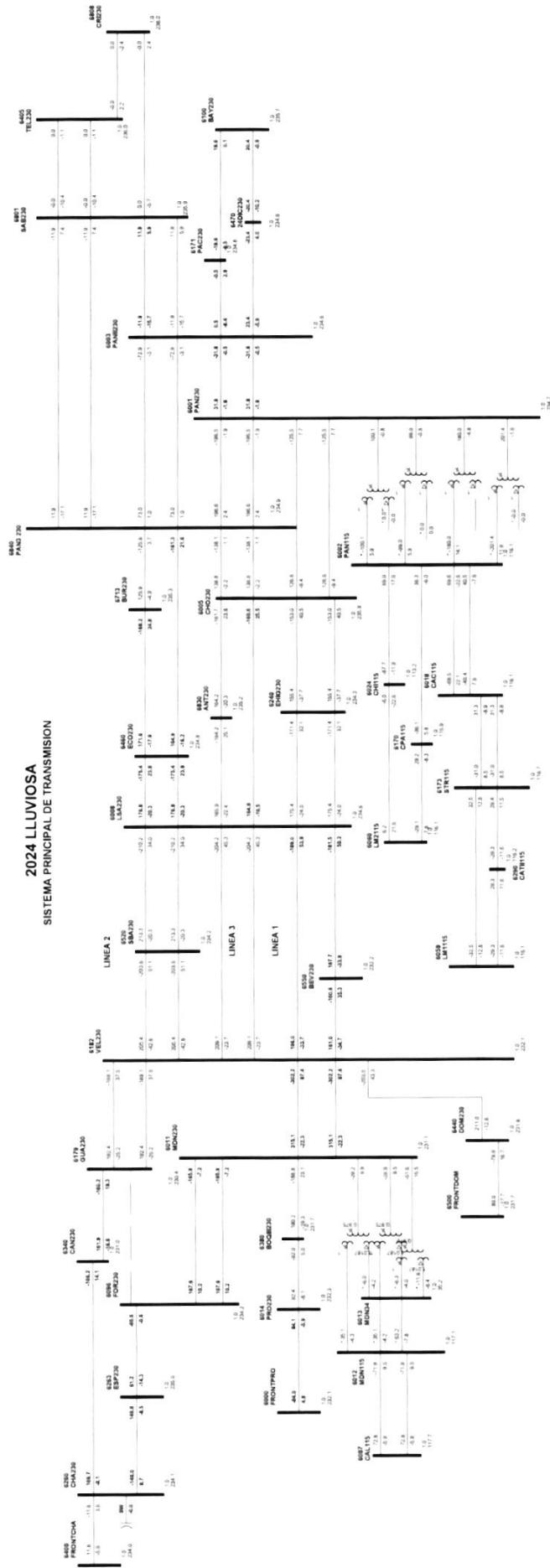
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C50-6096-6179-18

2024 LLUVIOSA  
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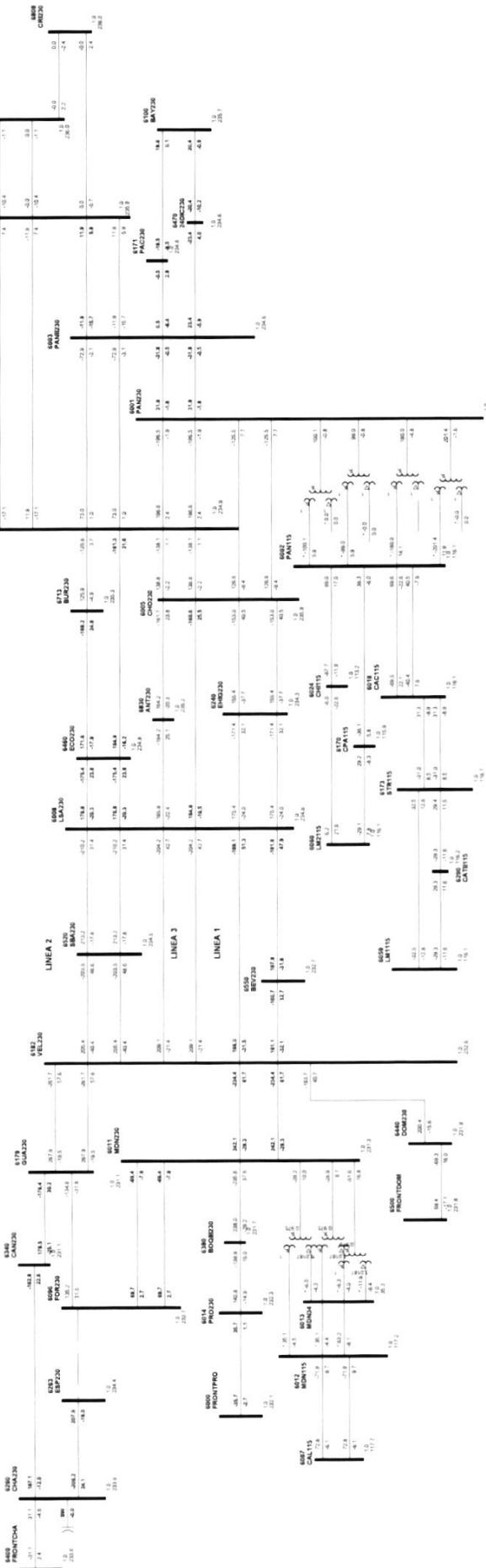


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C51-6096-6263-0A

2024 LLUVIOSA SISTEMA PRINCIPAL DE TRANSMISION



28.7

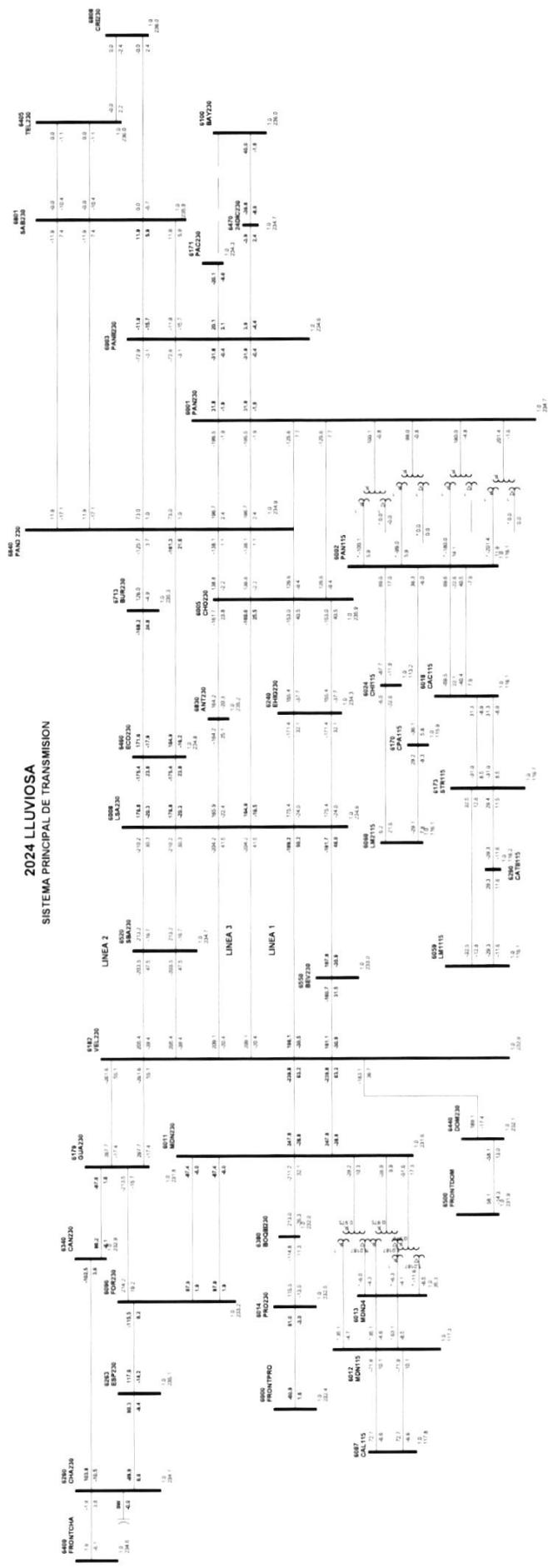
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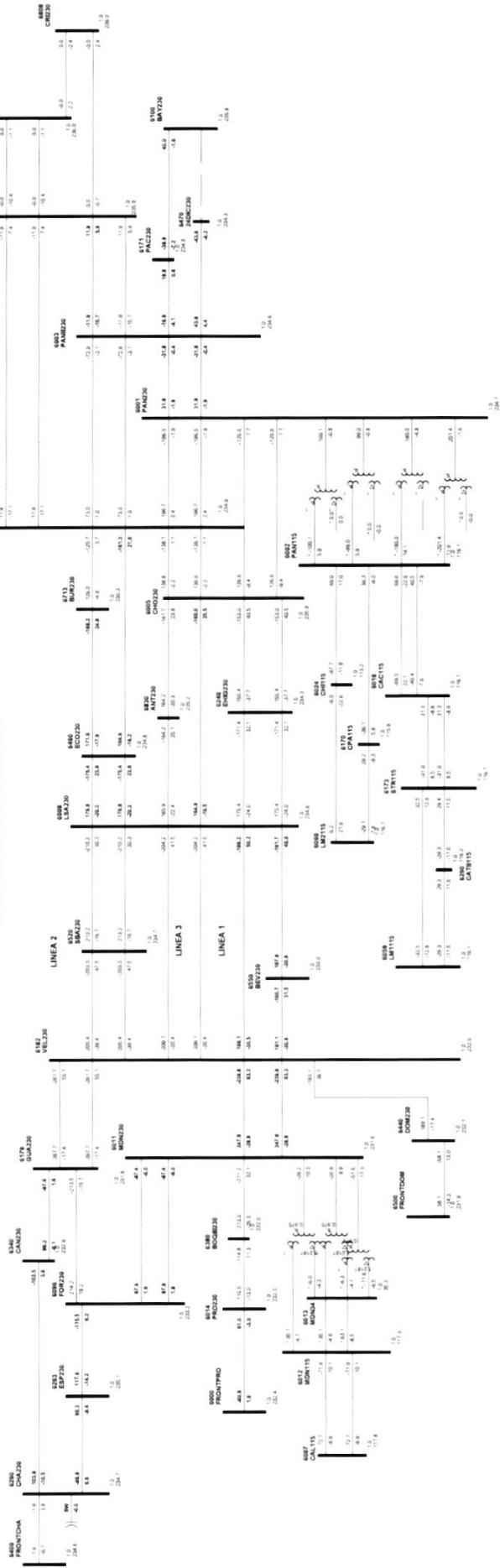
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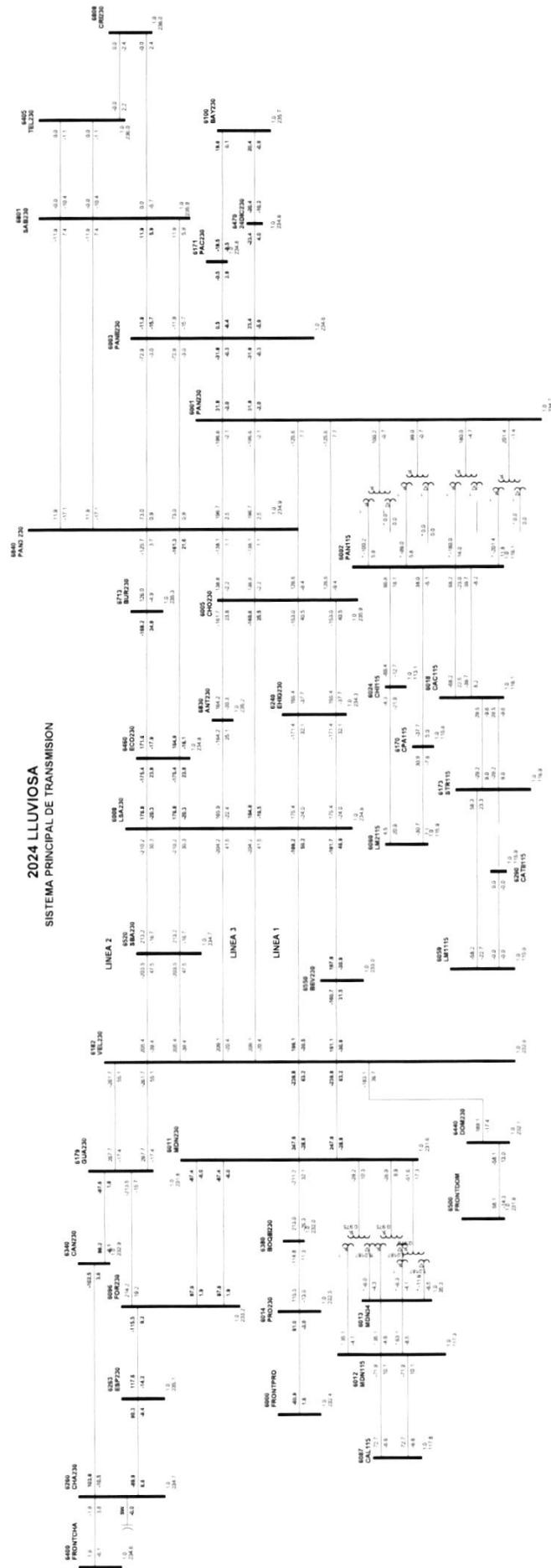
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





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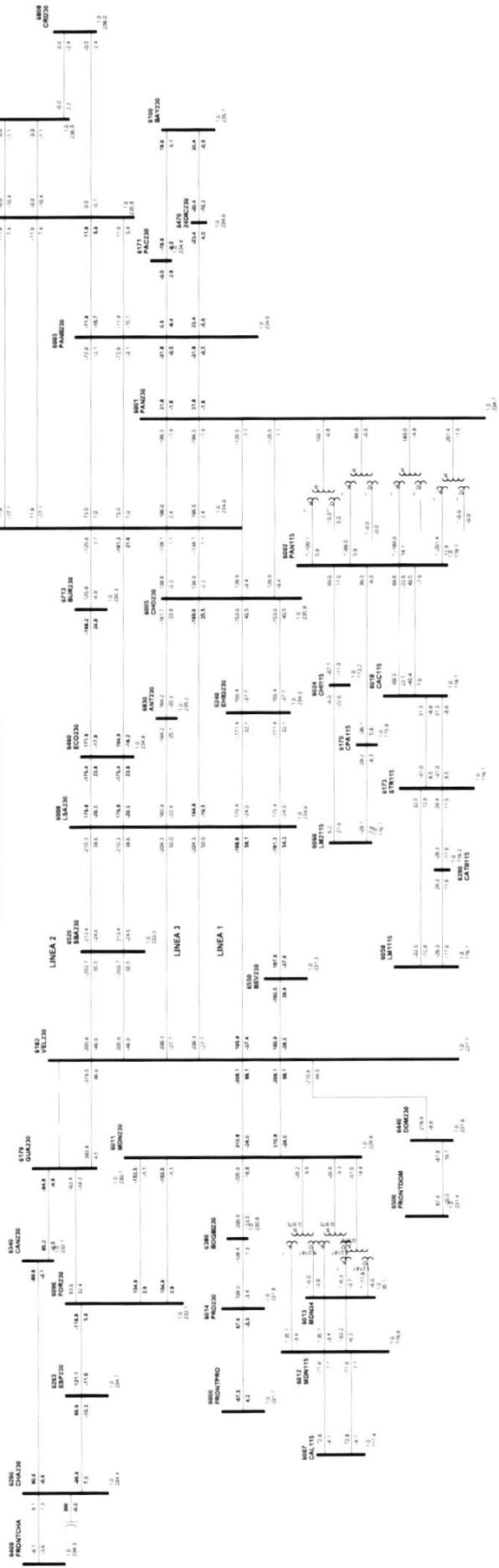
2024 LLUVIOSA  
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C55-6179-6182-16

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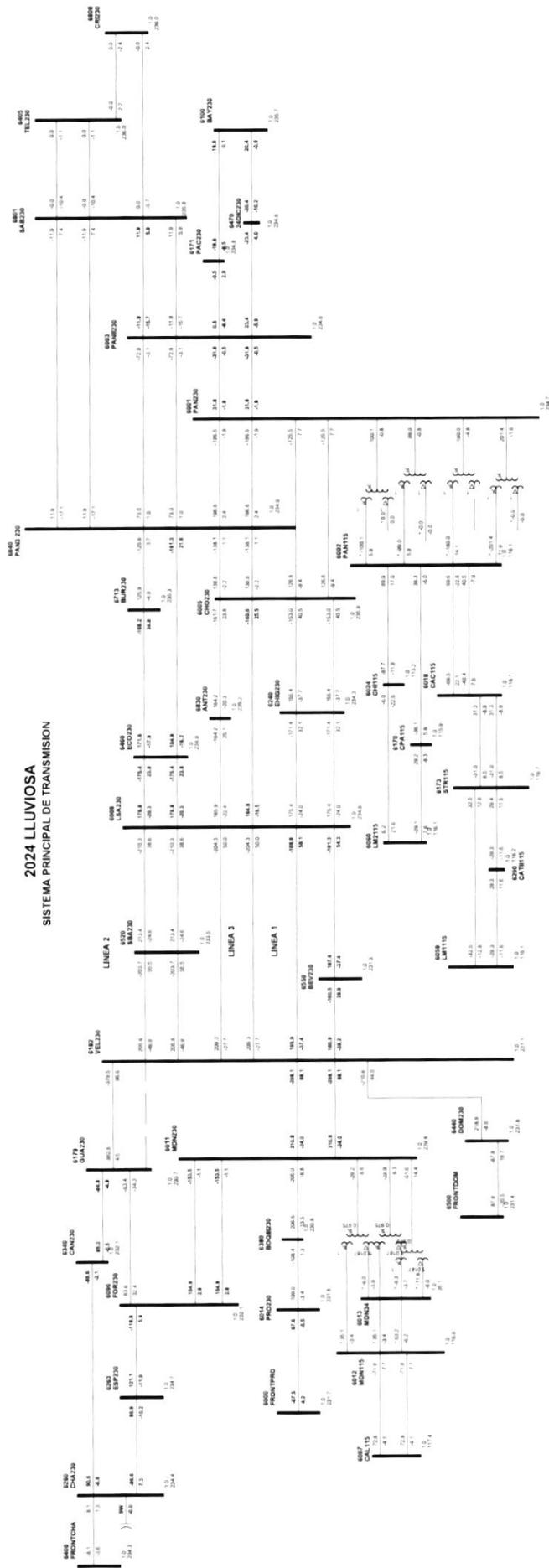


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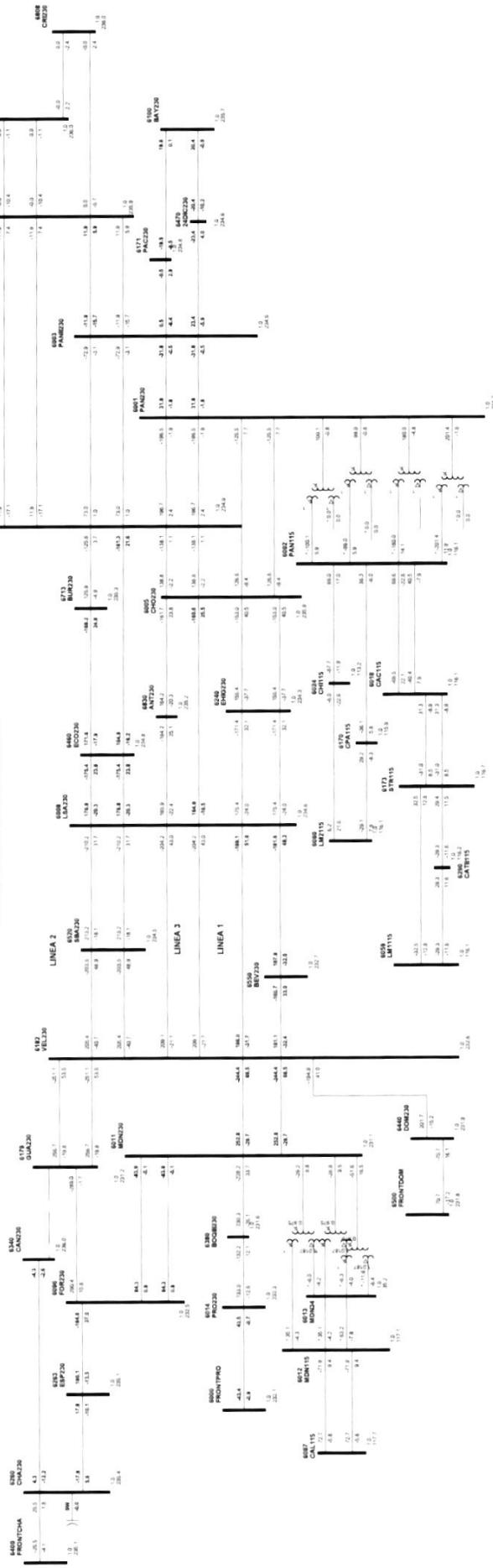
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C57-6179-6401-29

**2024 LLUVIOSA**  
**SISTEMA PRINCIPAL DE TRANSMISION**



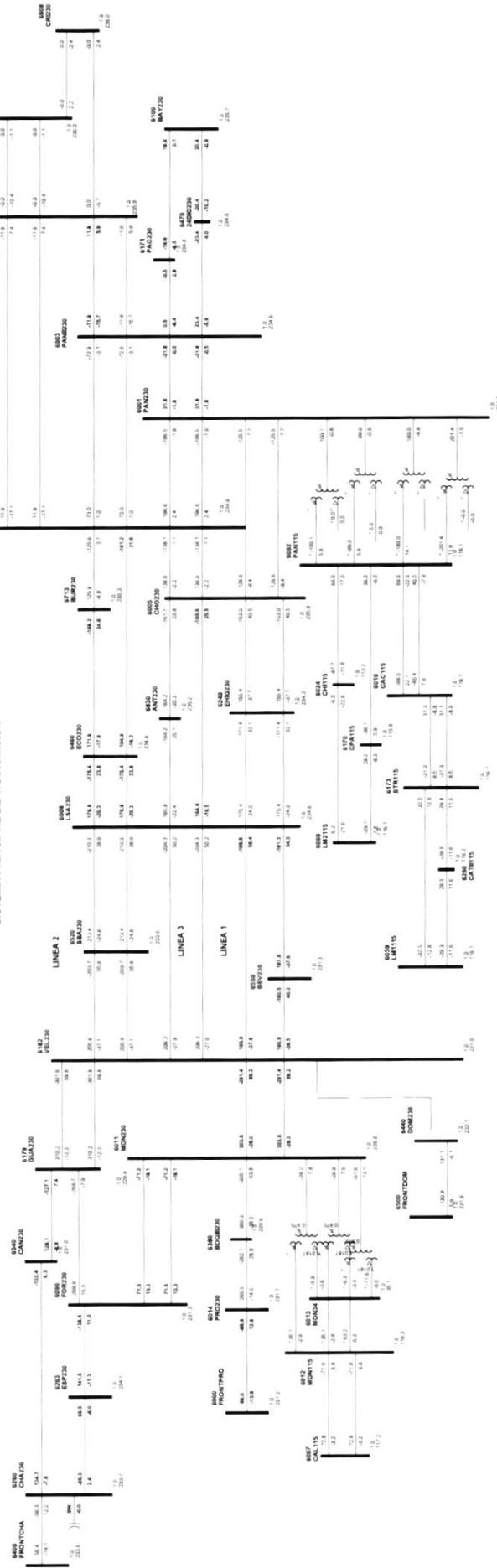
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C58-6182-6440-5A

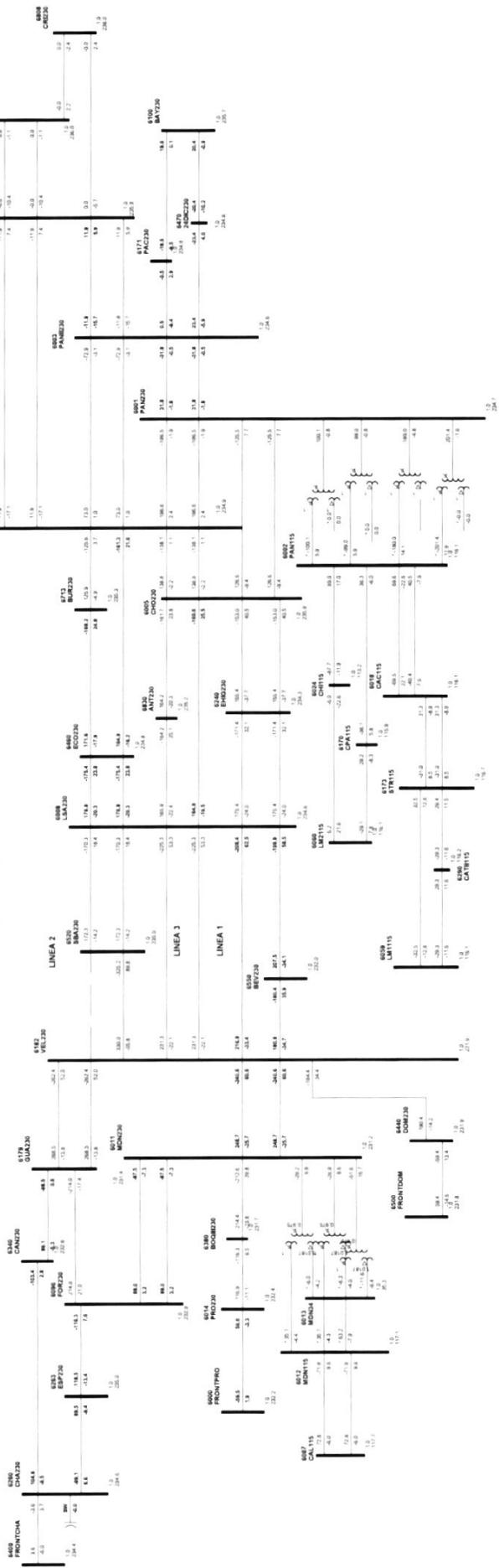
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C59-6182-6520-4B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



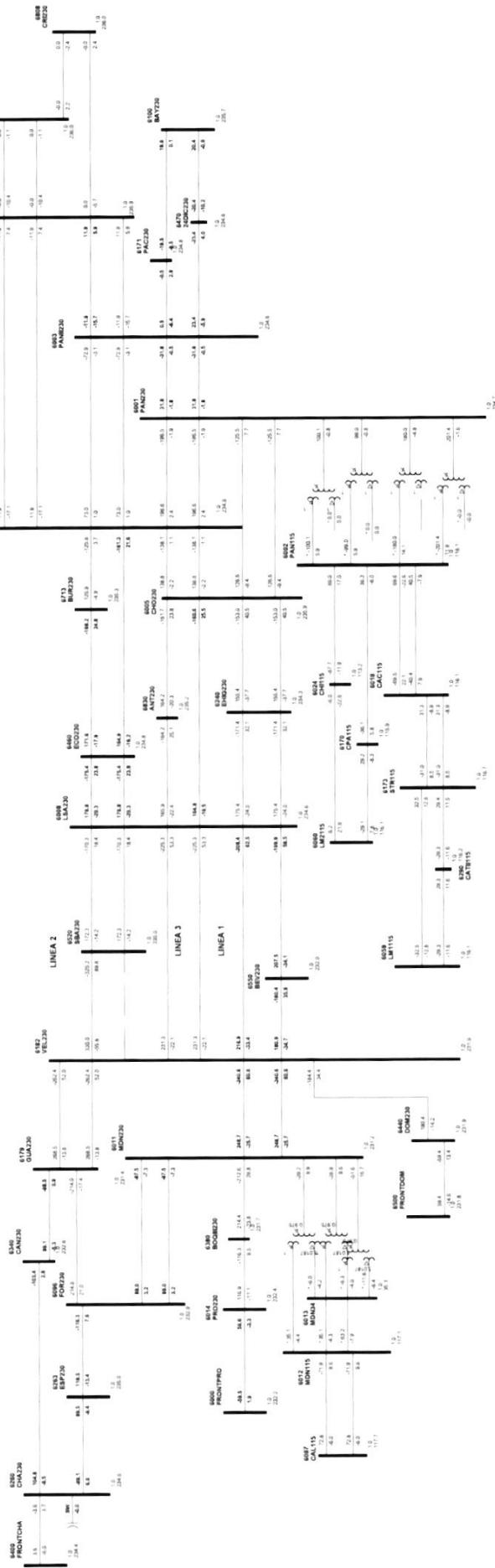
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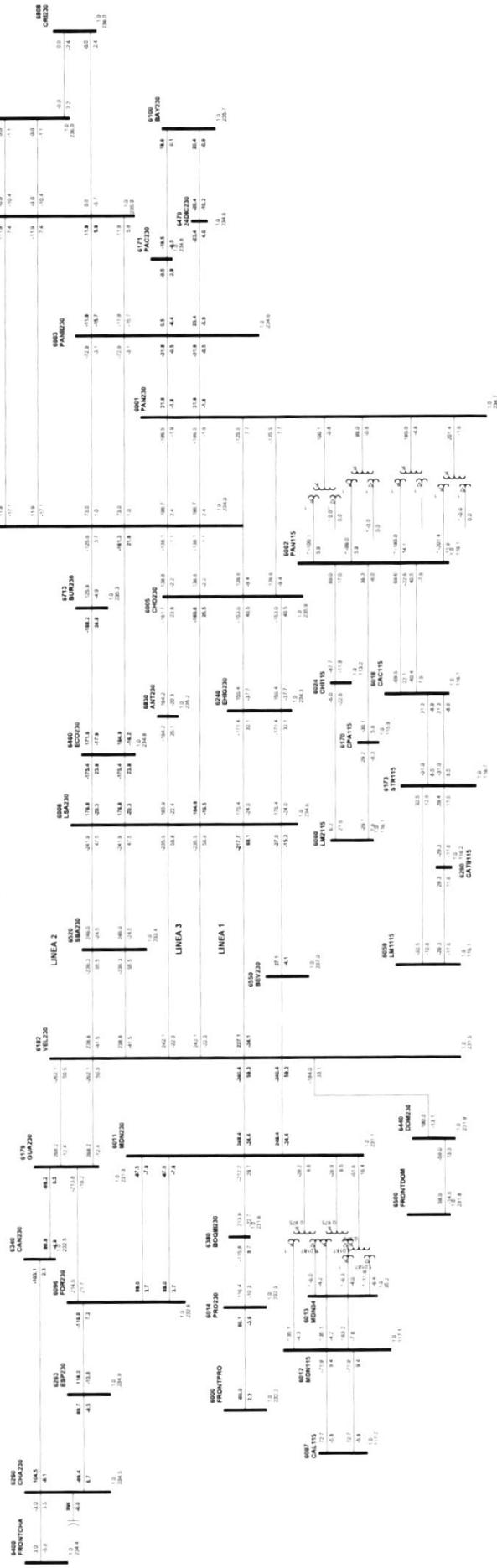
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C61-6182-6550-6B

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



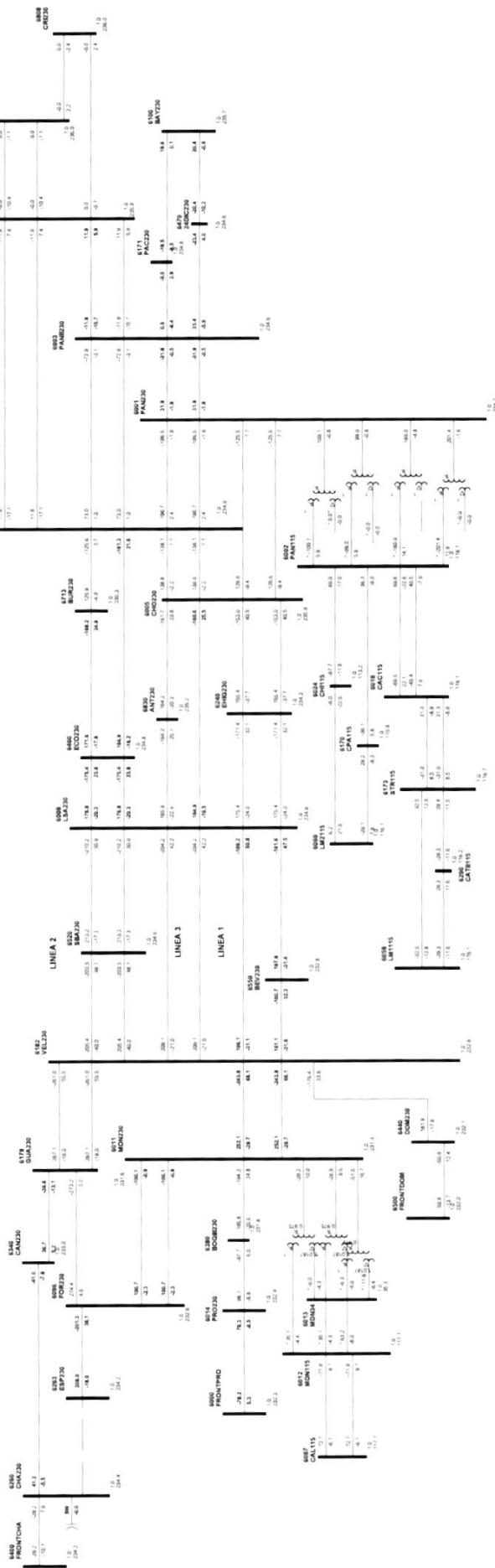
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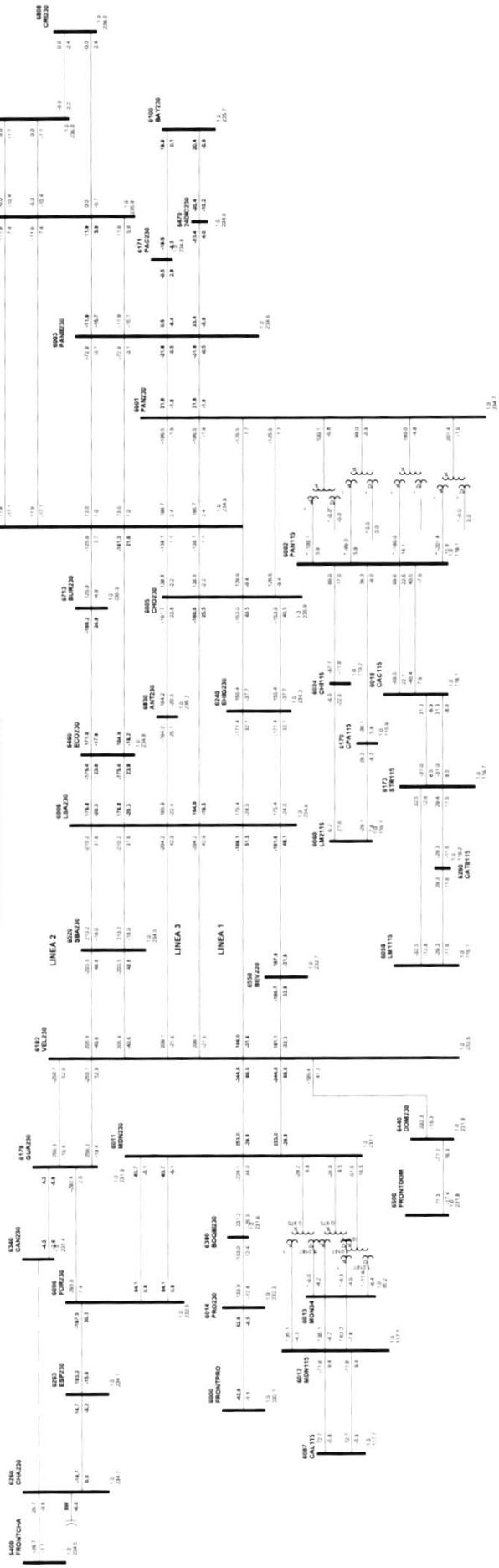
2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION





C63-6260-6340-30

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION



A





C64-6260-6400-21

2024 LLUVIOSA  
SISTEMA PRINCIPAL DE TRANSMISION

