ANEXO 4

REPORTE DE FLUJOS

(DIAGRAMAS UNIFILARES-DEMANDA MEDIA-CASO 1 - 4LT230KV (2030-2036))

PESIN

2022

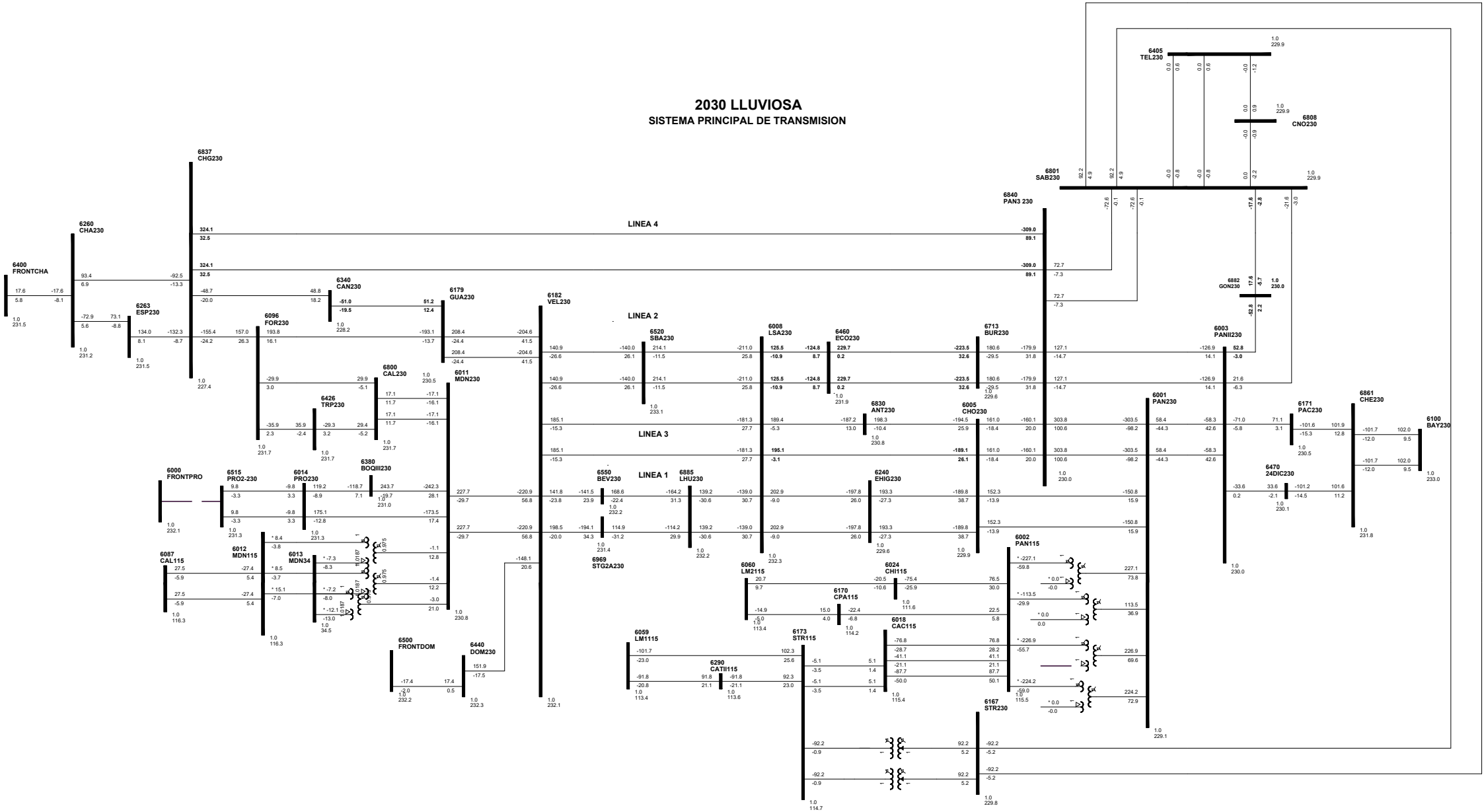
TOMO III

2030 LLUVIOSA

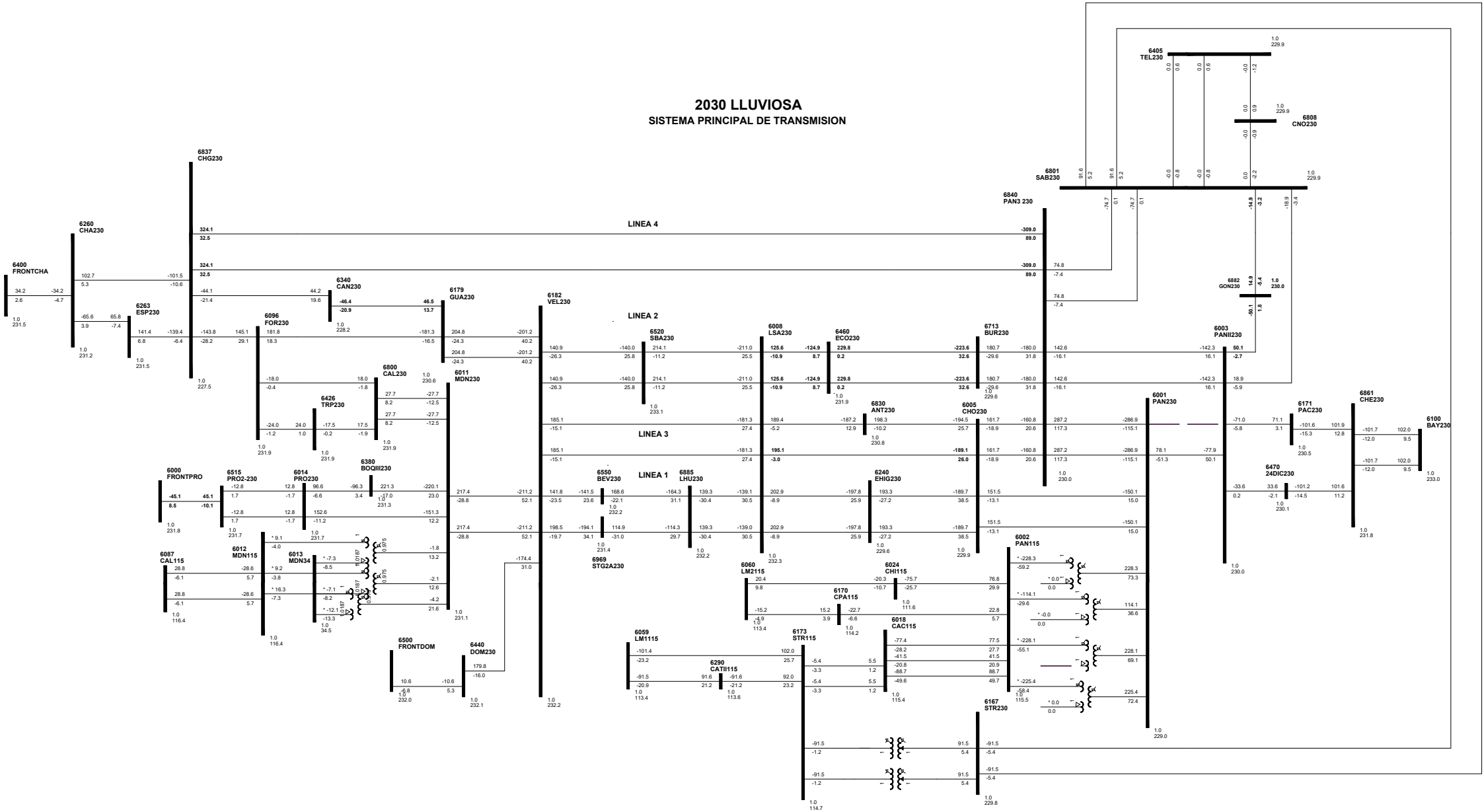
Listado de Contingencias 2030 Máxima Lluviosa

No. Cont	Cont
C1	6000-6515-1
C2	6001-6003-1D
C3	6001-6003-2D
C4	6001-6005-3A
C5	6001-6005-4A
C6	6001-6840-7A
C7	6001-6840-8A
C8	6002-6018-1
C9	6002-6018-12
C10	6002-6018-37
C11	6002-6024-3A
C12	6002-6170-4A
C13	6003-6171-1C
C14	6003-6470-2C
C15	6003-6801-55
C16	6003-6840-2A
C17	6003-6840-3A
C18	6003-6882-4A
C19	6005-6008-50
C20	6005-6240-3B
C21	6005-6240-4B
C22	6005-6830-9A
C23	6005-6840-7B
C24	6005-6840-8B
C25	6008-6182-51
C26	6008-6182-52
C27	6008-6240-3C
C28	6008-6240-4C
C29	6008-6460-2D
C30	6008-6460-3D
C31	6008-6520-4A
C32	6008-6520-5A
C33	6008-6830-9B
C34	6008-6885-5A
C35	6008-6885-6A
C36	6011-6014-39
C37	6011-6182-5D
C38	6011-6182-6D
C39	6011-6380-9A
C40	6011-6800-7A
C41	6011-6800-8A
C42	6012-6087-15
C43	6012-6087-16
C44	6014-6380-9B
C45	6014-6515-1
C46	6014-6515-2
C47	6018-6173-1A
C48	6018-6173-2A
C49	6024-6060-3B
C50	6059-6173-2B
C51	6059-6290-1C
C52	6060-6170-4B
C53	6096-6179-18
C54	6096-6426-7C
C55	6096-6800-8B
C56	6096-6837-0A
C57	6100-6861-1A
C58	6100-6861-2A
C59	6167-6801-1
C60	6167-6801-2
C61	6171-6861-1B
C62	6173-6290-1B
C63	6179-6182-16
C64	6179-6182-17
C65	6179-6401-29
C66	6182-6440-5A
C67	6182-6520-4B
C68	6182-6520-5B
C69	6182-6550-6C
C70	6182-6969-5C
C71	6260-6263-0C
C72	6260-6400-21
C73	6260-6837-0B
C74	6263-6837-0B
C75	6340-6401-29
C76	6340-6837-0A
C77	6405-6801-1
C78	6405-6801-2
C79	6405-6808-1
C80	6426-6800-7B
C81	6440-6500-5B
C82	6460-6713-2C
C83	6460-6713-3C
C84	6470-6861-2B
C85	6550-6885-6B
C86	6713-6840-2B
C87	6713-6840-3B
C88	6801-6808-1
C89	6801-6840-1
C90	6801-6840-2
C91	6801-6882-4B
C92	6837-6840-1
C93	6837-6840-2
C94	6885-6969-5B

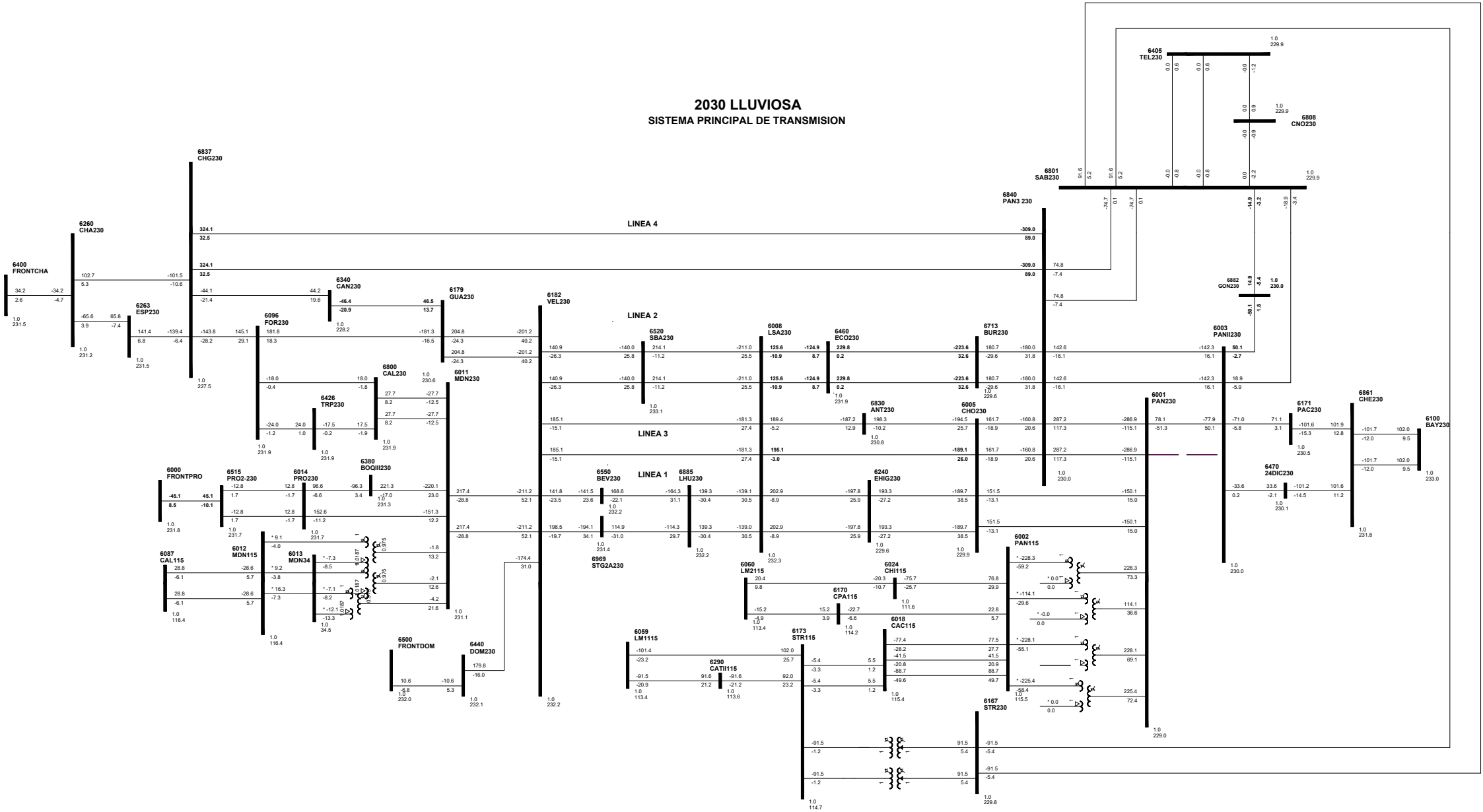
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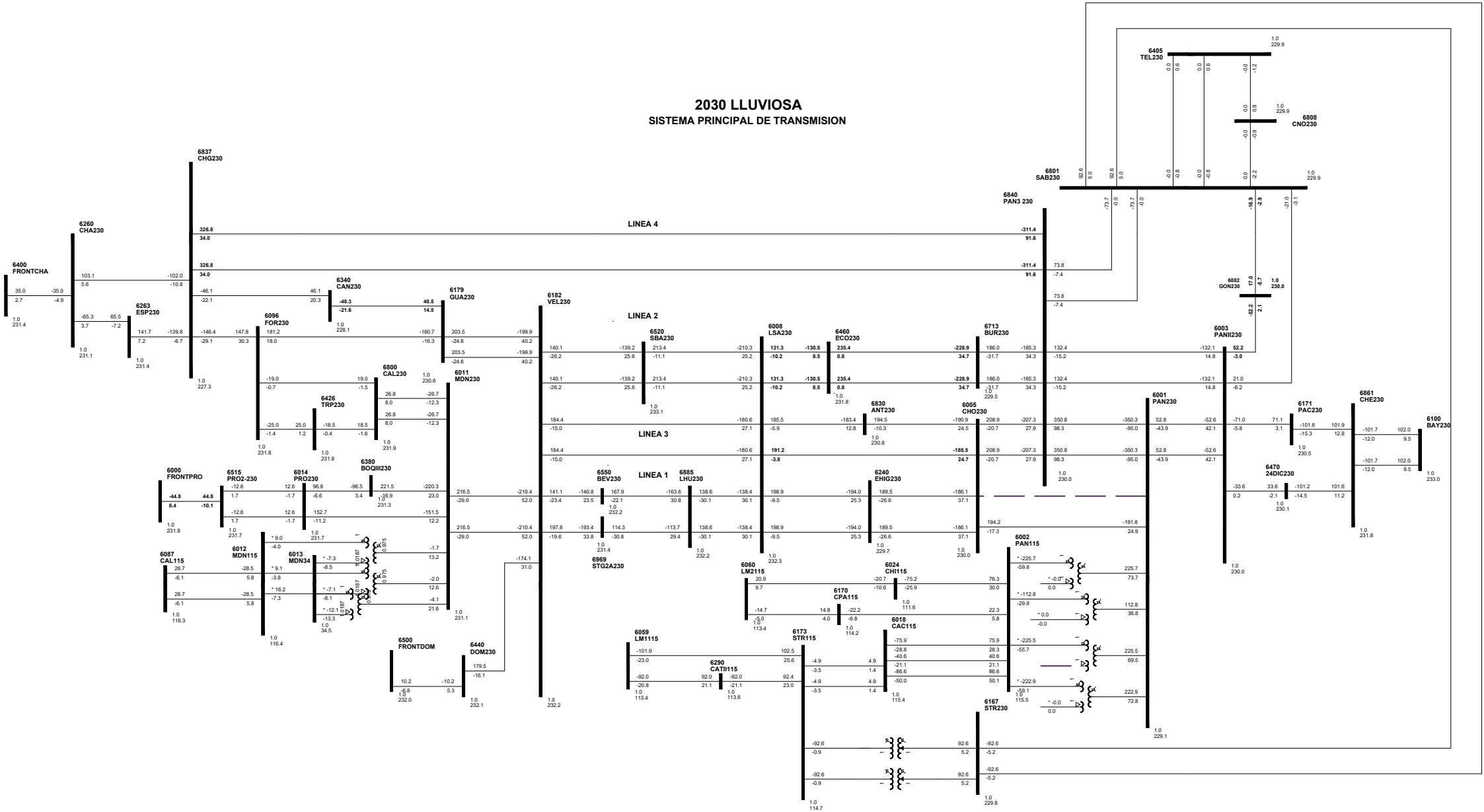
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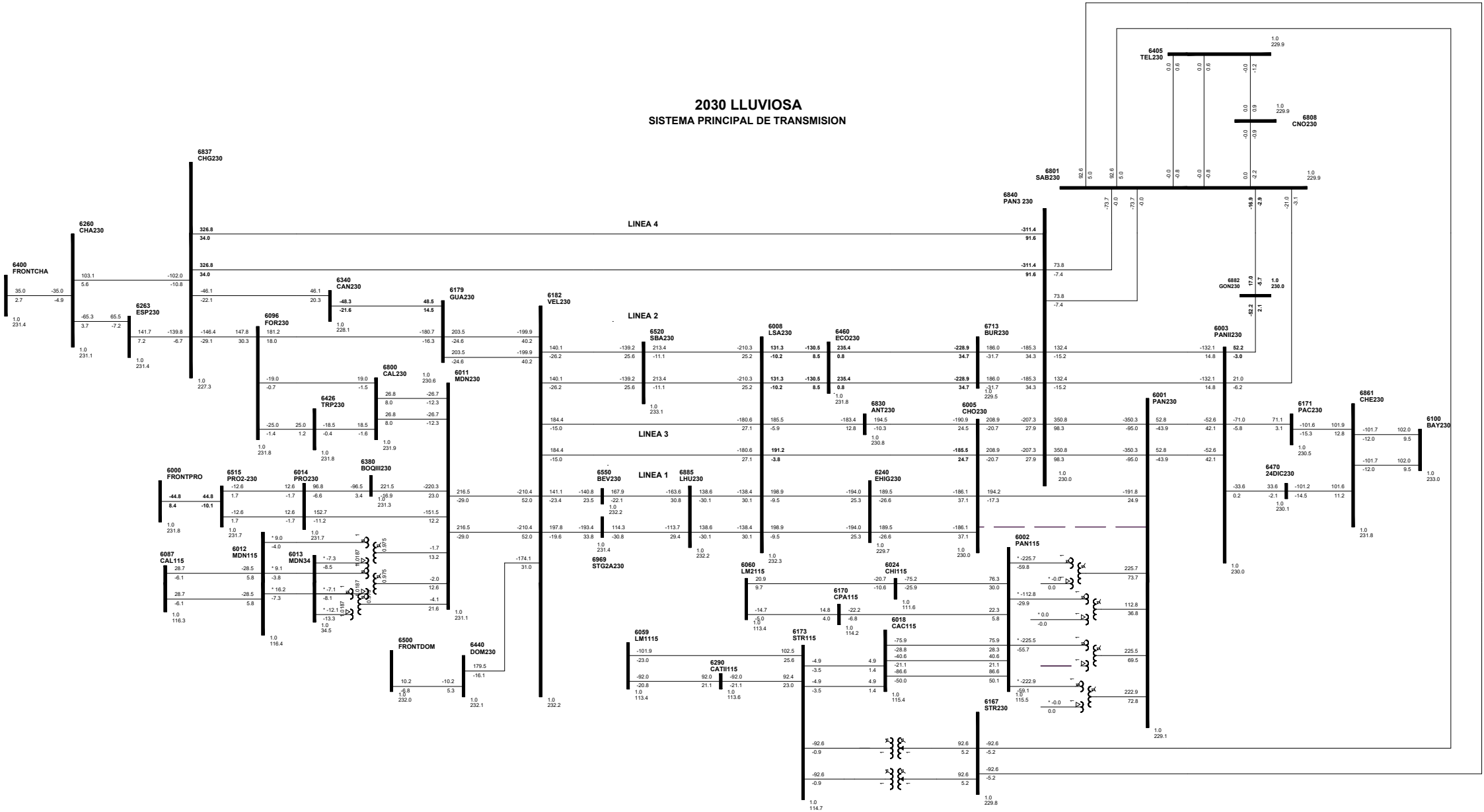
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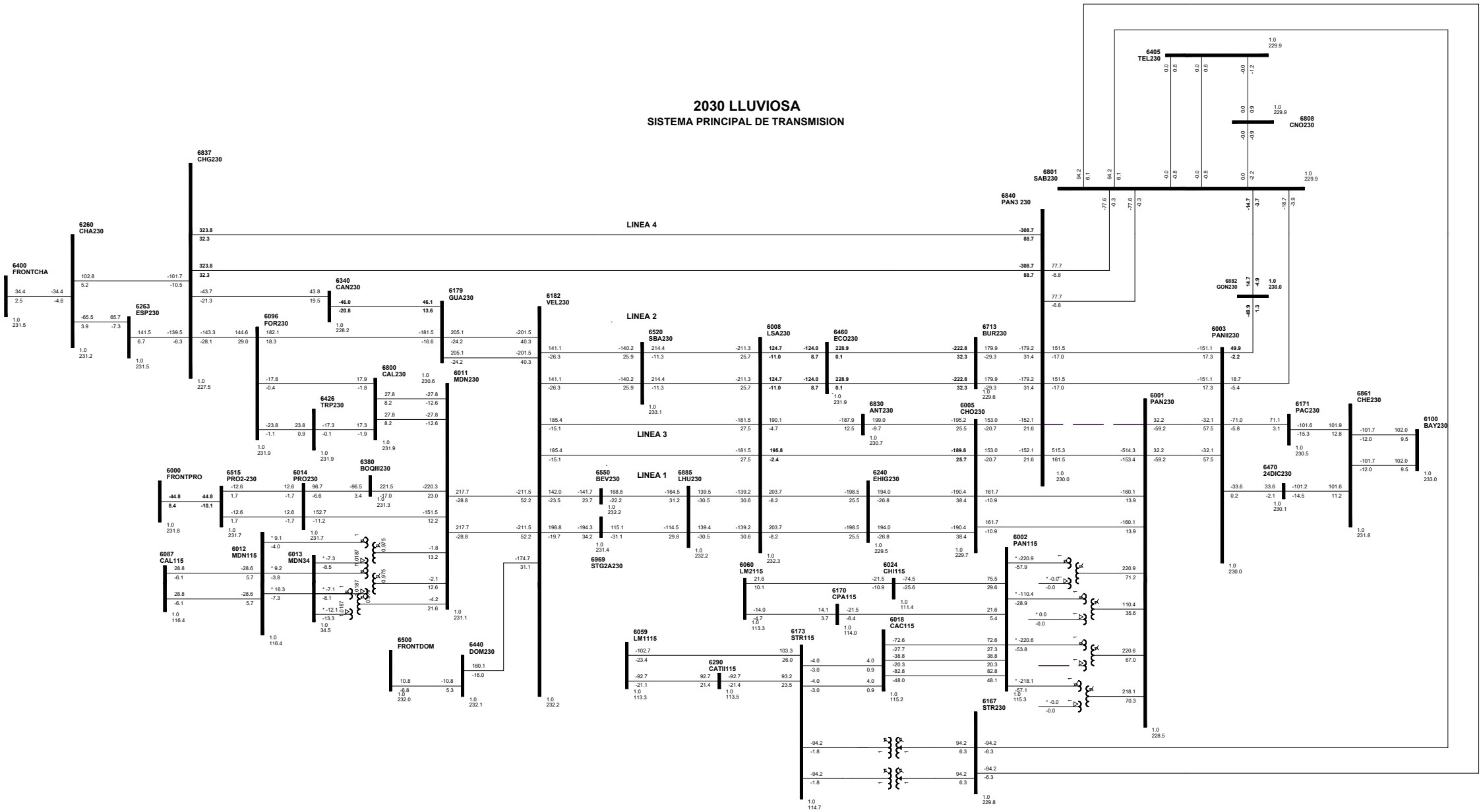
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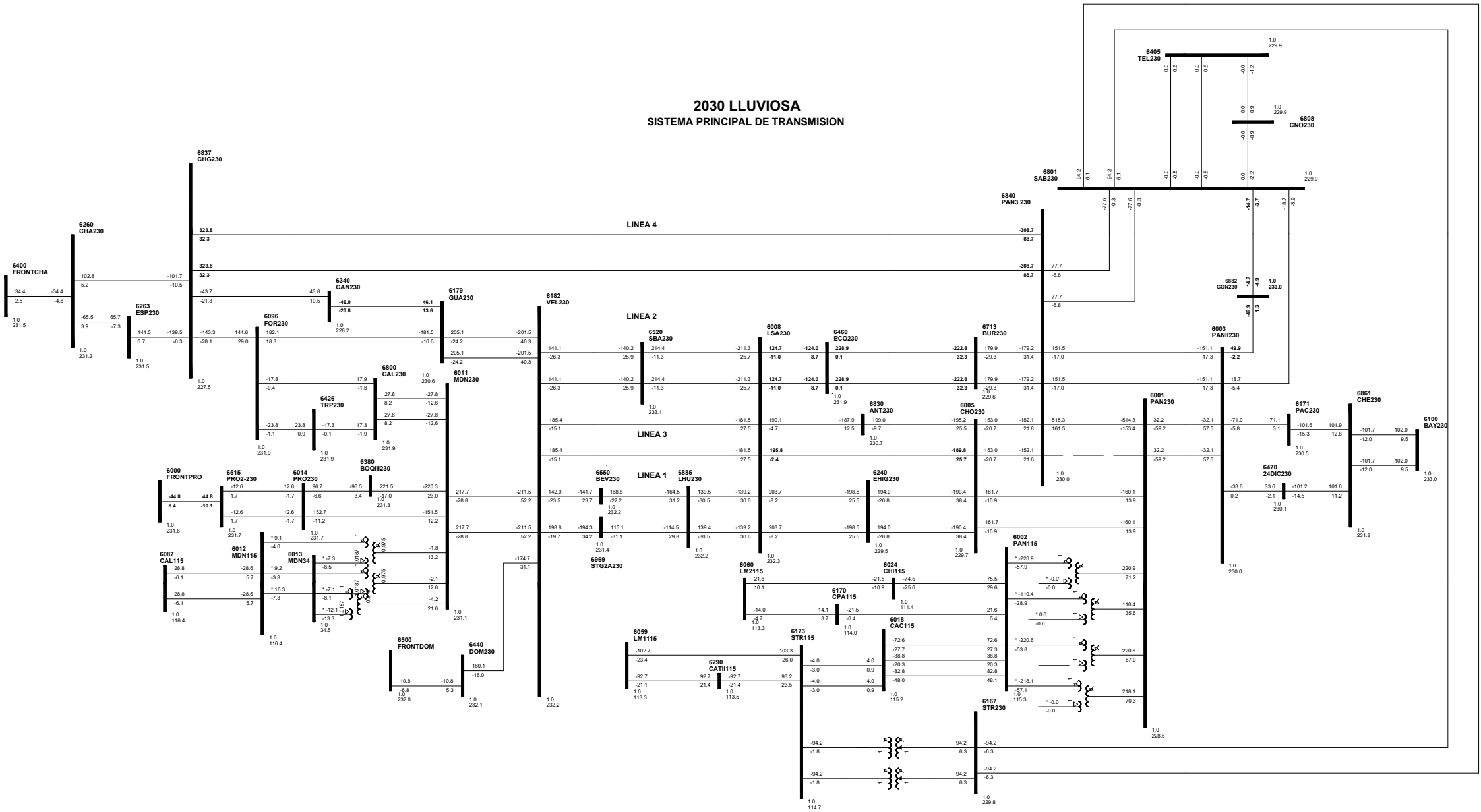
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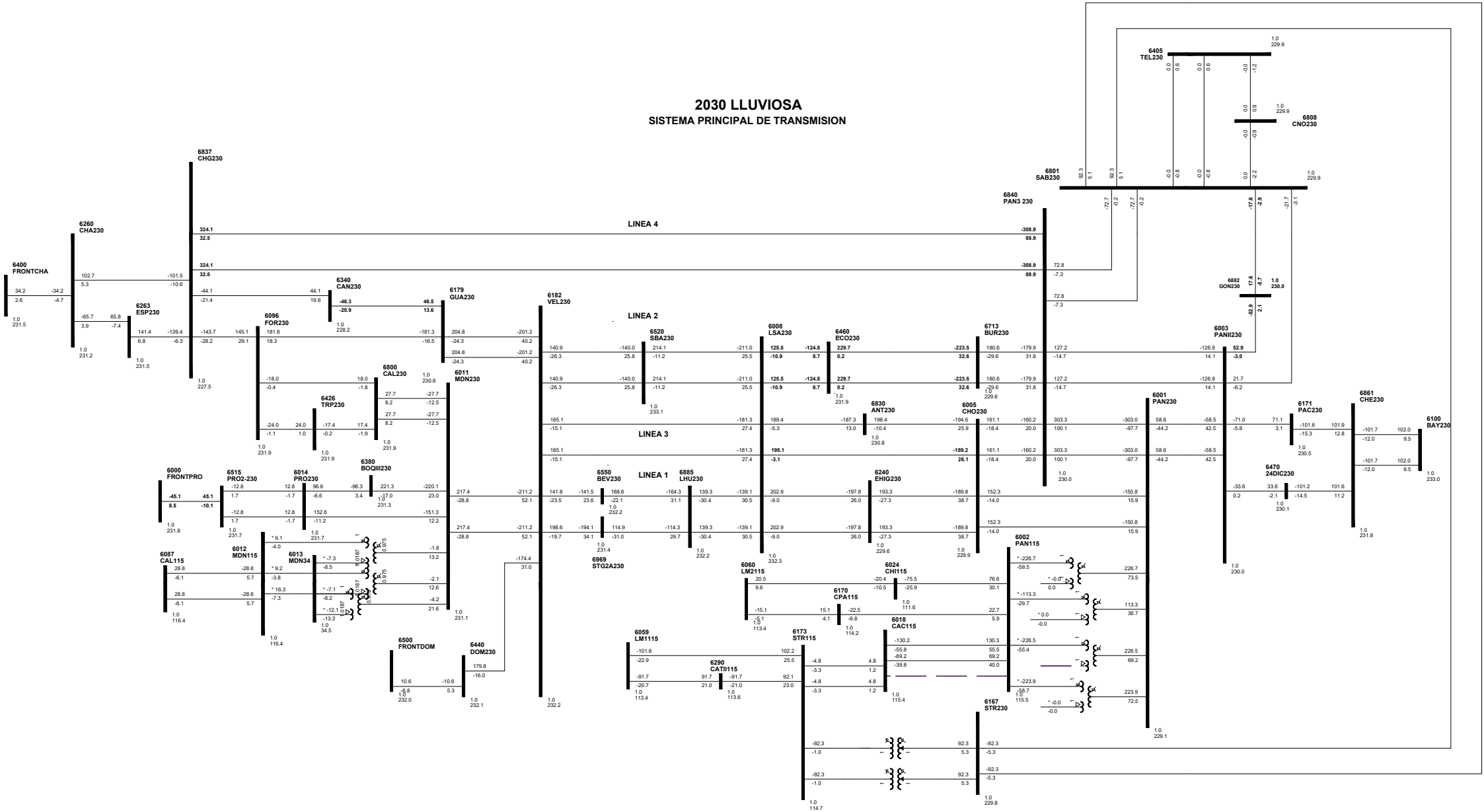
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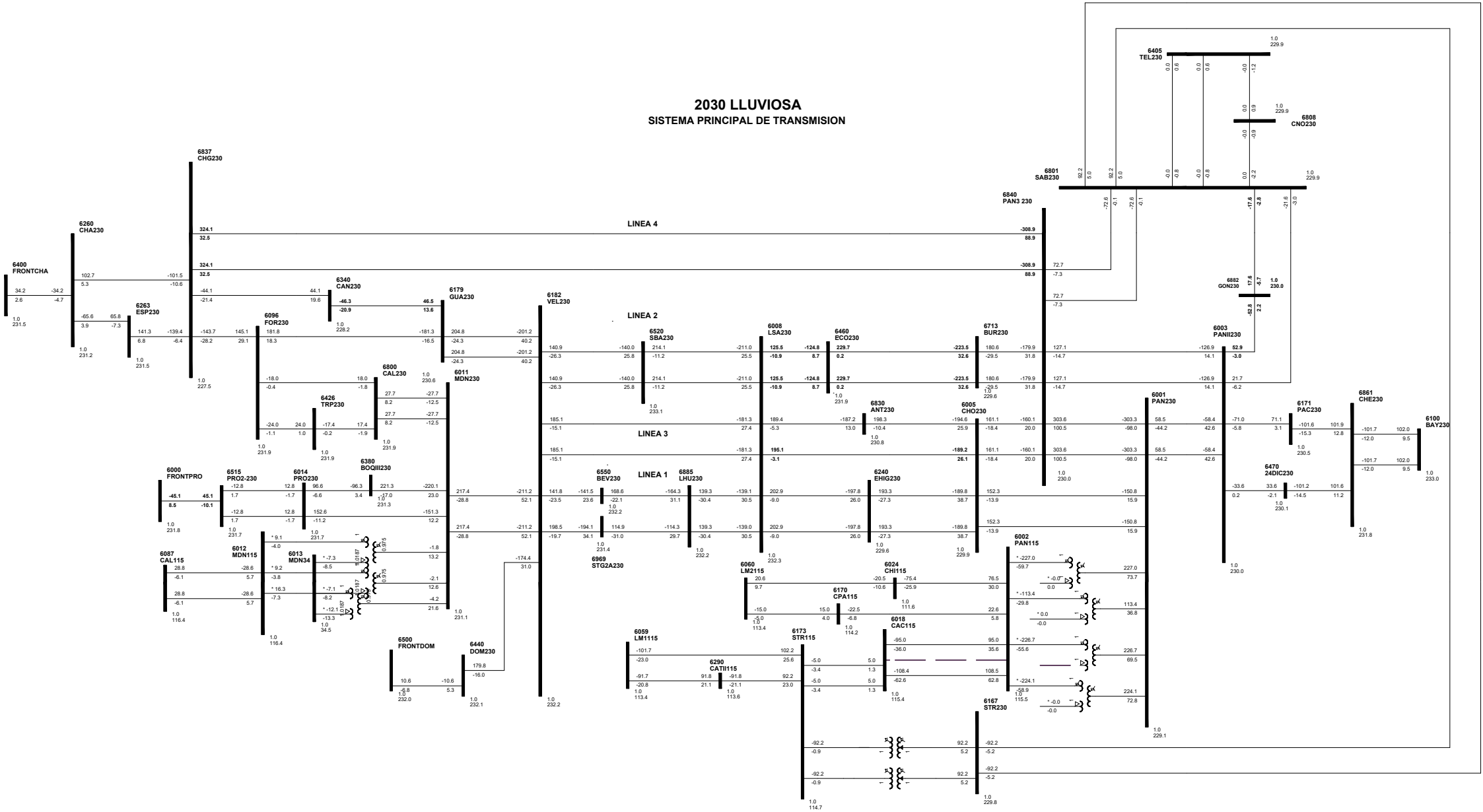
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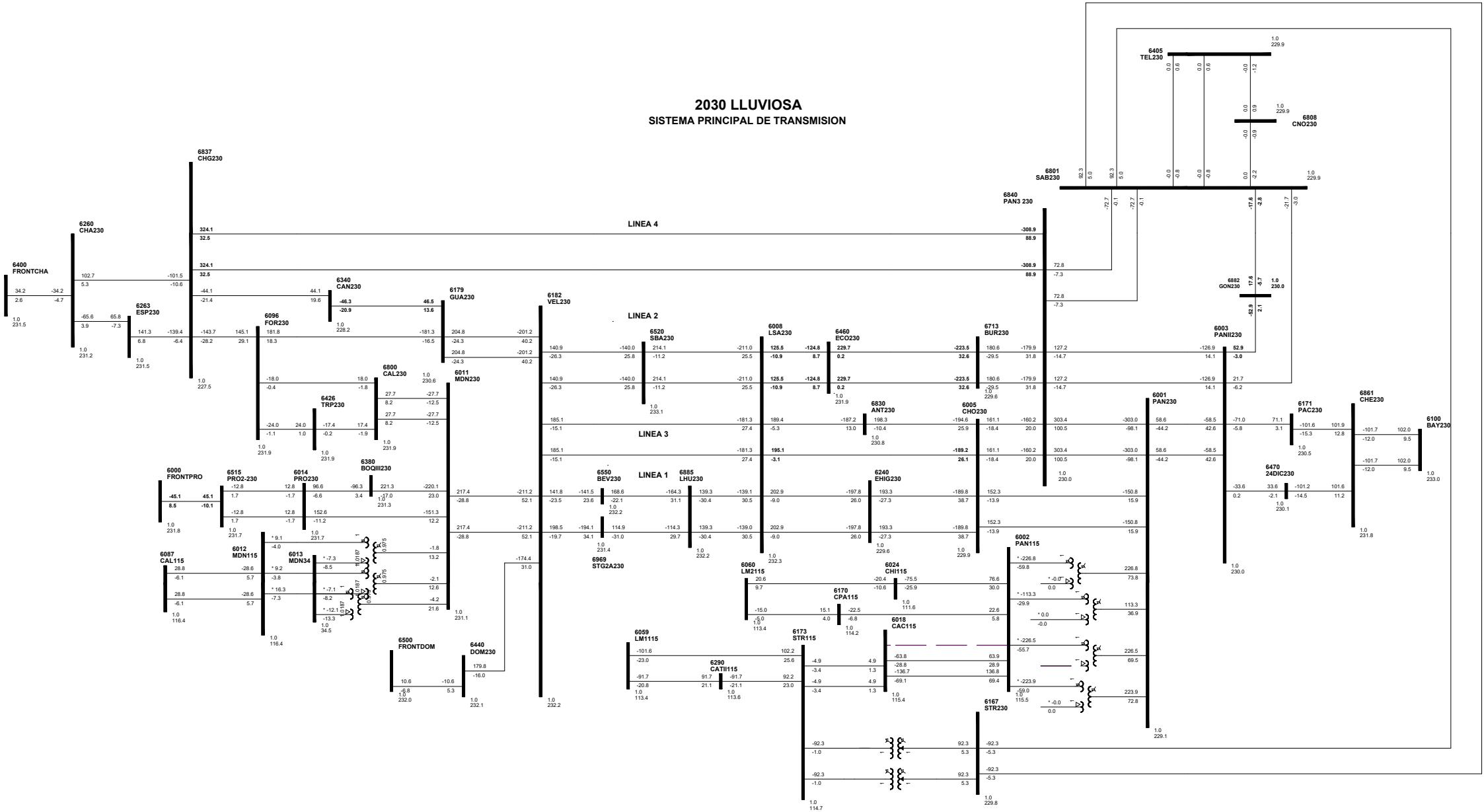
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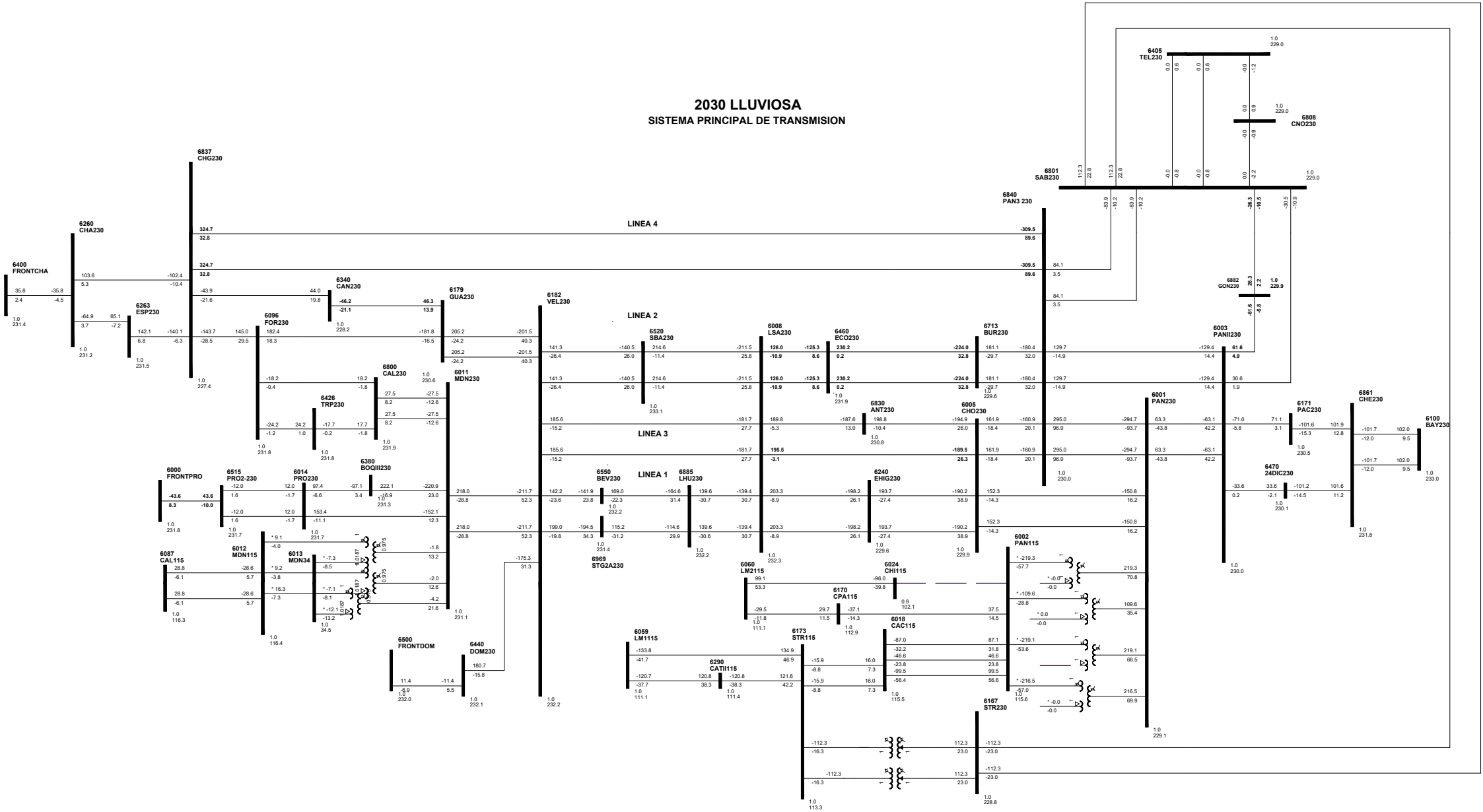
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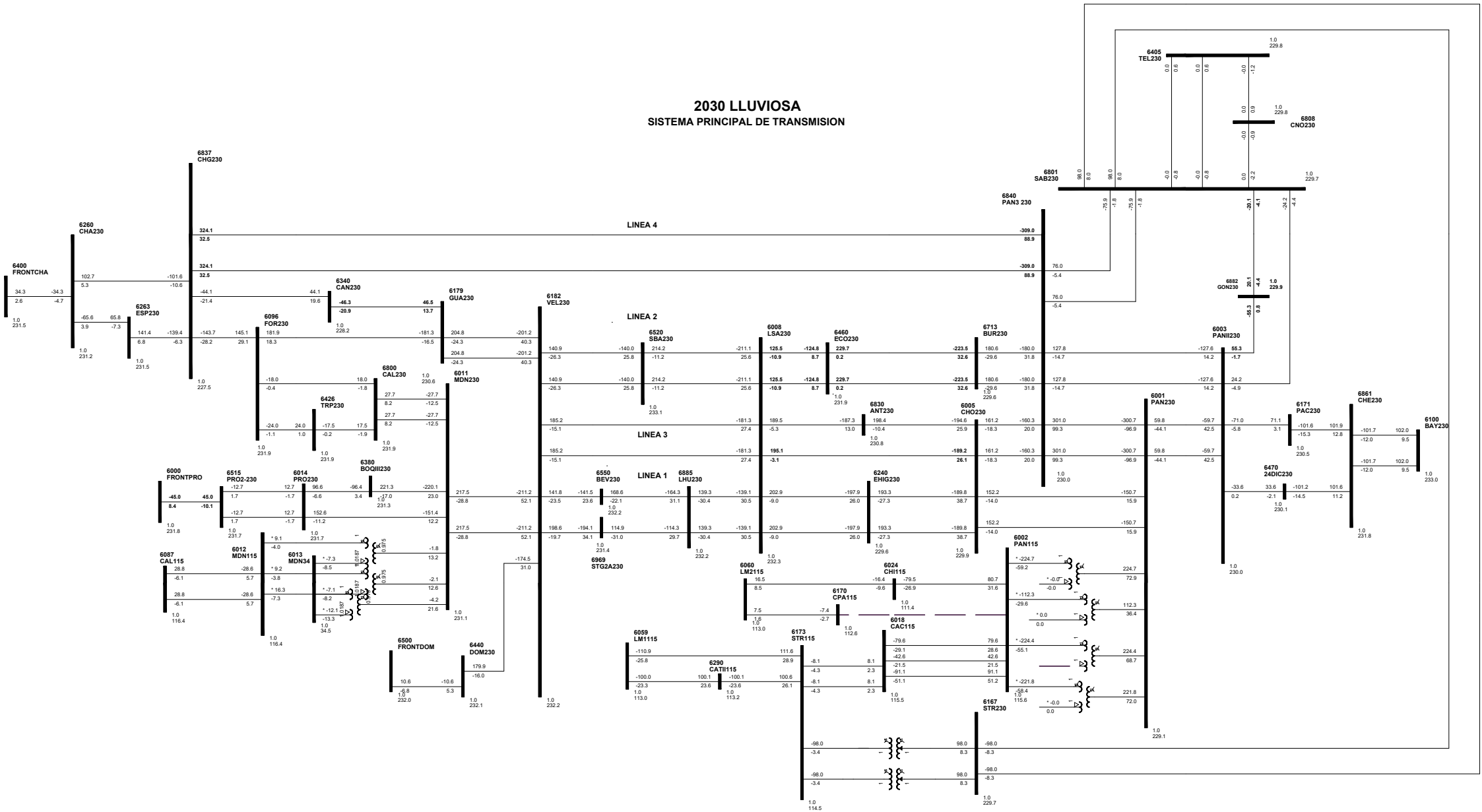
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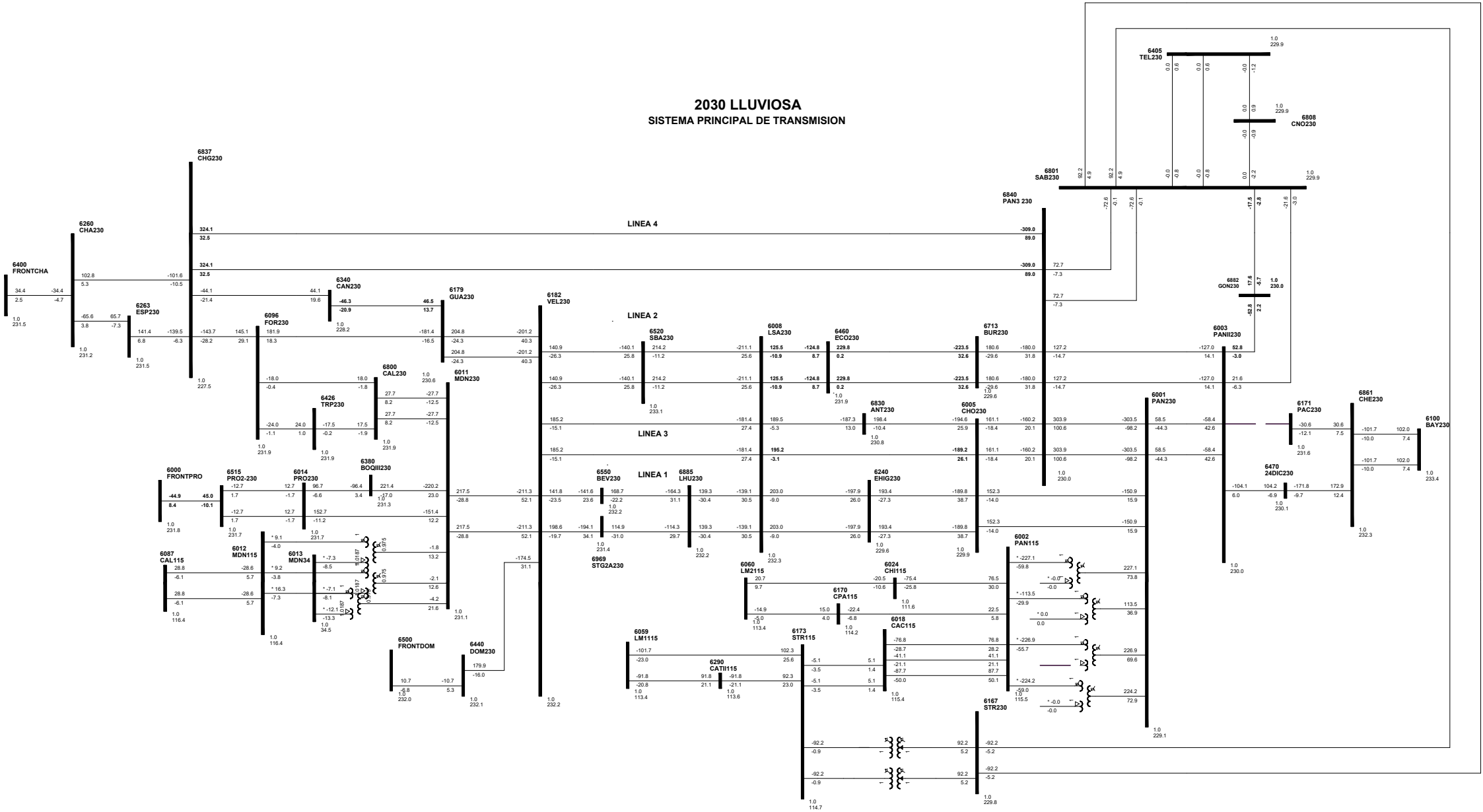
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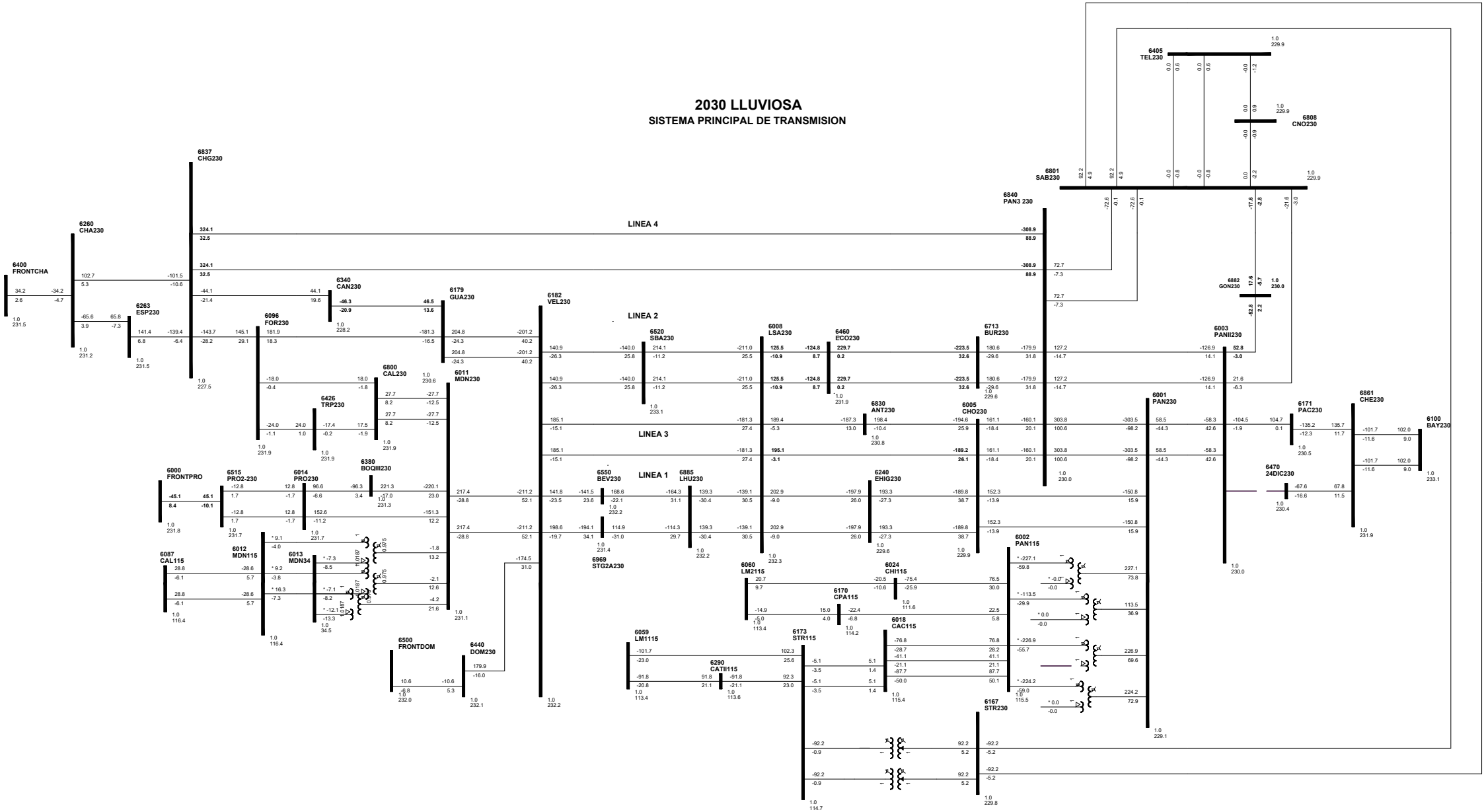
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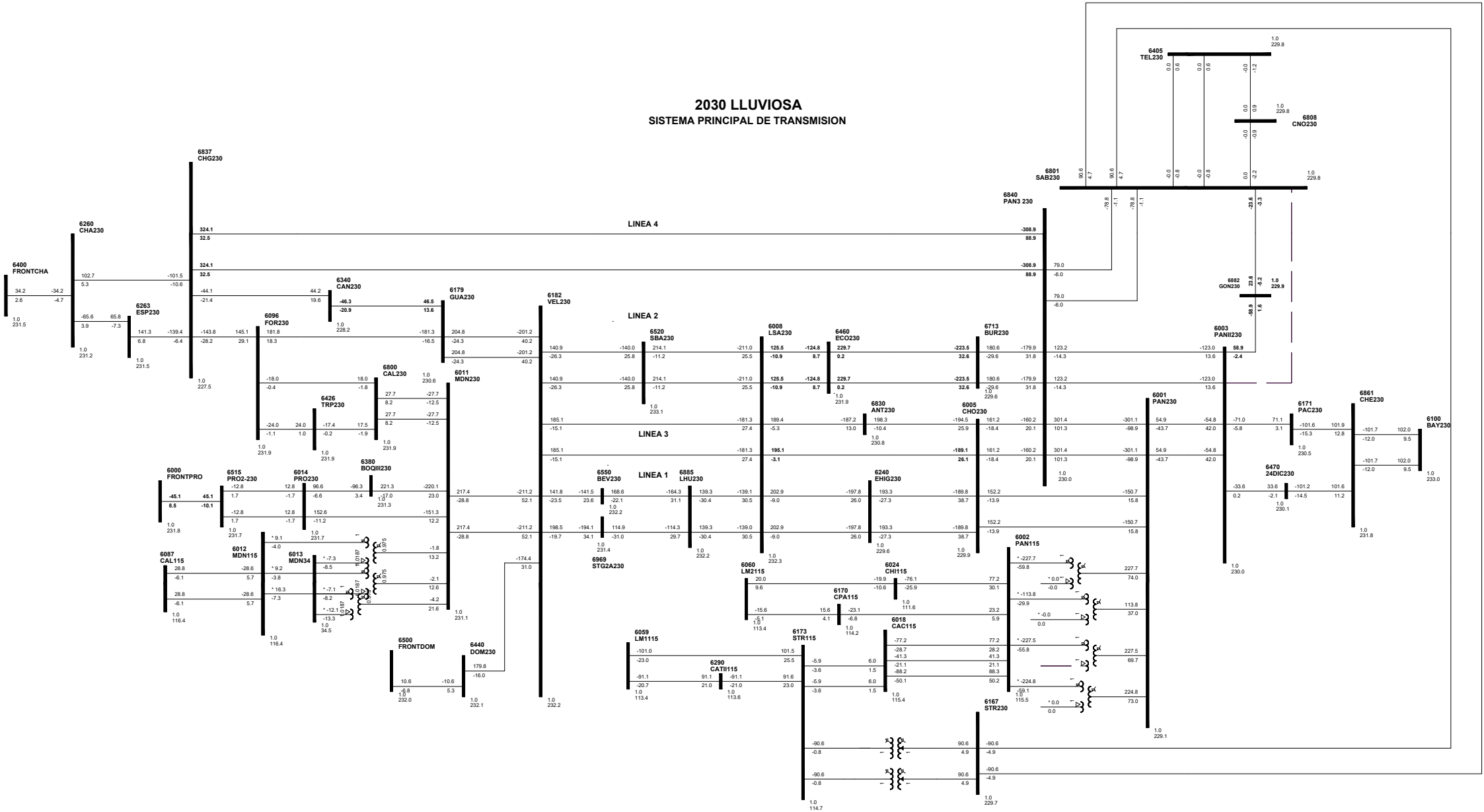
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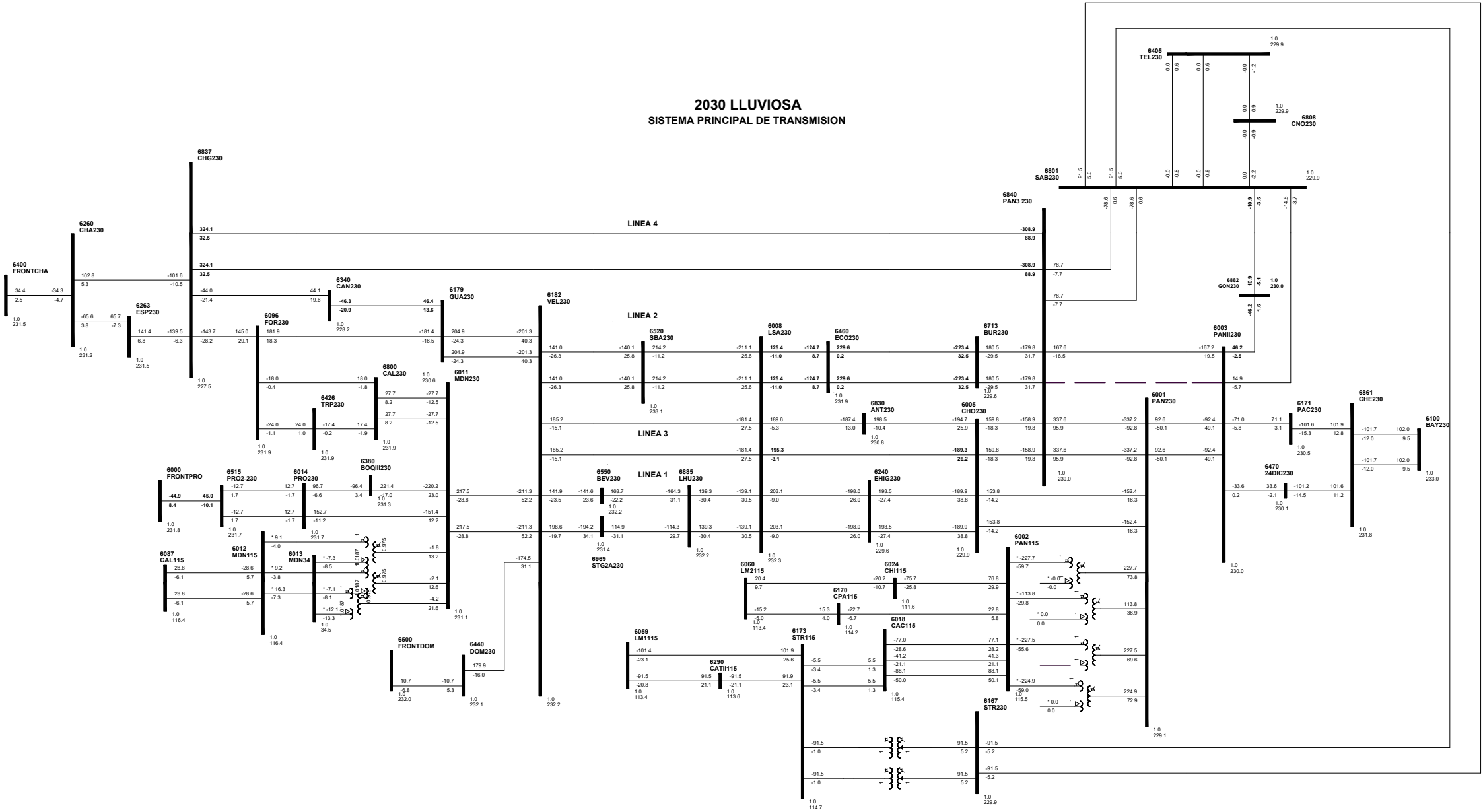
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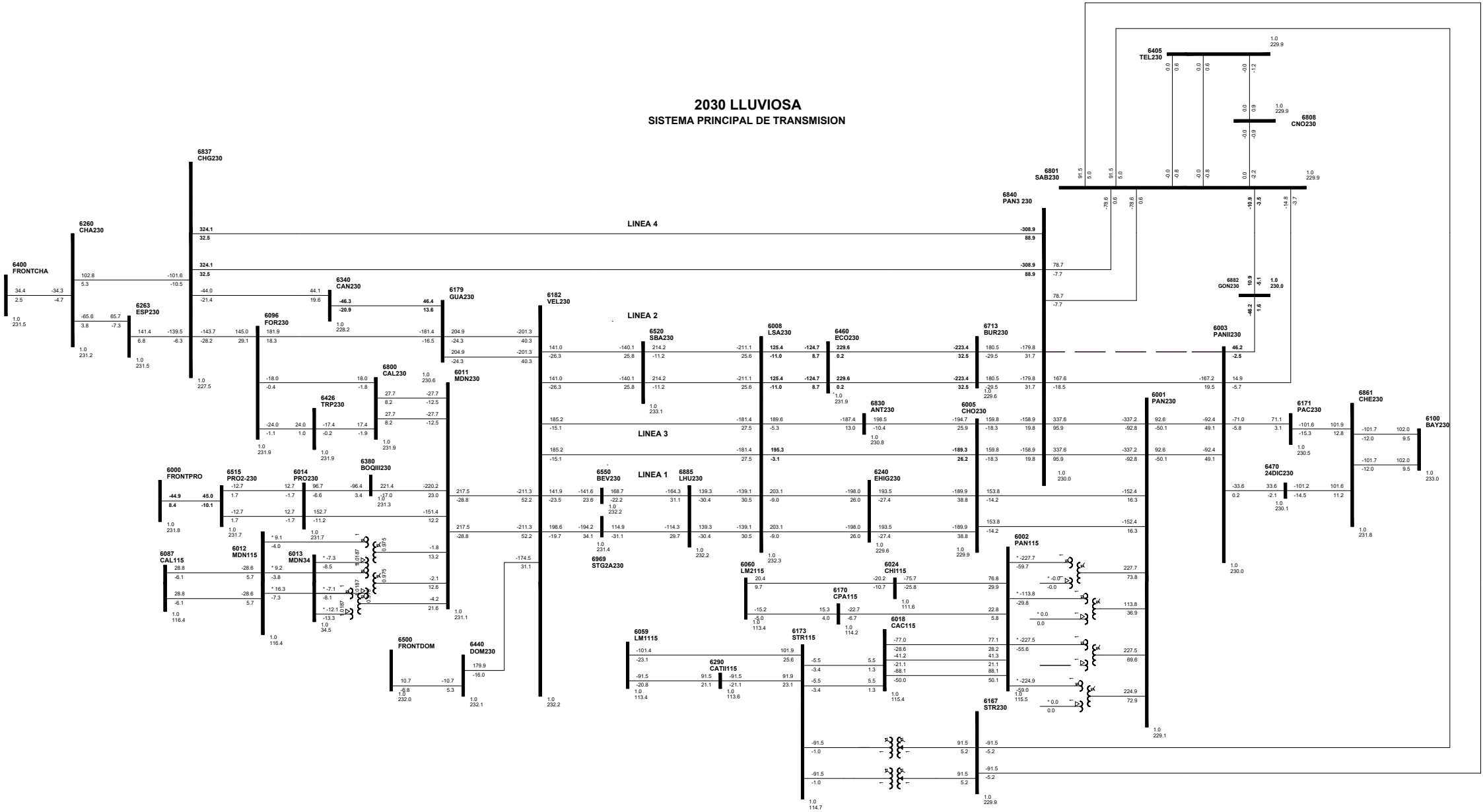
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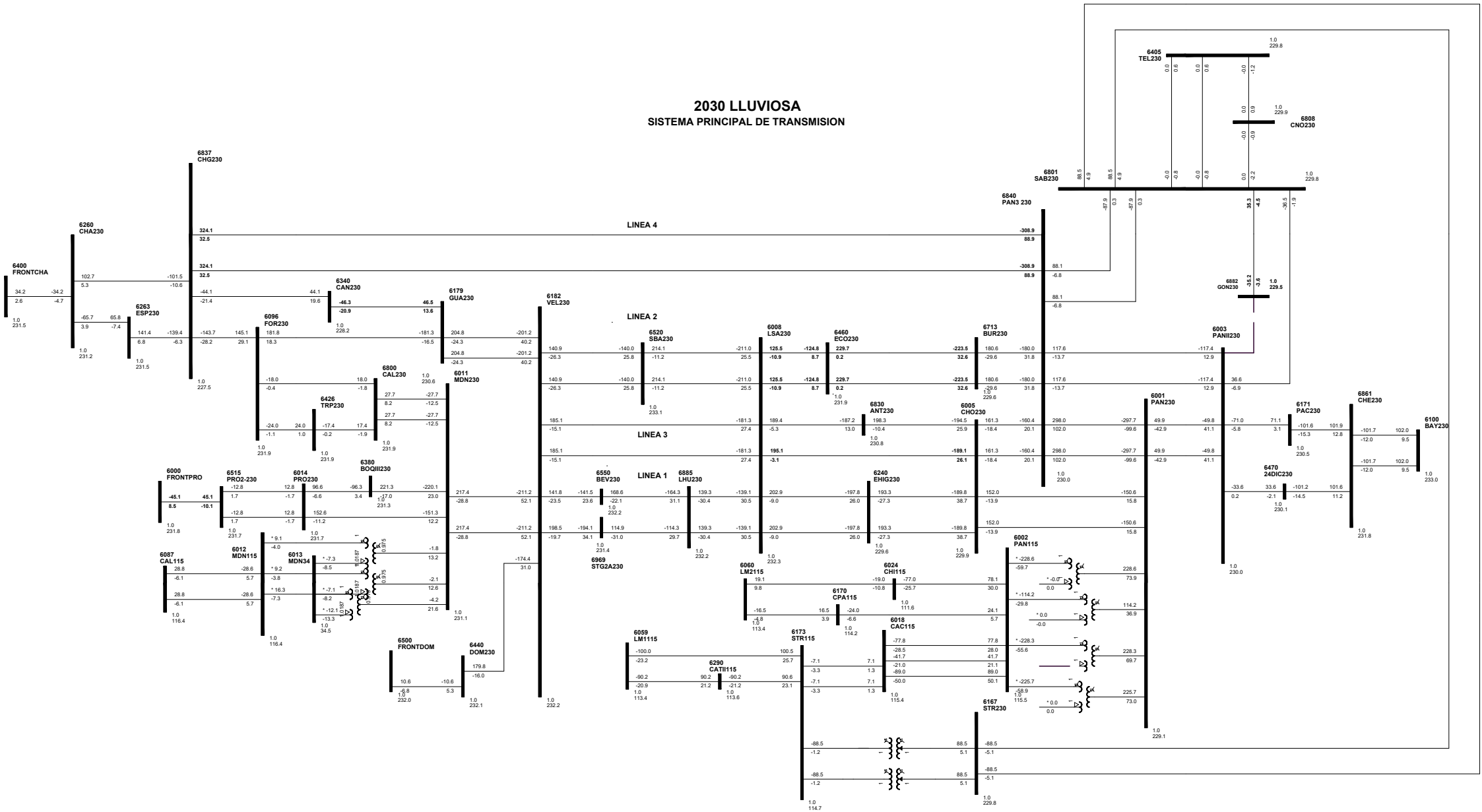
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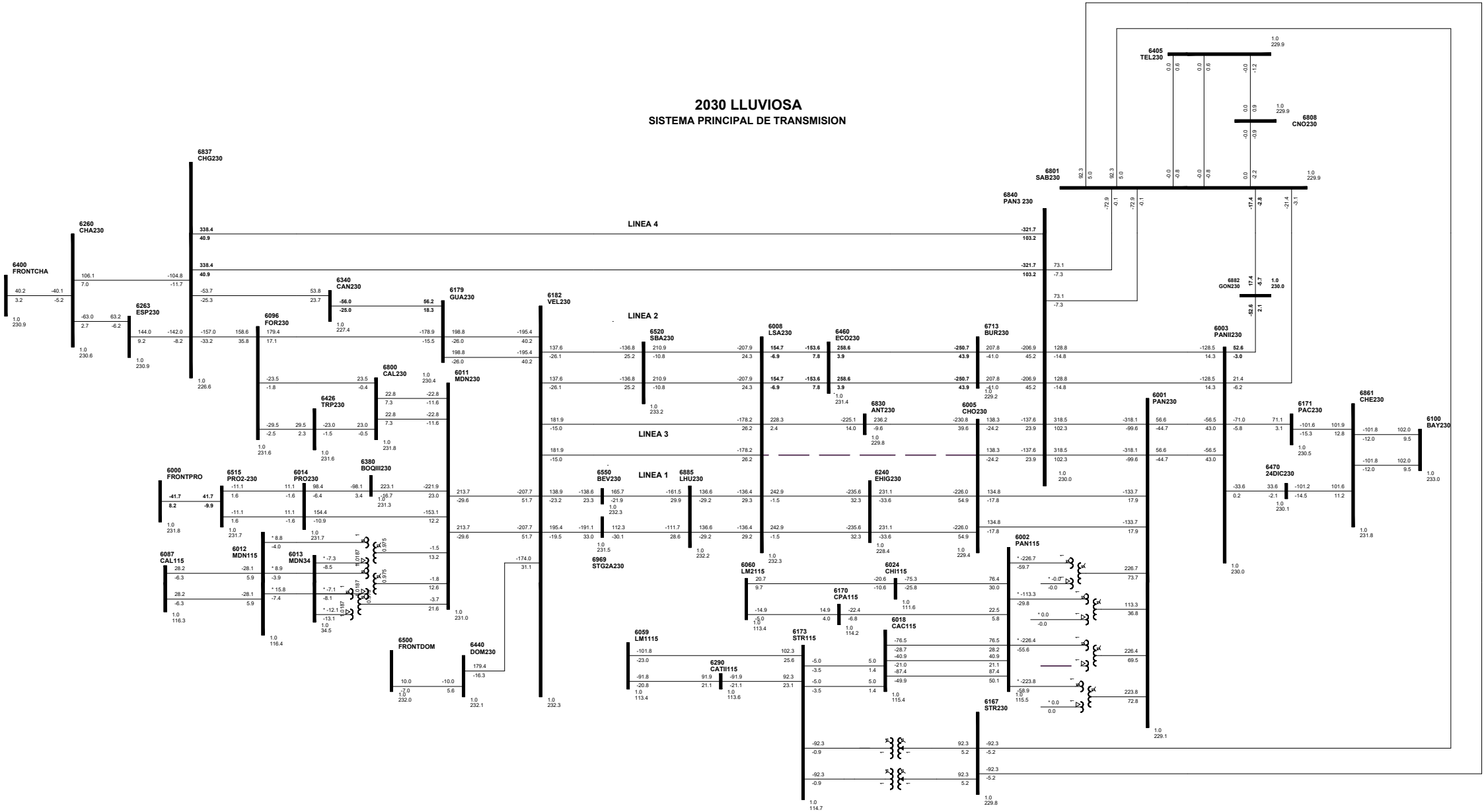
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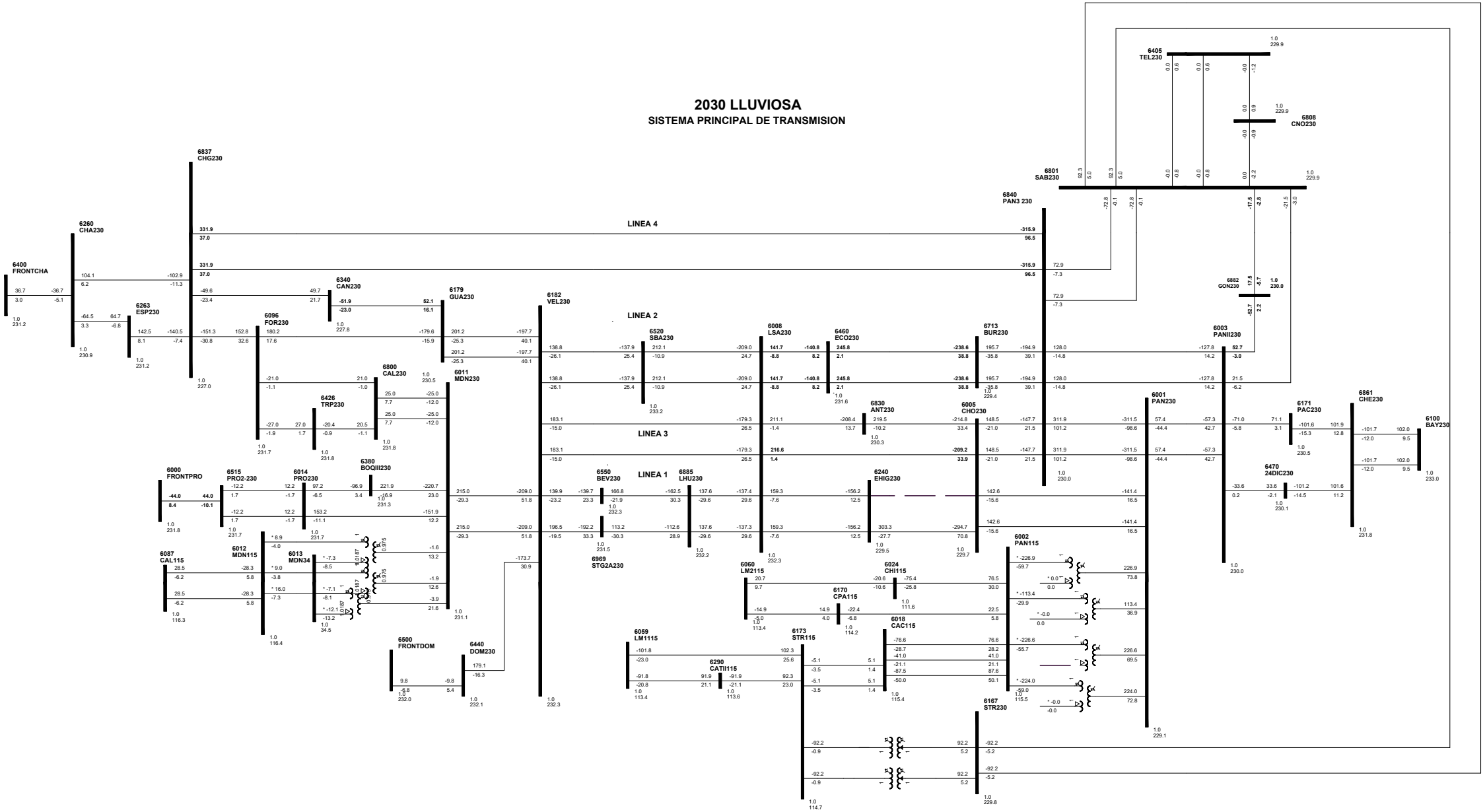
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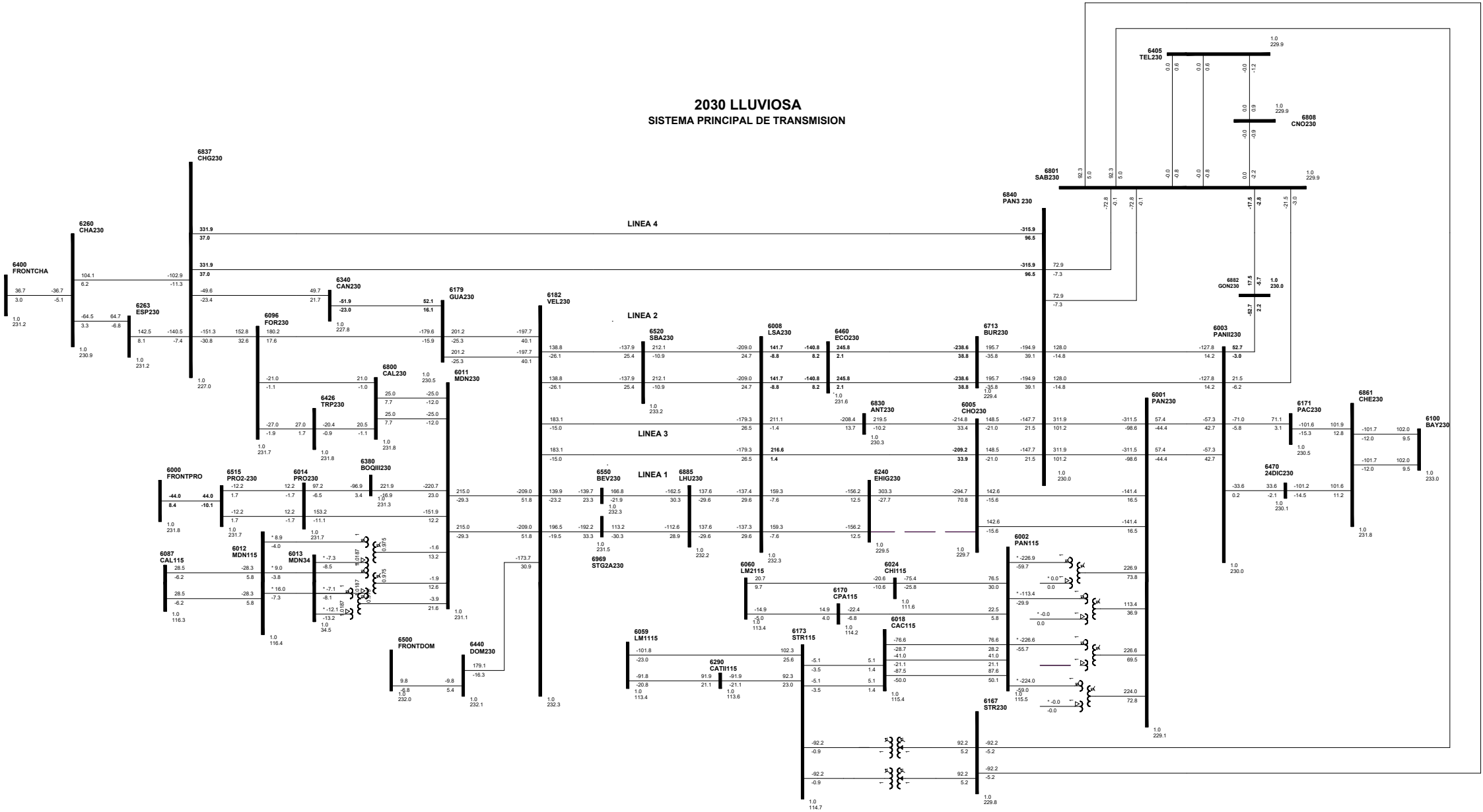
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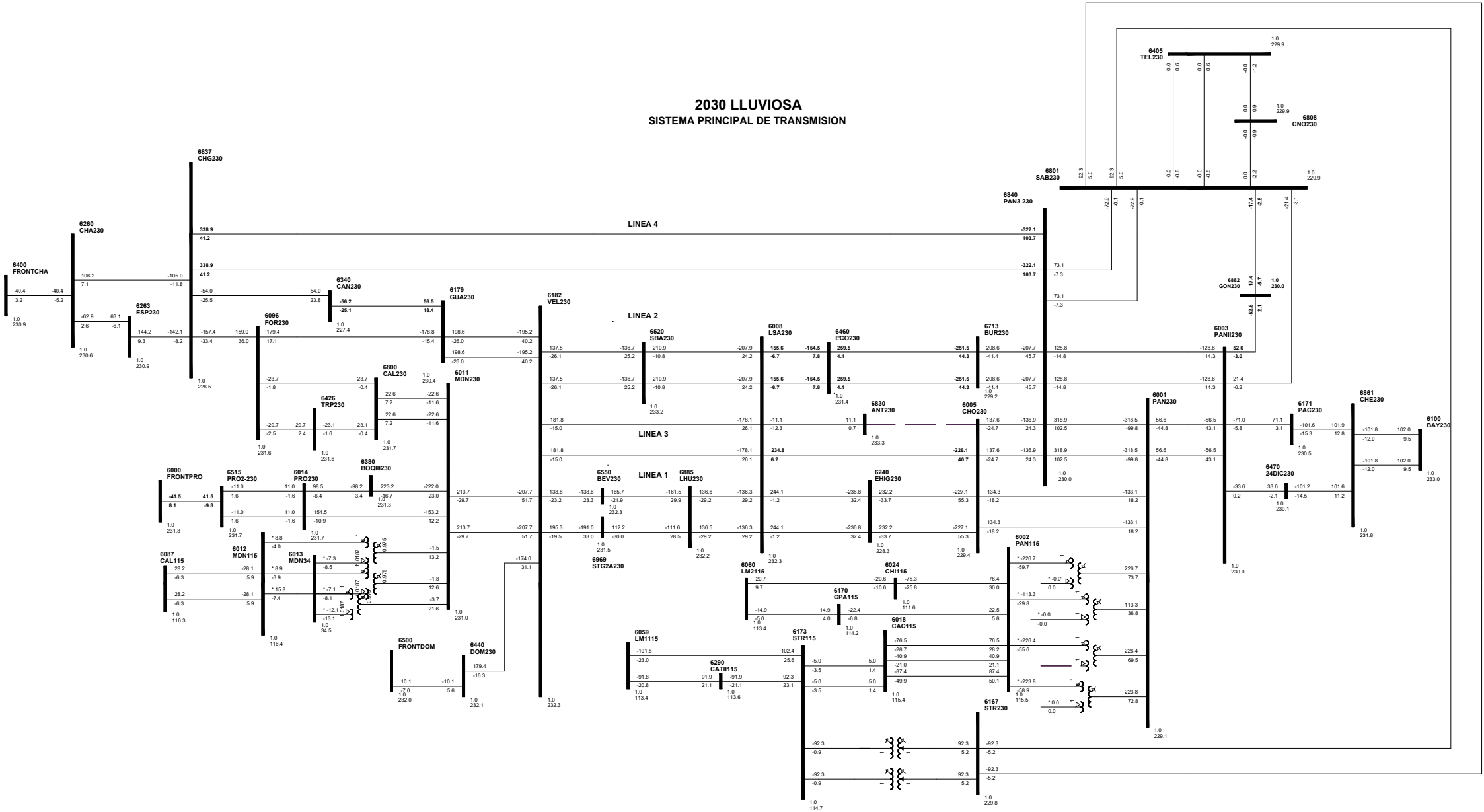
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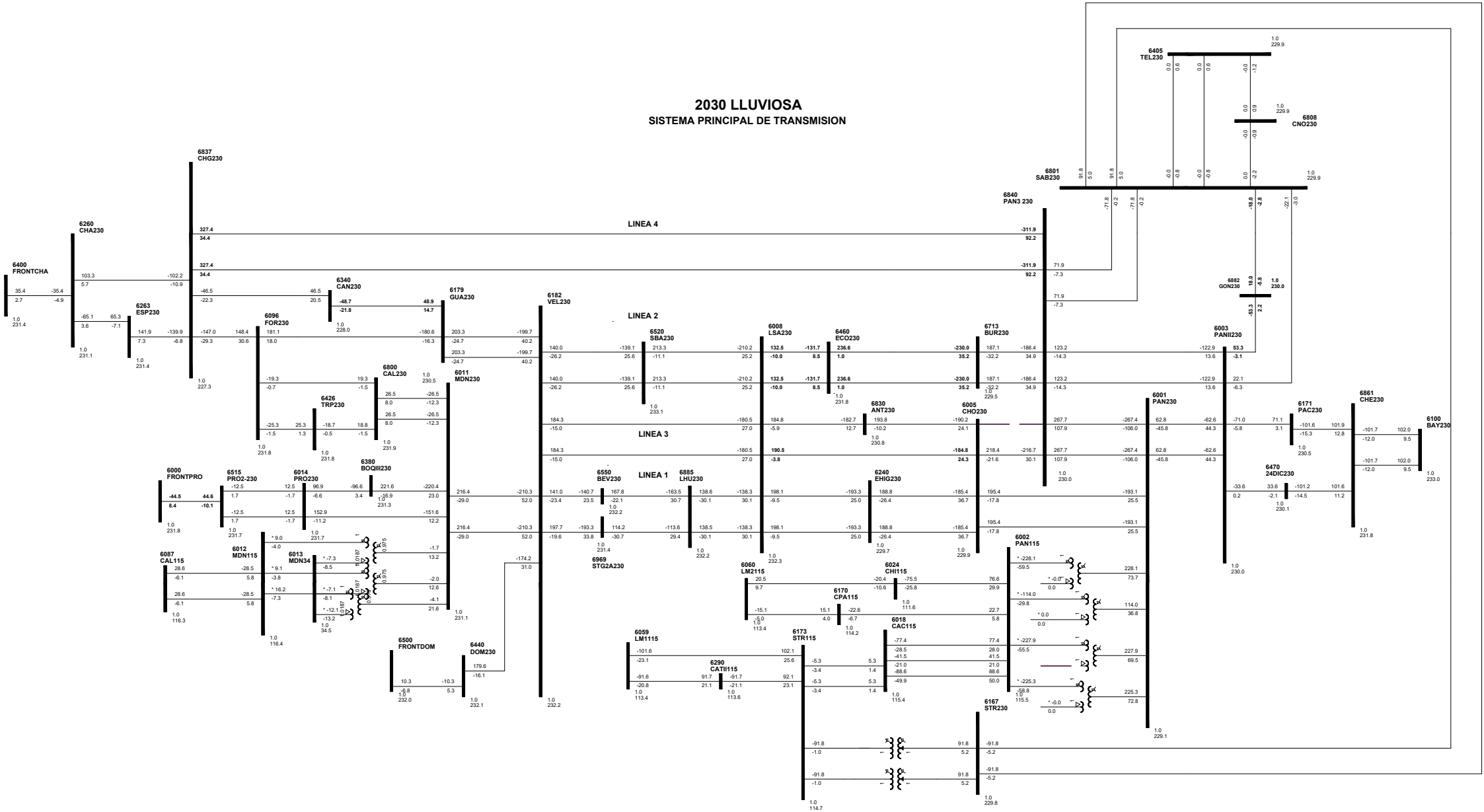


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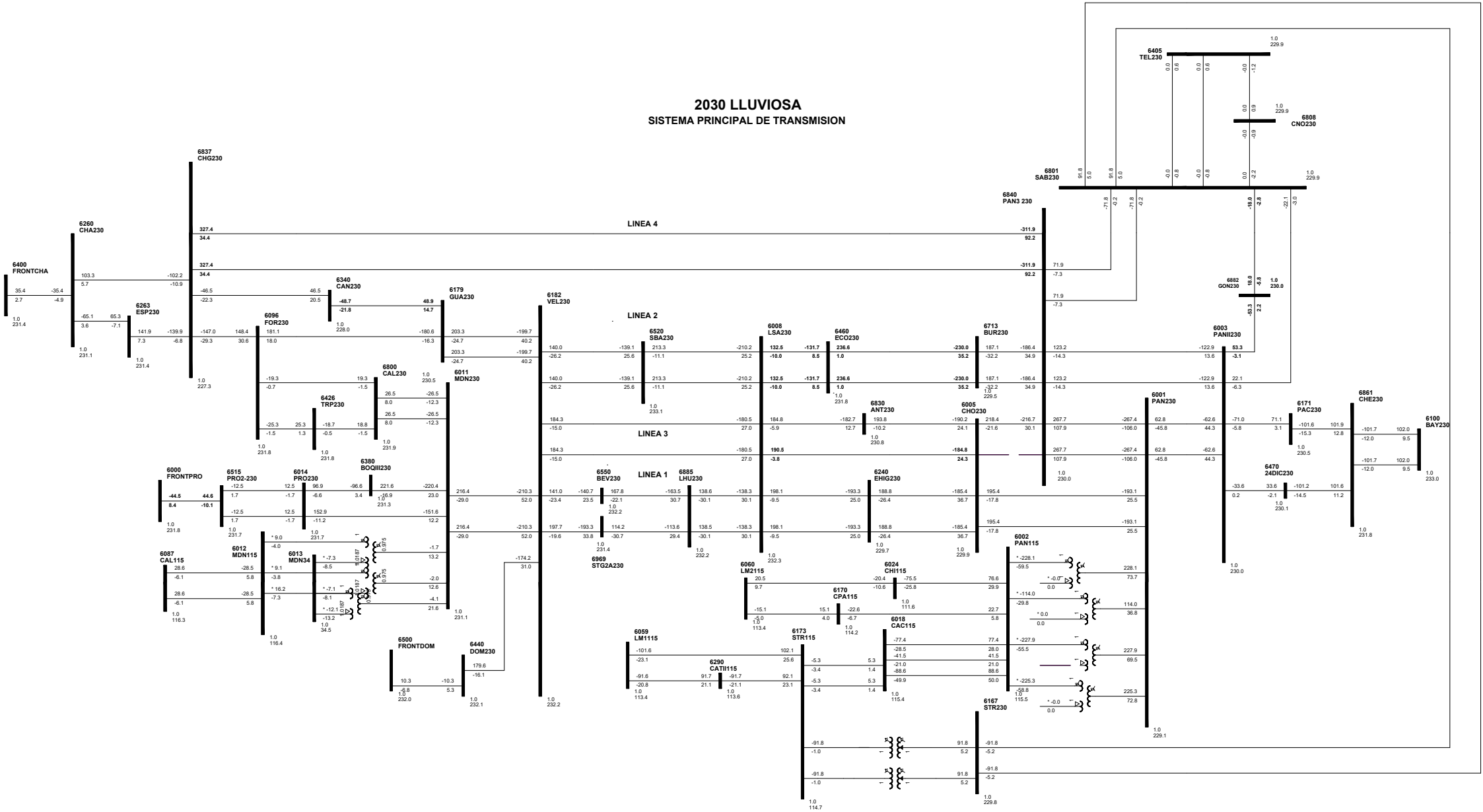


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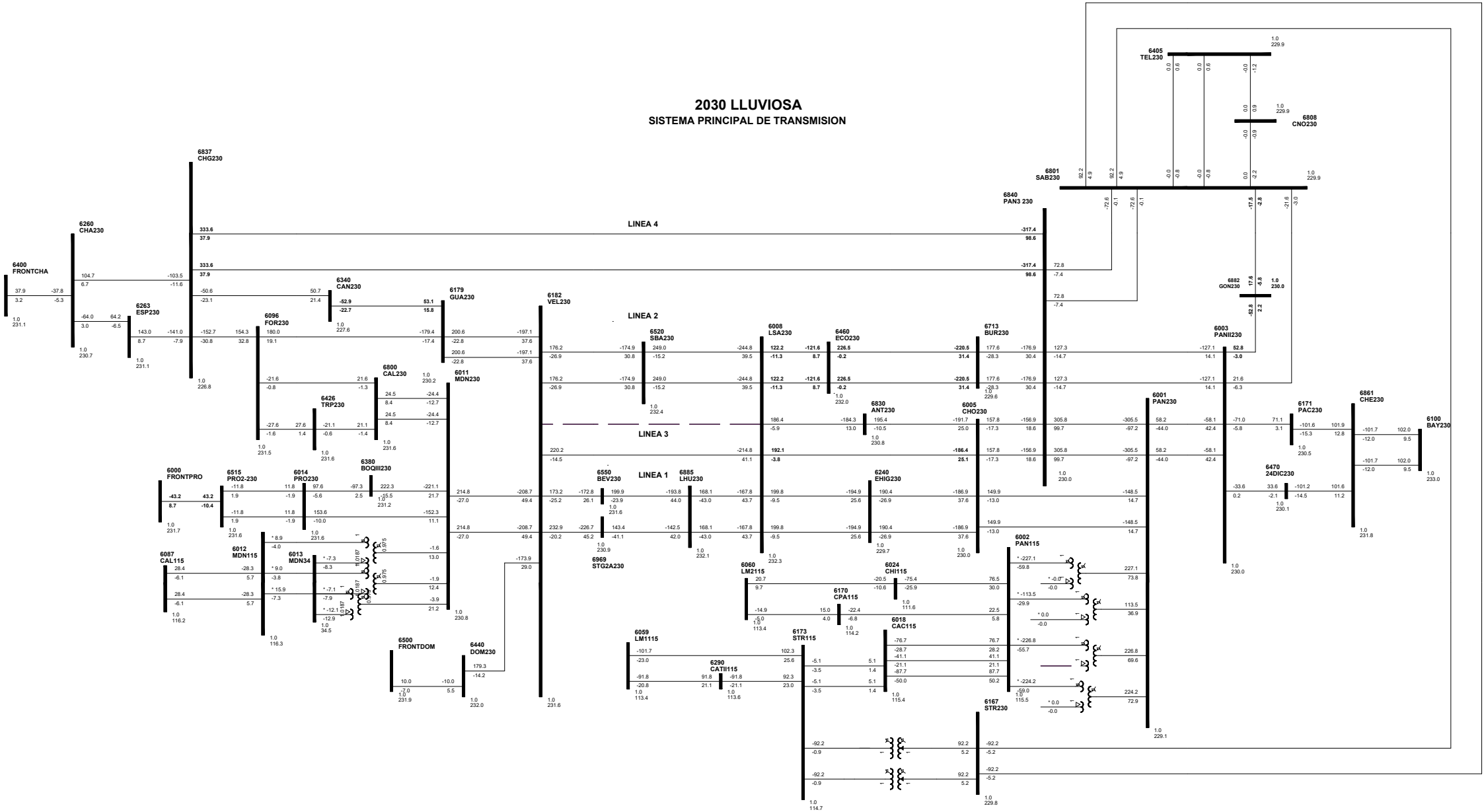



2030 LLUVIOSA
SISTEMA PRINCIPAL DE TRANSMISION
LINEA 1
LINEA 2
LINEA 3
LINEA 4
6400 FRONTCHA
6260 CHA230
6837 CHG230
6263 ESP230
6340 CAN230
6179 GUA230
6096 FOR230
6426 TRP230
6800 CAL230
6011 MDN230
6182 VEL230
6520 SBA230
6550 BEV230
6885 LHU230
6008 LSA230
6460 ECO230
6830 ANT230
6713 BUR230
6005 CHO230
6240 EHIG230
6840 PAN3 230
6801 SAB230
6405 TEL230
6808 CNO230
6882 GON230
6003 PANII230
6001 PAN230
6002 PAN115
6171 PAC230
6861 CHE230
6100 BAY230
6470 24DIC230
6000 FRONTPRO
6515 PRO2-230
6014 PRO230
6380 BOQIII230
6087 CAL115
6012 MDN115
6013 MDN34
6500 FRONTDOM
6440 DOM230
6969 STG2A230
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6170 CPA115
6018 CAC115
6059 LM1115
6290 CATII115
6173 STR115
6167 STR230

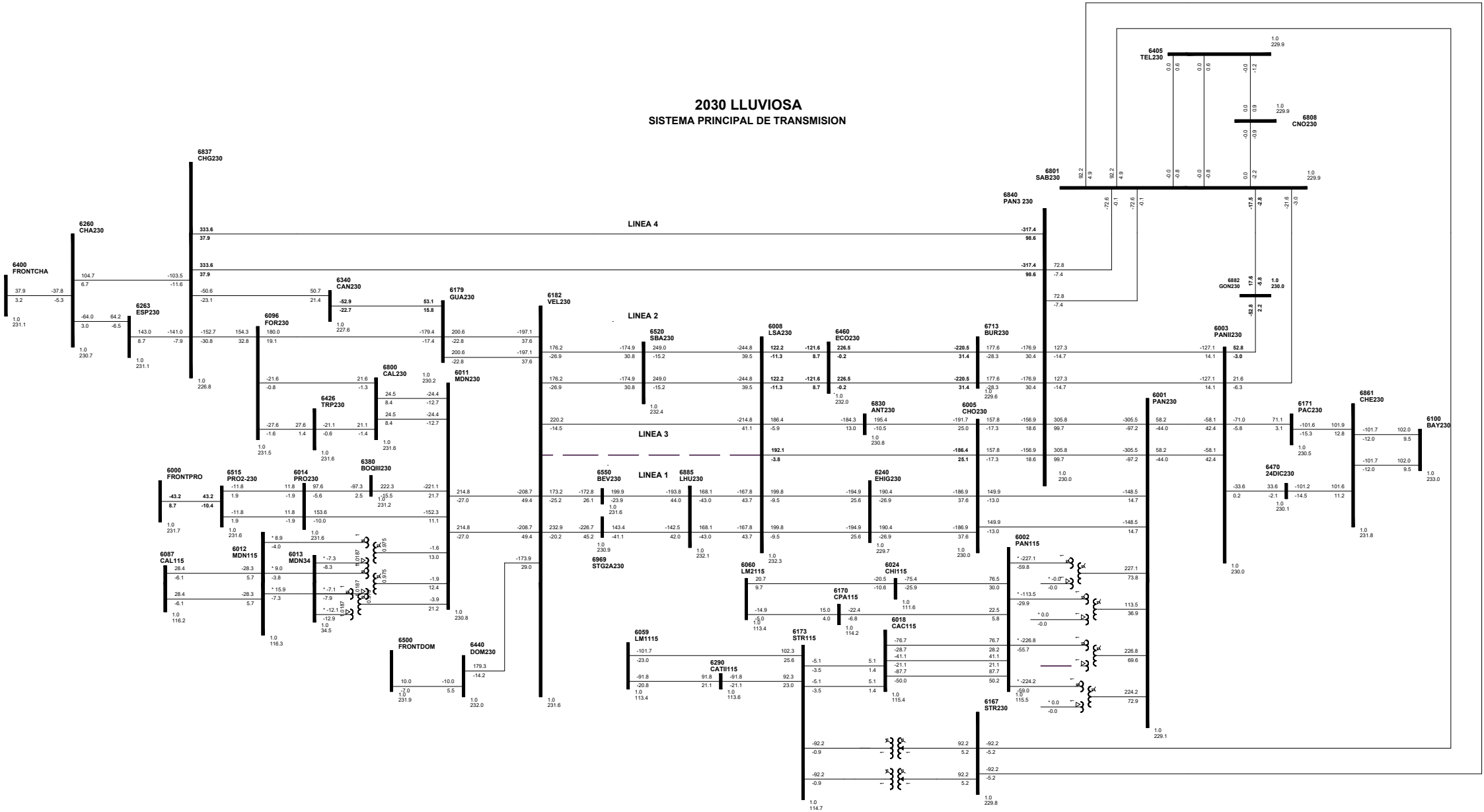
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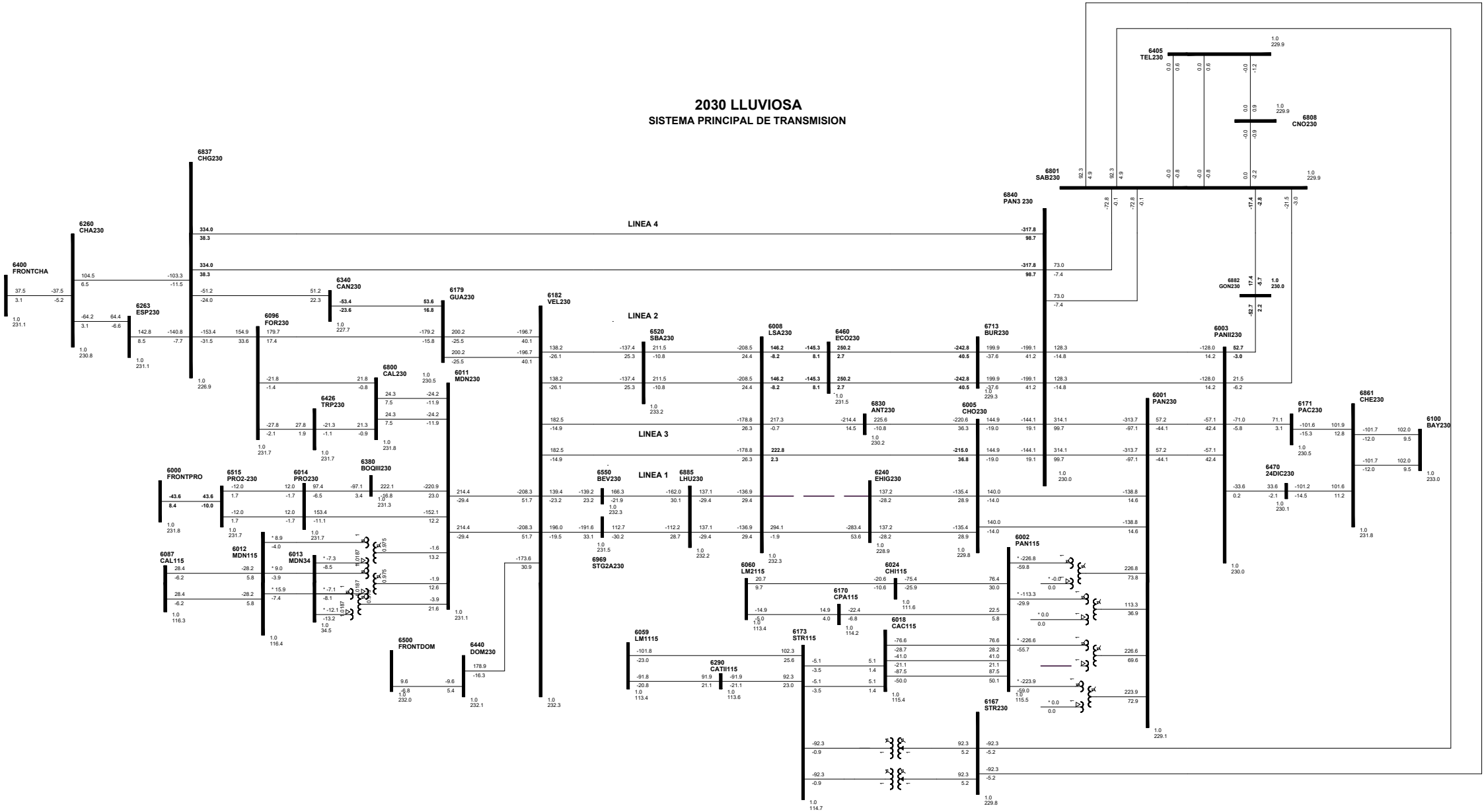
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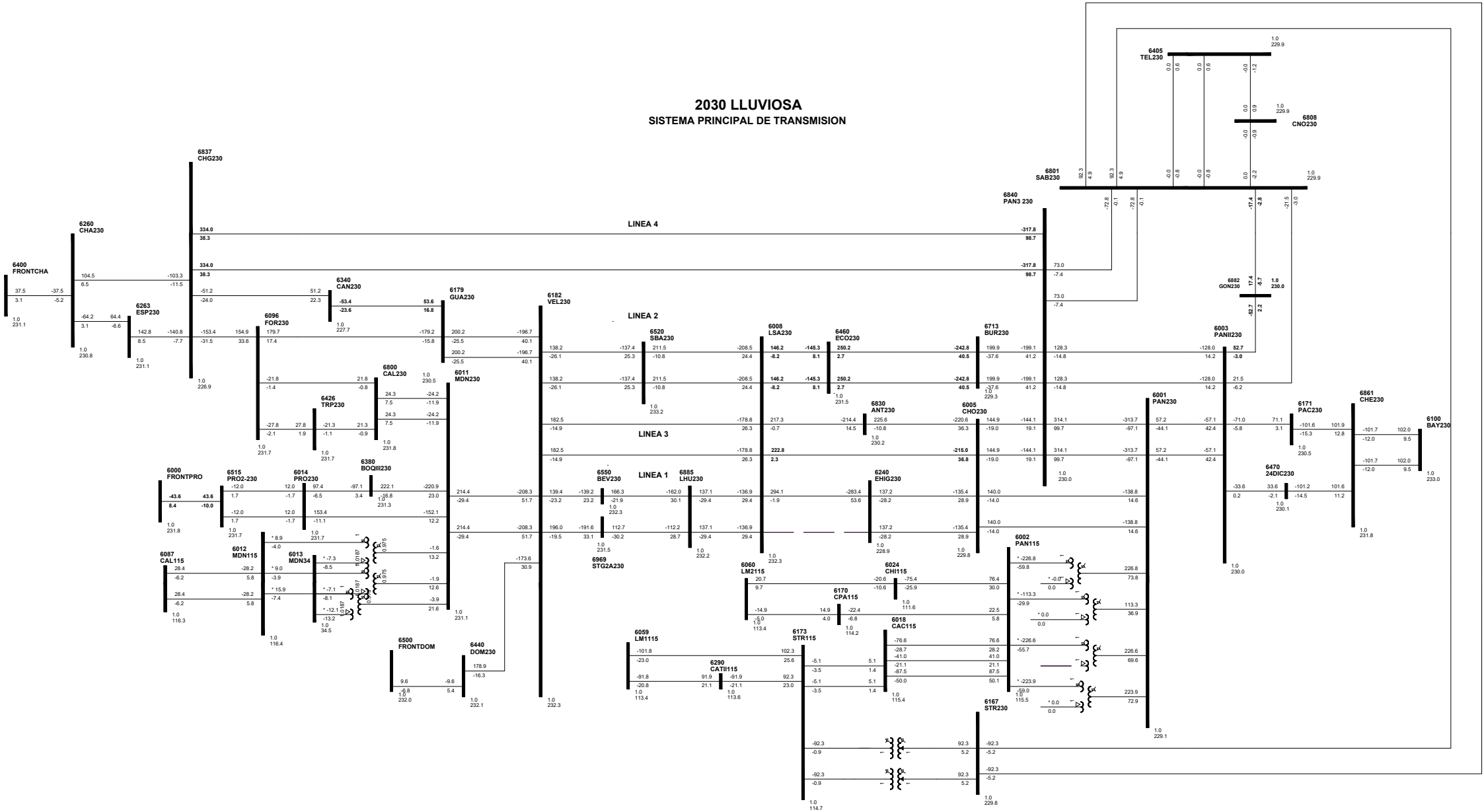
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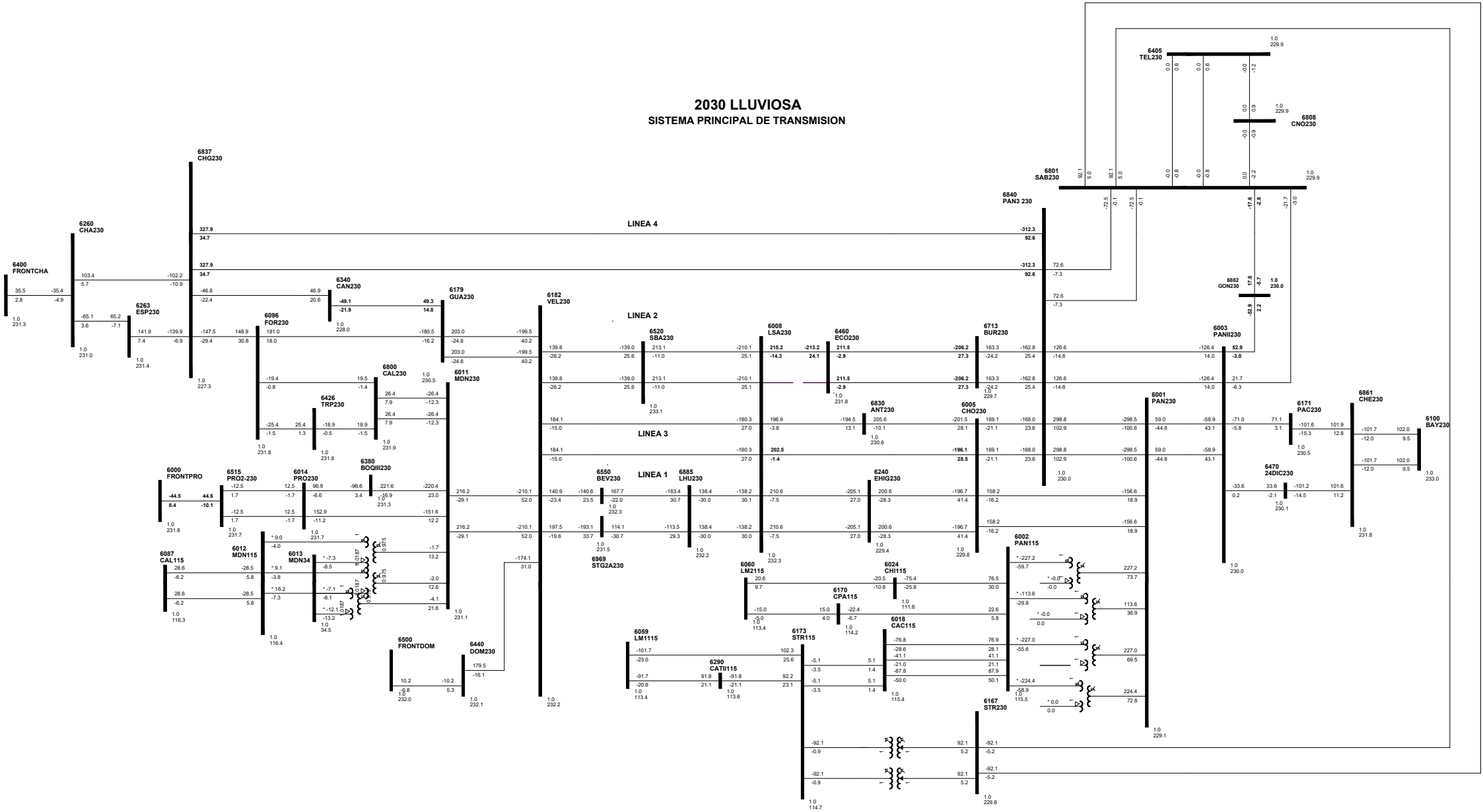


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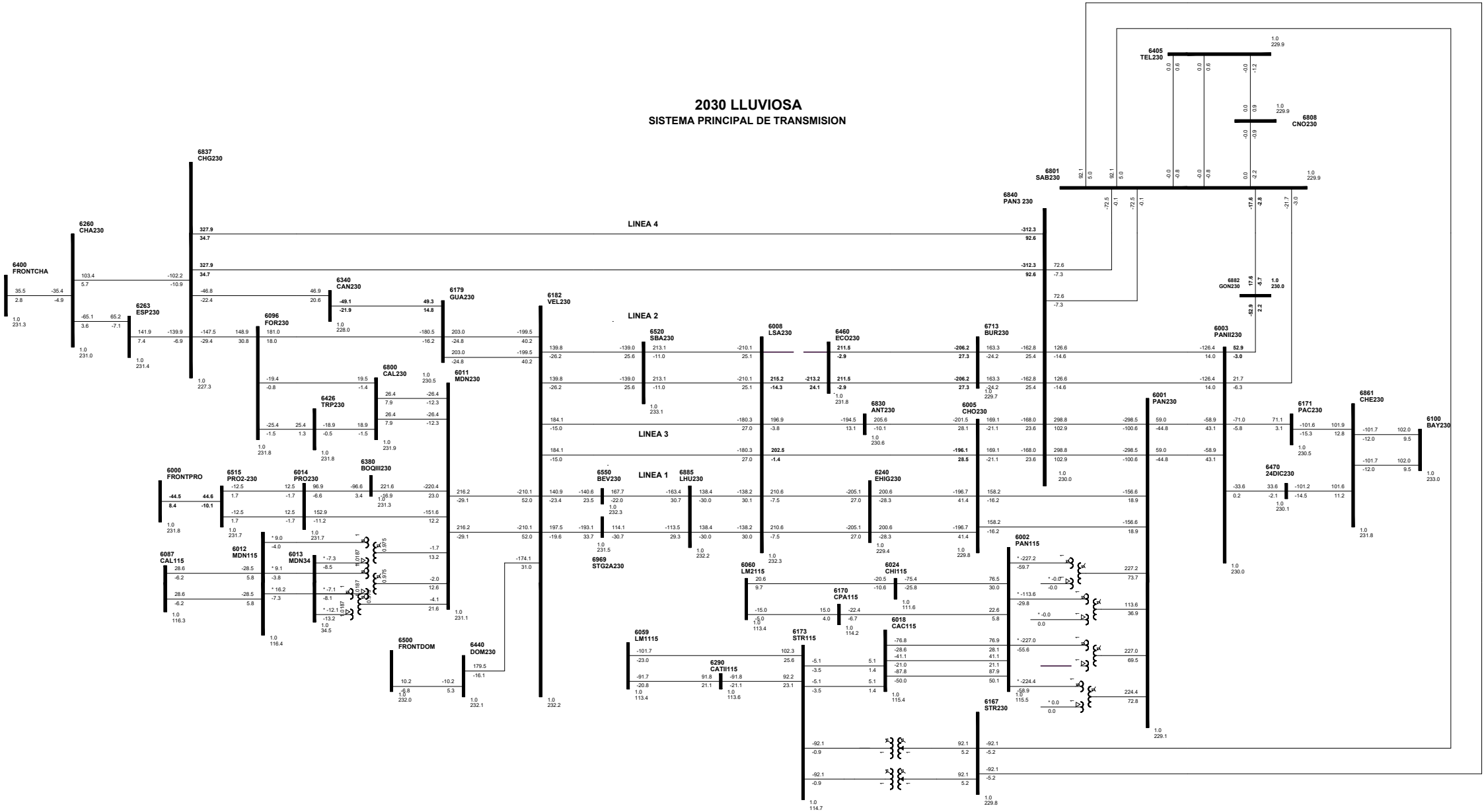


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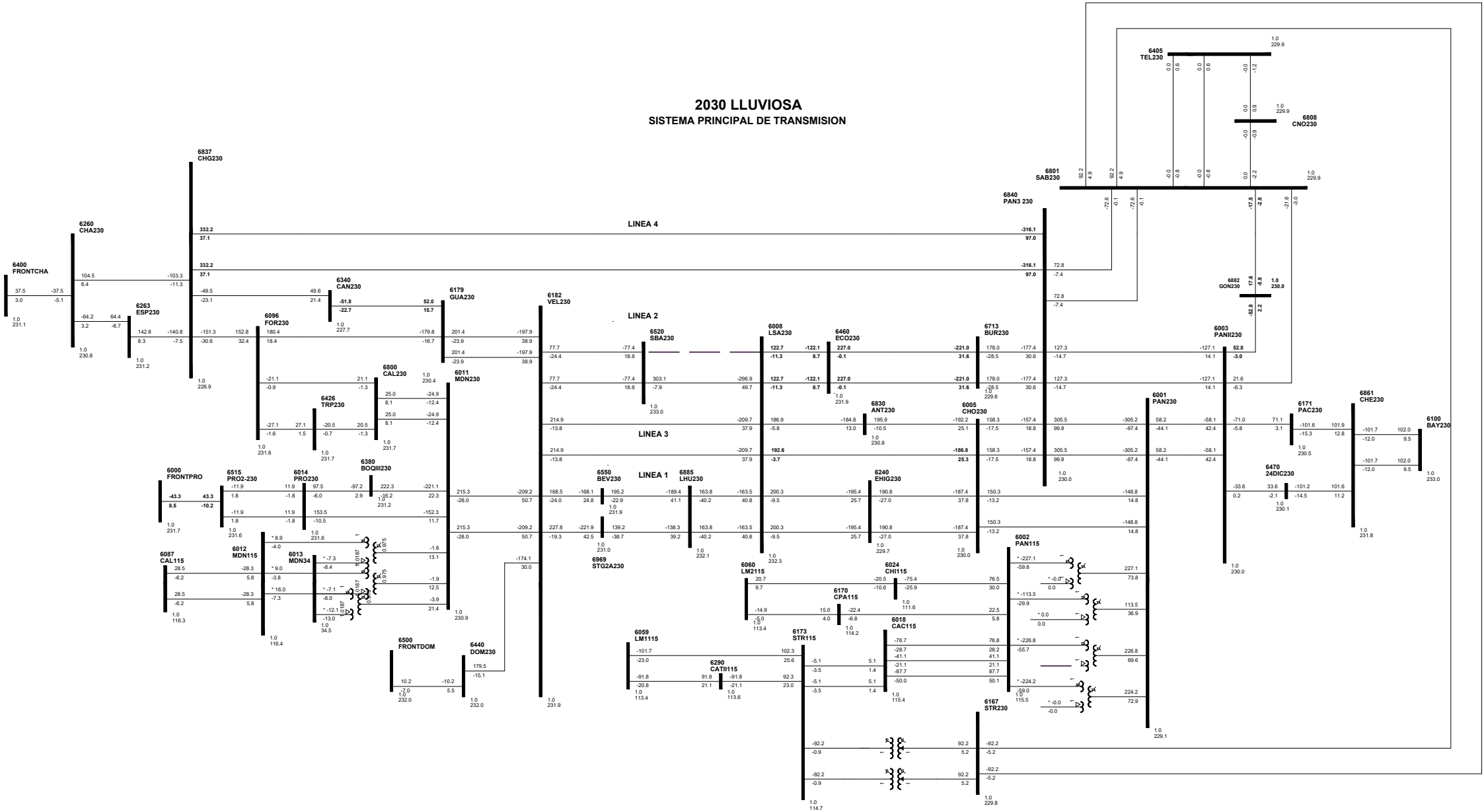



2030 LLUVIOSA
SISTEMA PRINCIPAL DE TRANSMISION
6400 FRONTCHA
6260 CHA230
6837 CHG230
6263 ESP230
6340 CAN230
6179 GUA230
6096 FOR230
6426 TRP230
6800 CAL230
6011 MDN230
6182 VEL230
6520 SBA230
6008 LSA230
6460 ECO230
6713 BUR230
6840 PAN3 230
6801 SAB230
6405 TEL230
6808 CNO230
6882 GON230
6003 PANII230
6001 PAN230
6171 PAC230
6861 CHE230
6100 BAY230
6470 24DIC230
6830 ANT230
6005 CHO230
6240 EHIG230
6550 BEV230
6885 LHU230
6969 STG2A230
6000 FRONTPRO
6515 PRO2-230
6014 PRO230
6380 BOQIII230
6087 CAL115
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6500 FRONTDOM
6440 DOM230
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6170 CPA115
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6018 CAC115
6167 STR230
6002 PAN115
LINEA 1
LINEA 2
LINEA 3
LINEA 4

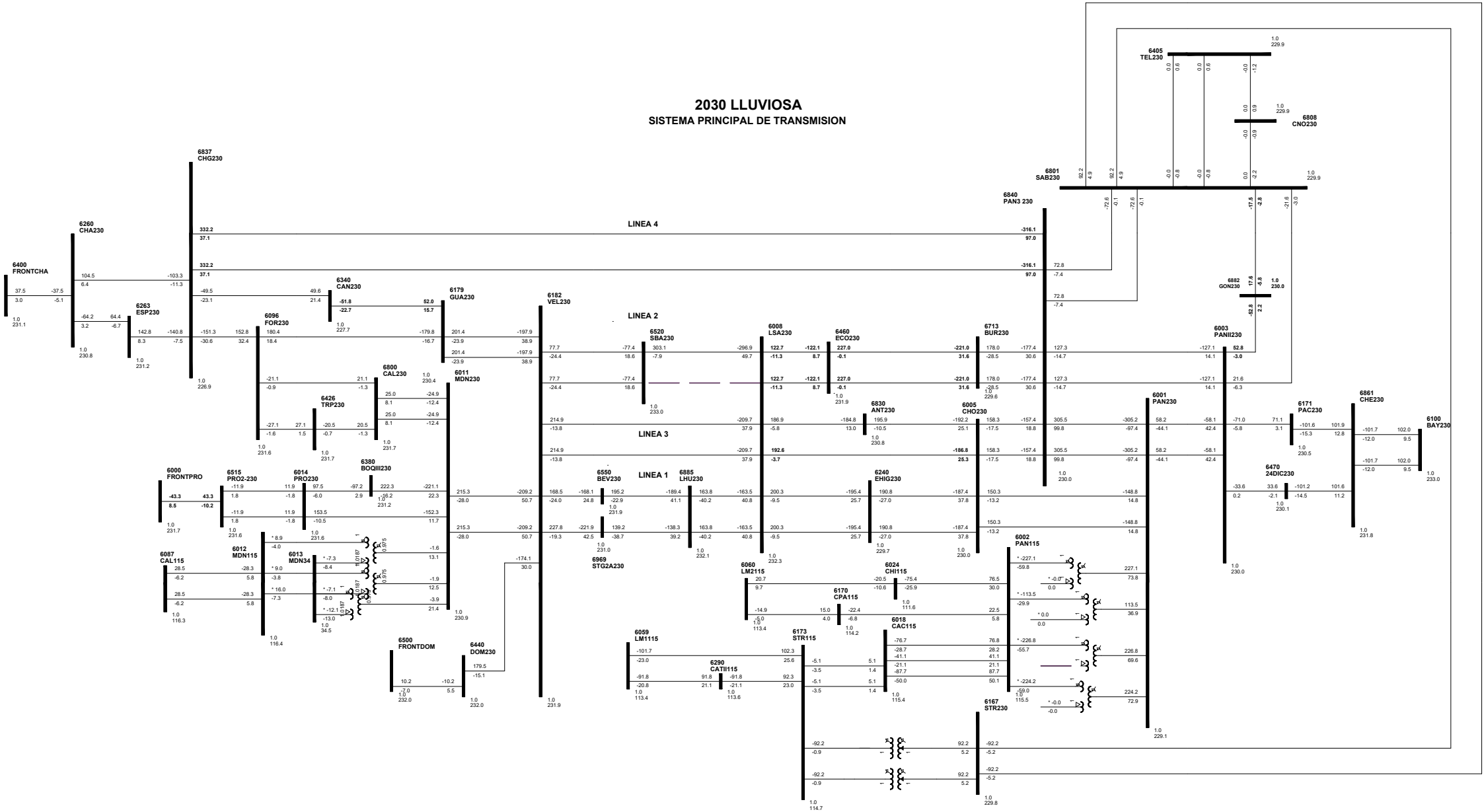
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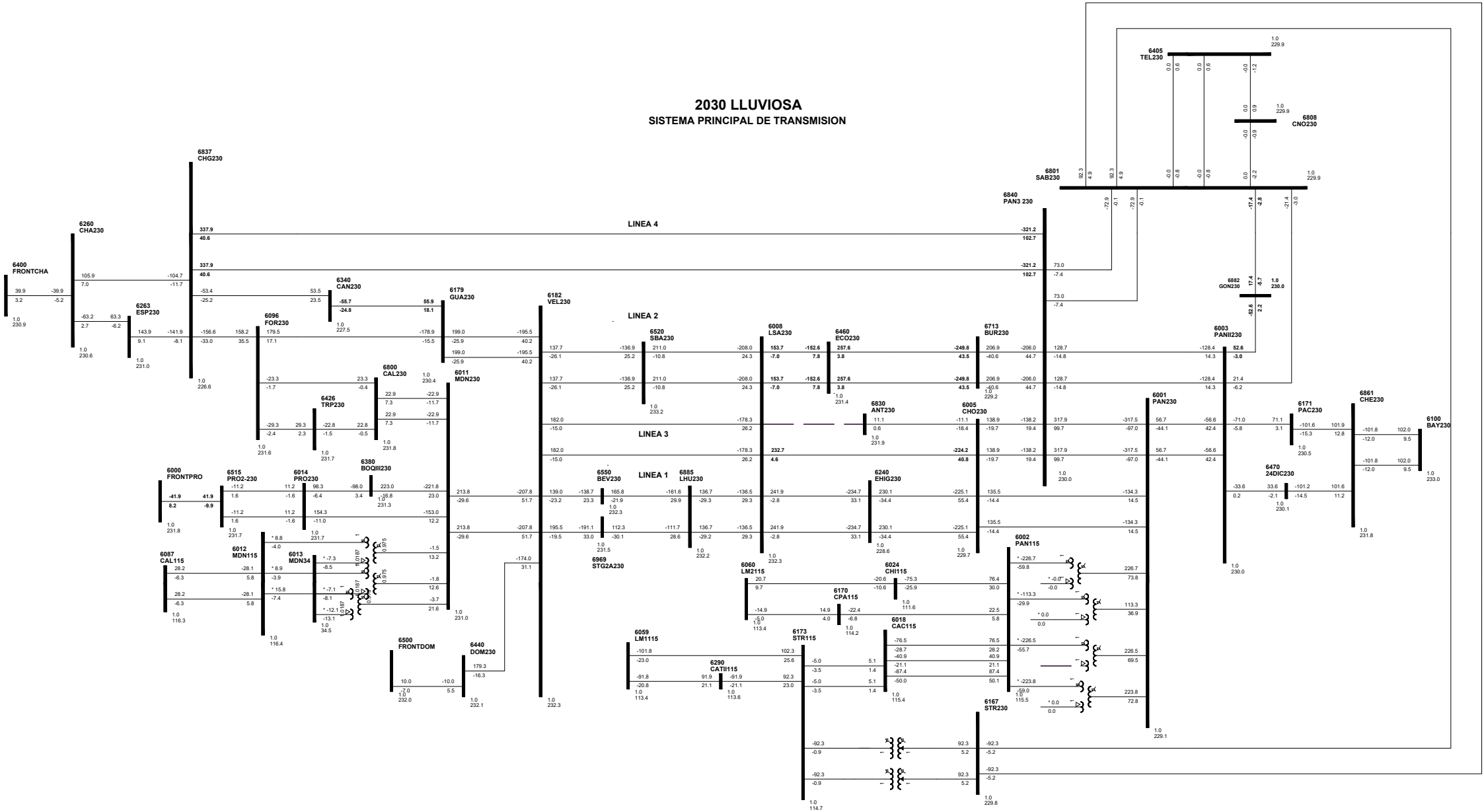
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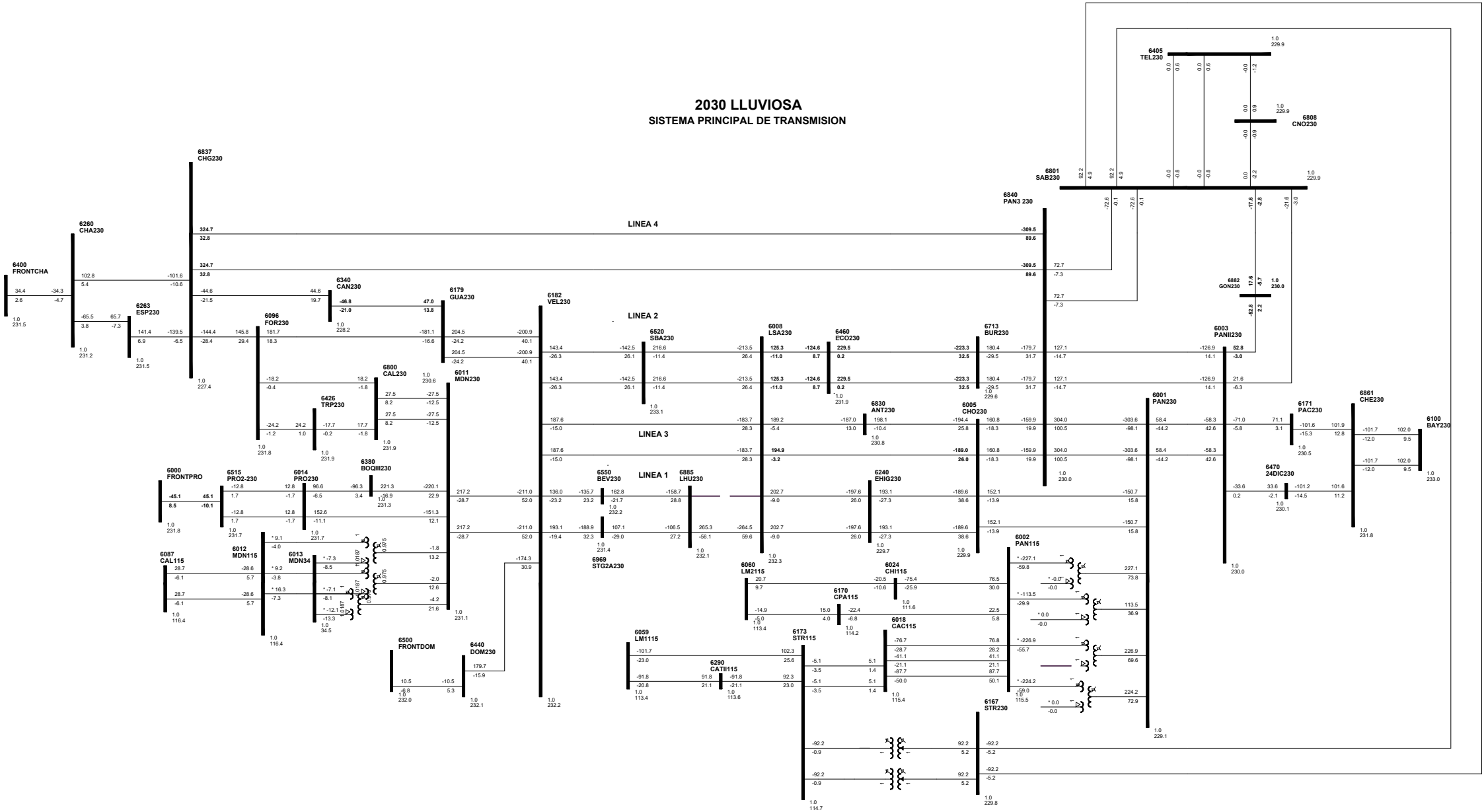
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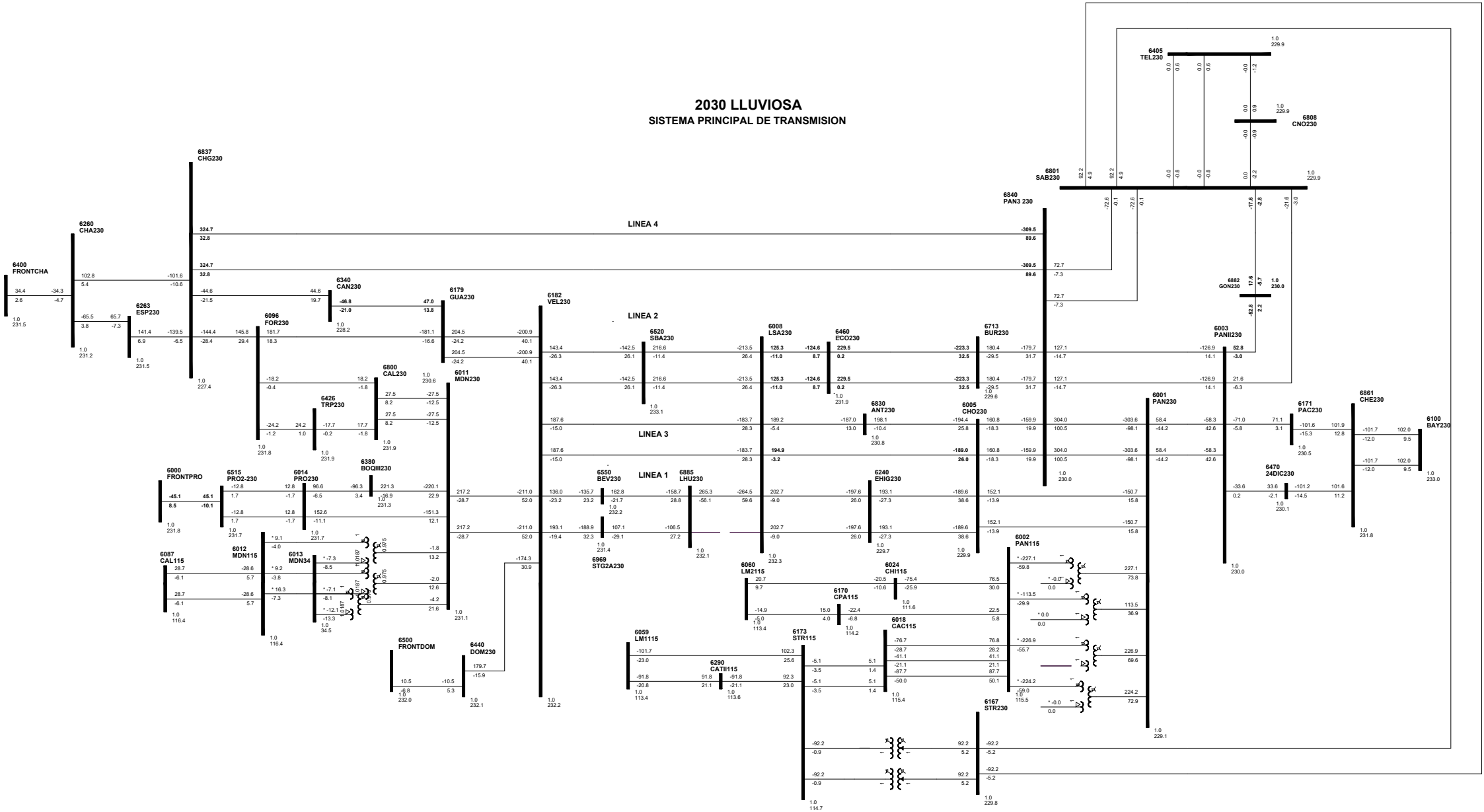
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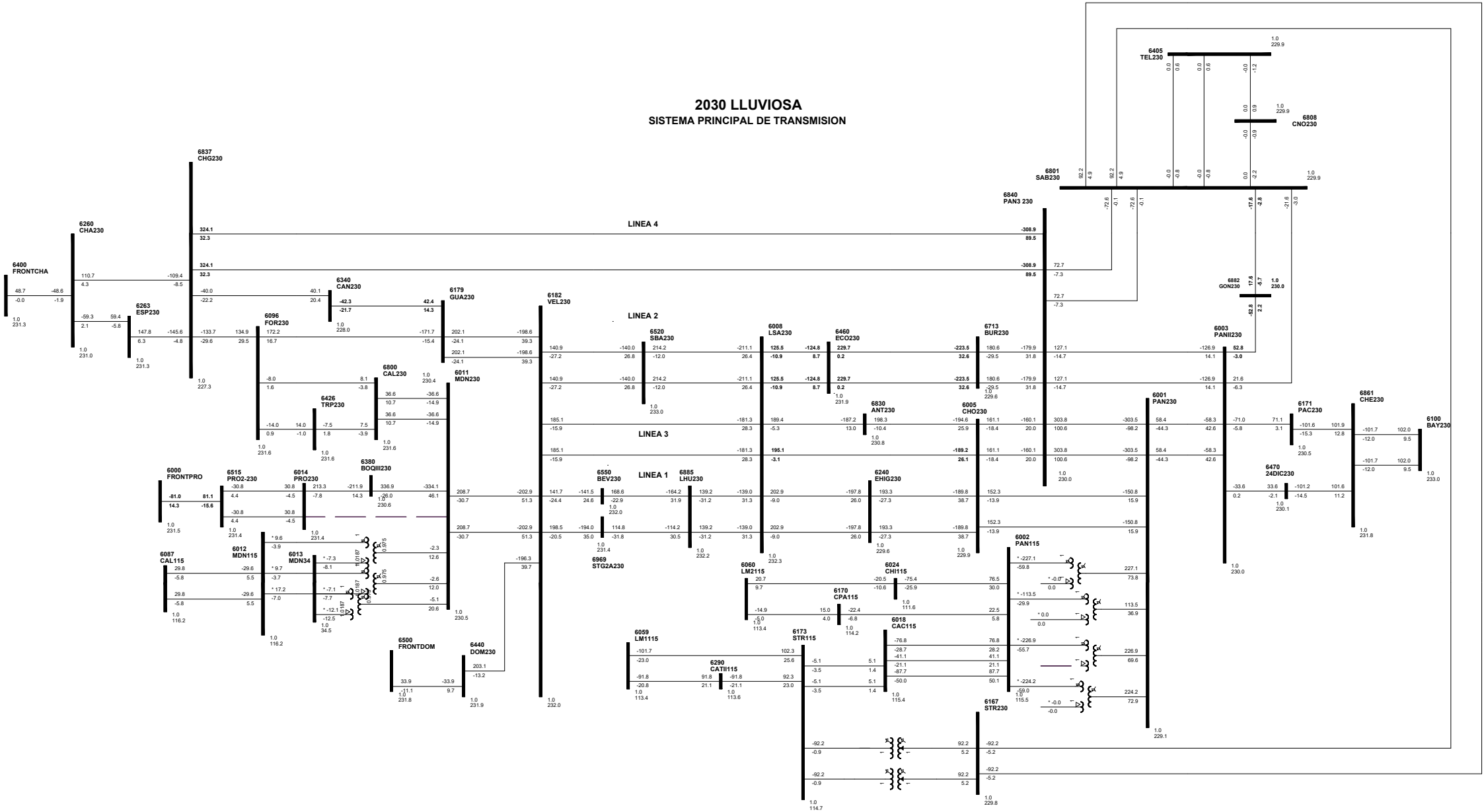
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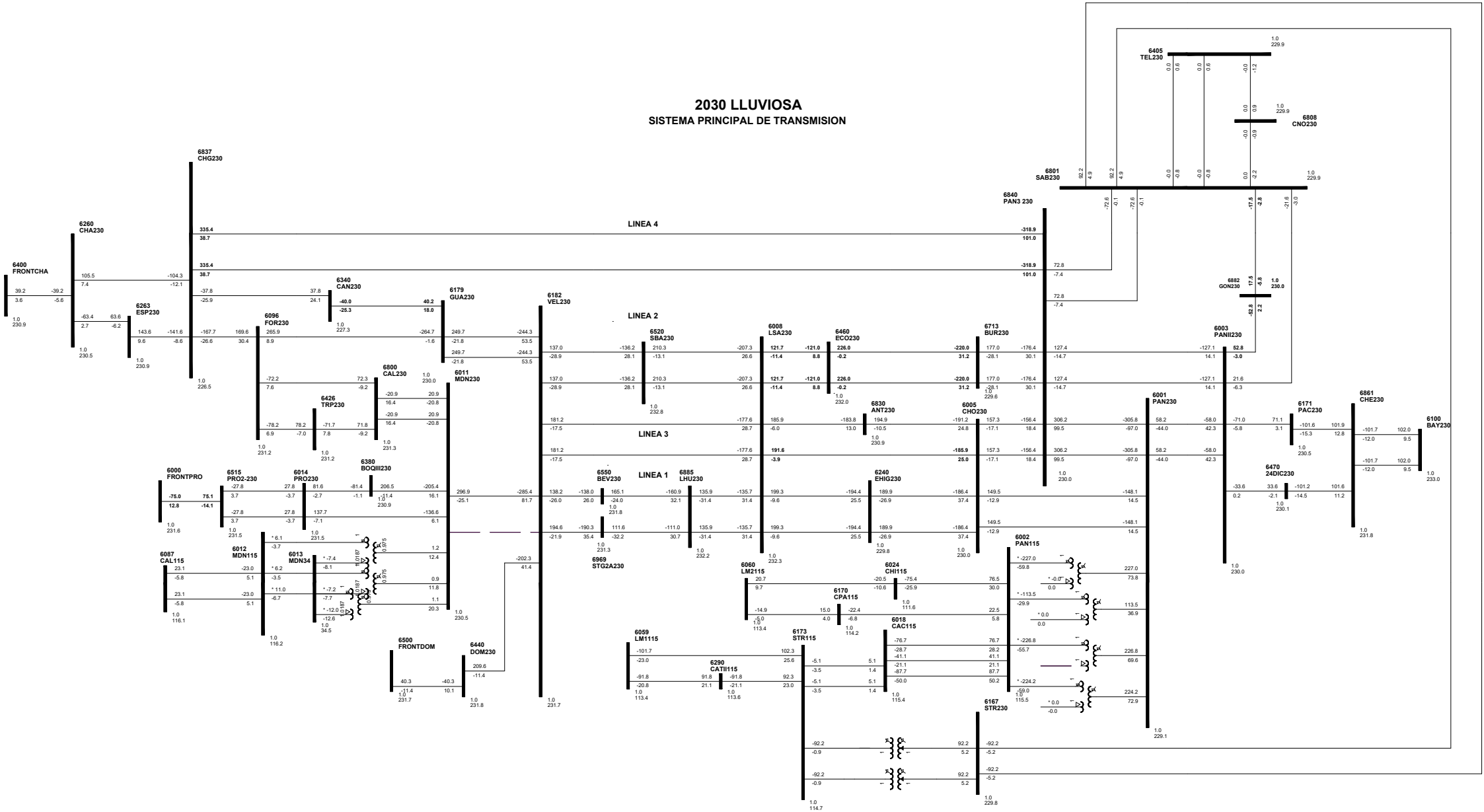
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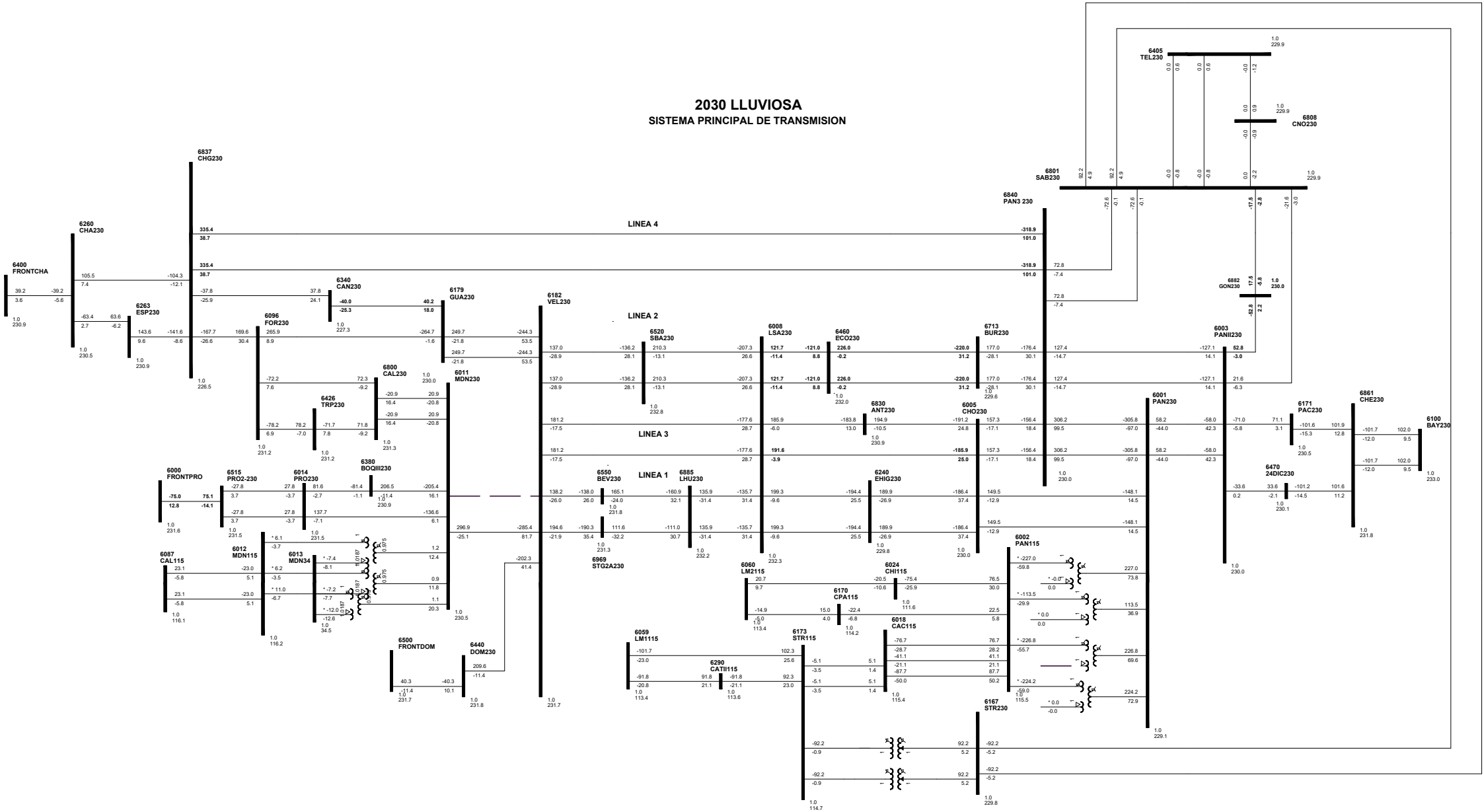
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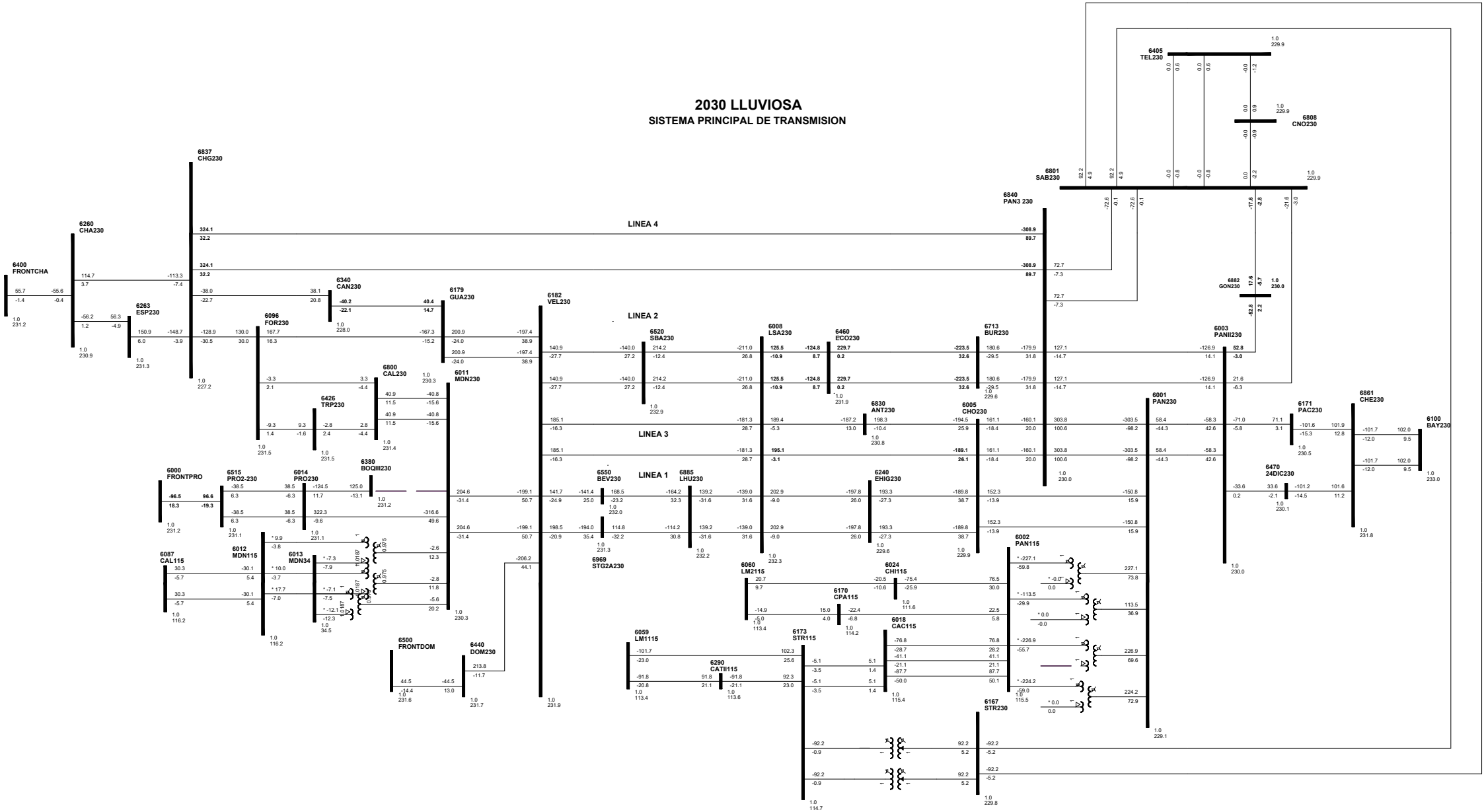
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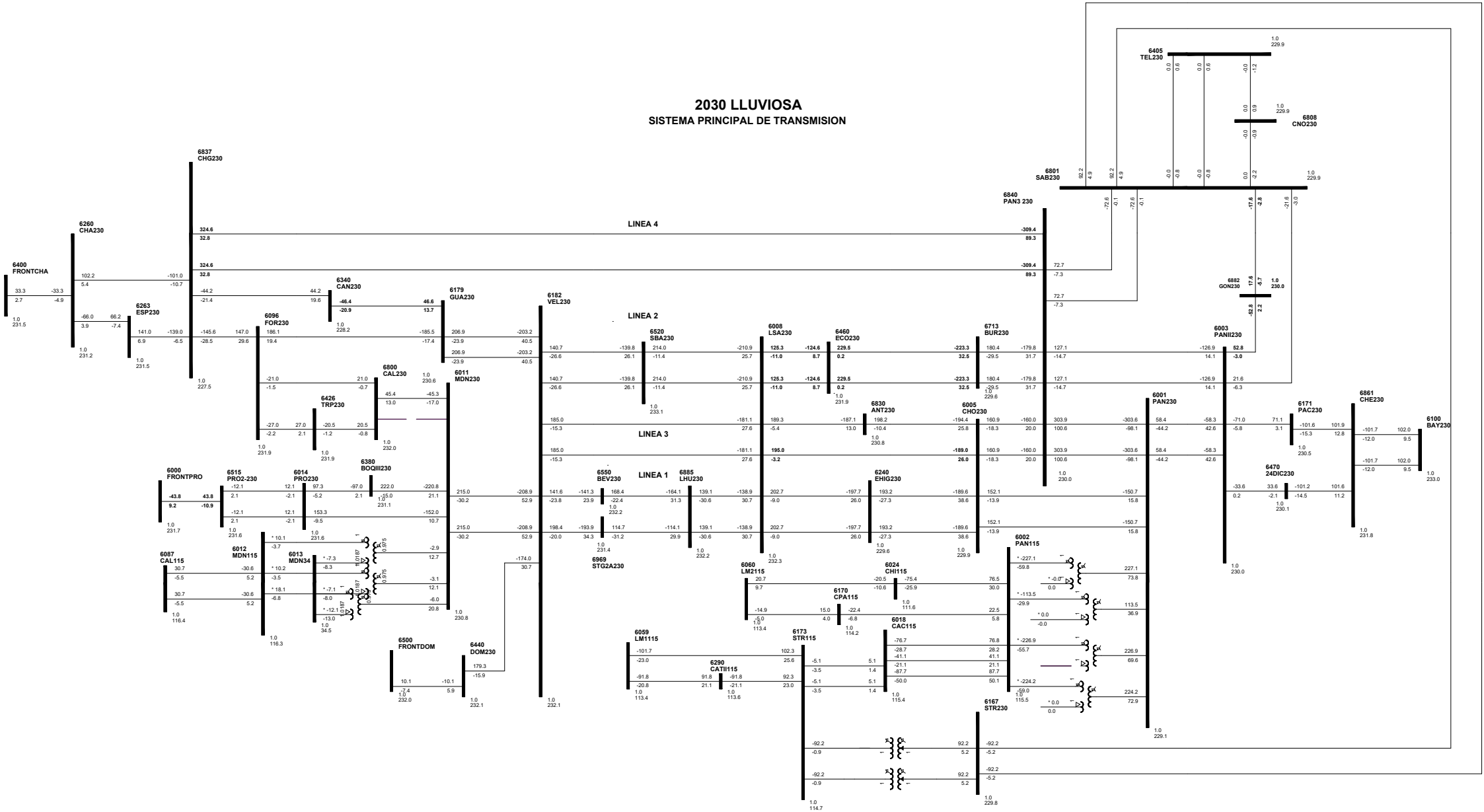
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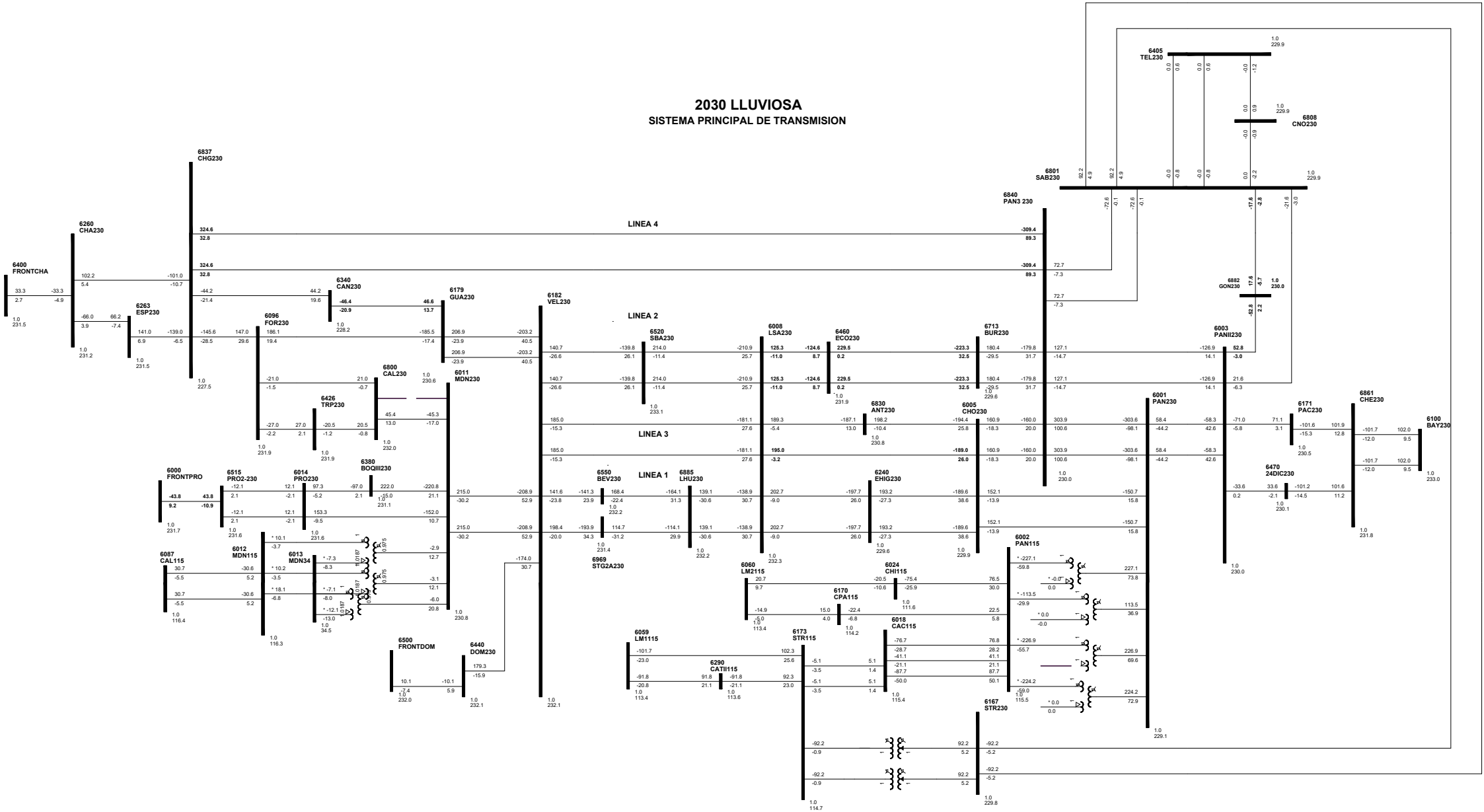
Contingencia 39



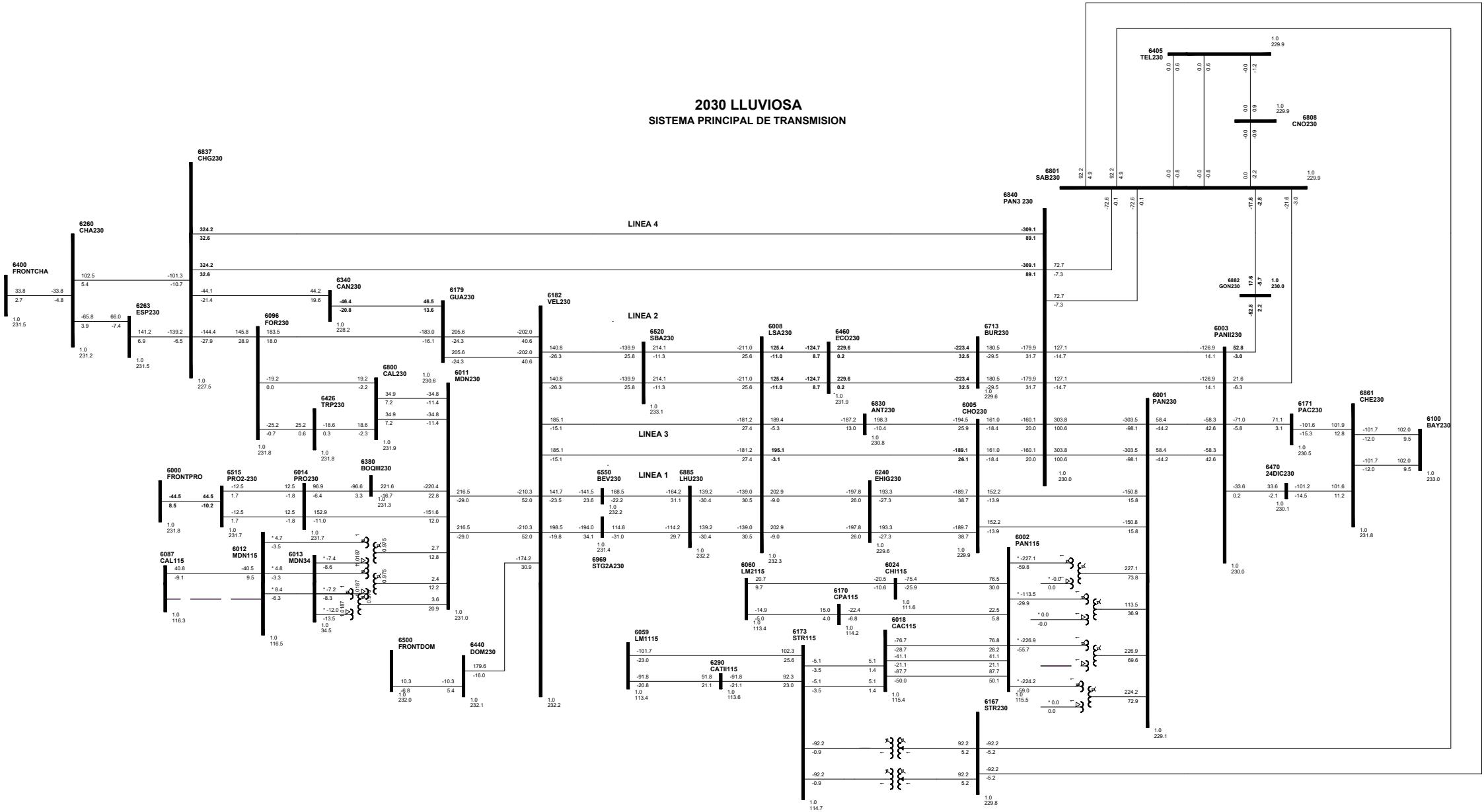
Contingencia 40



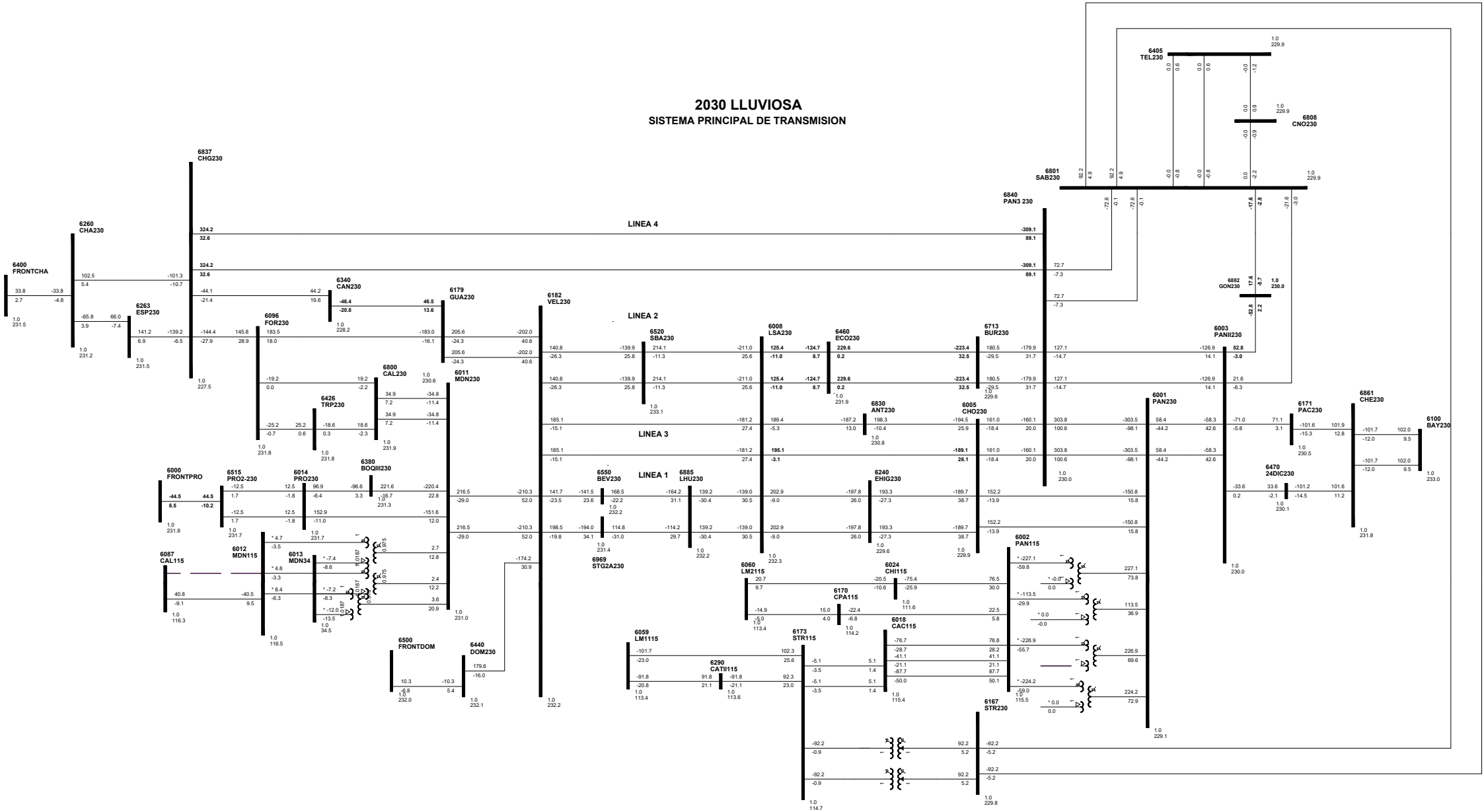
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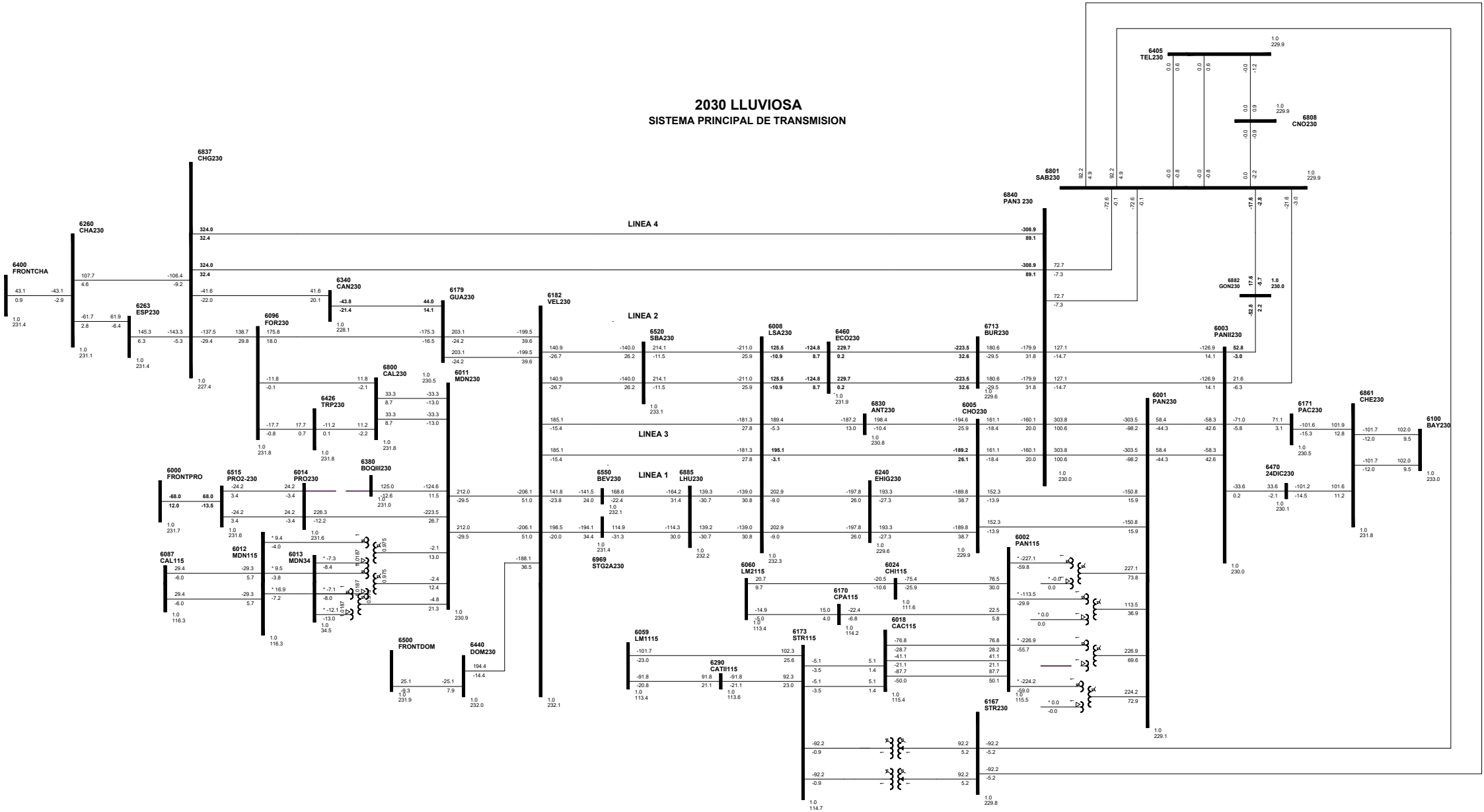
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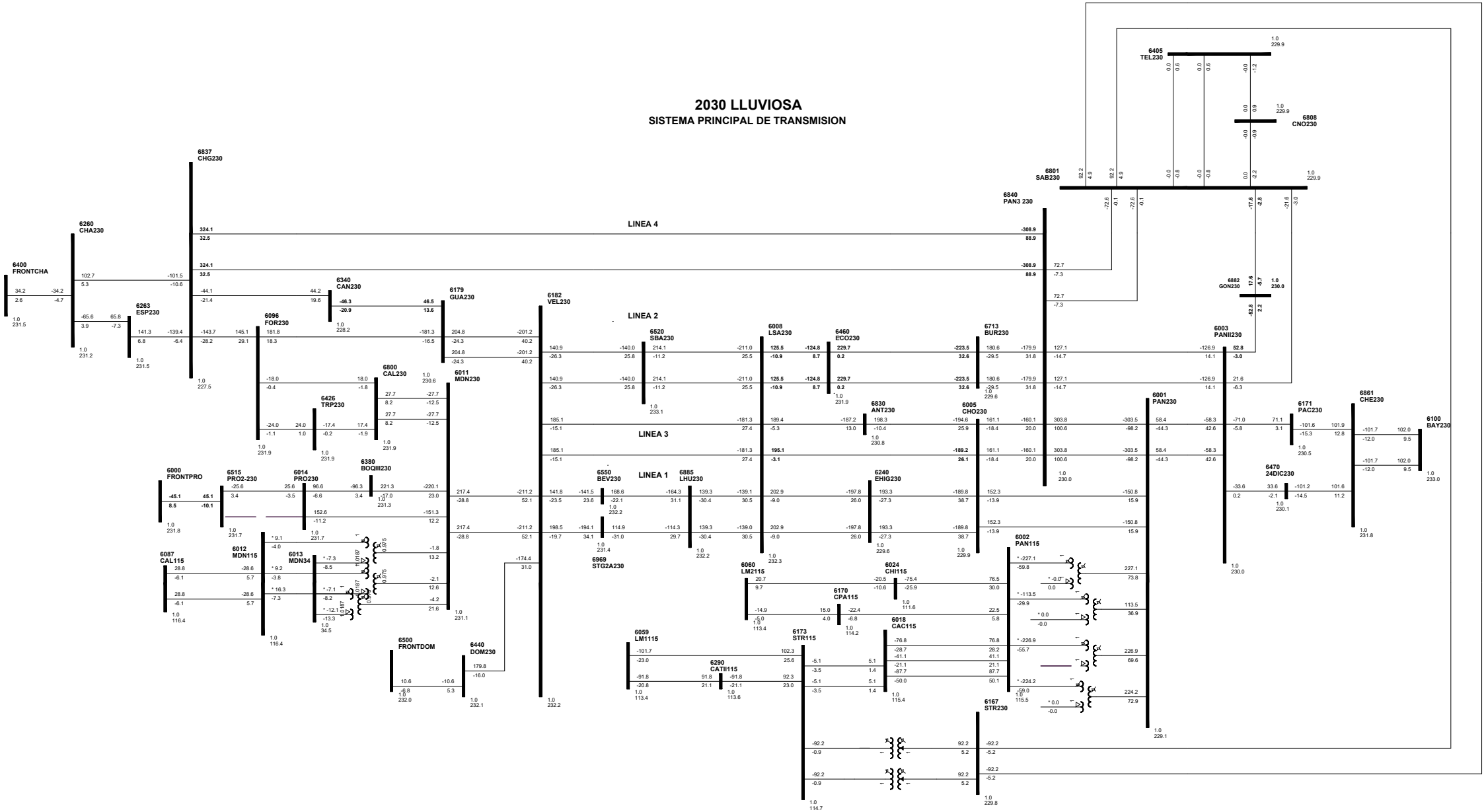
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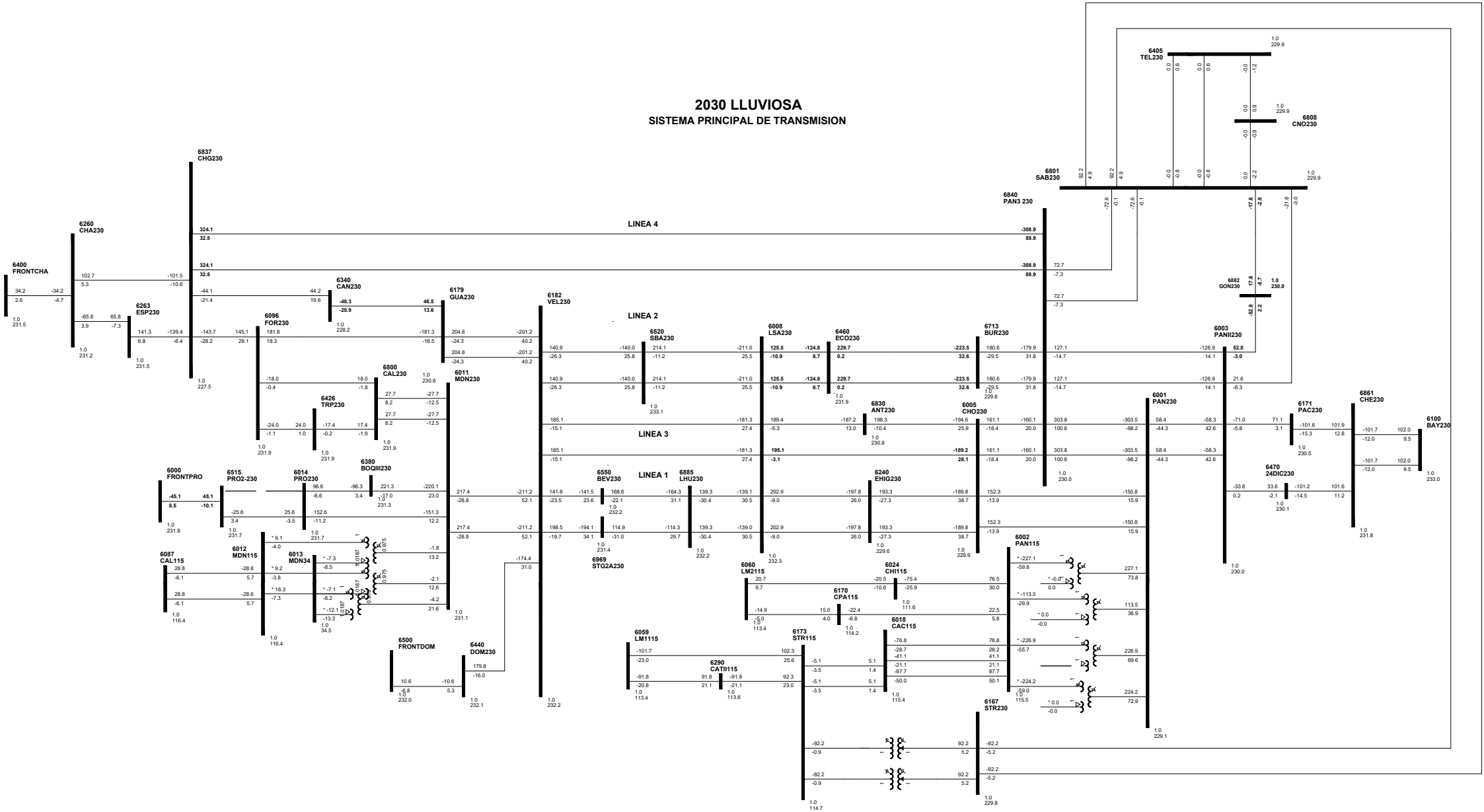
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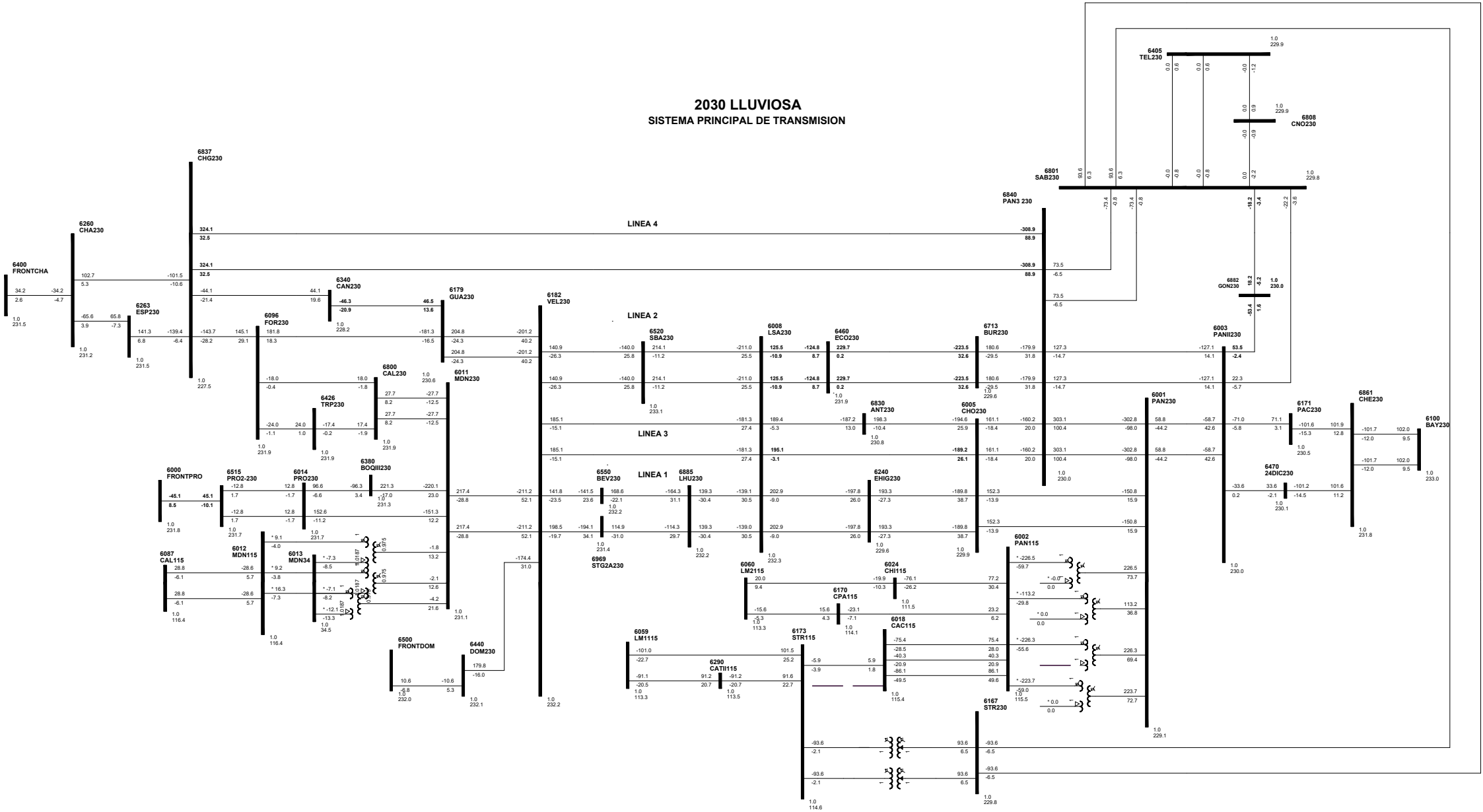
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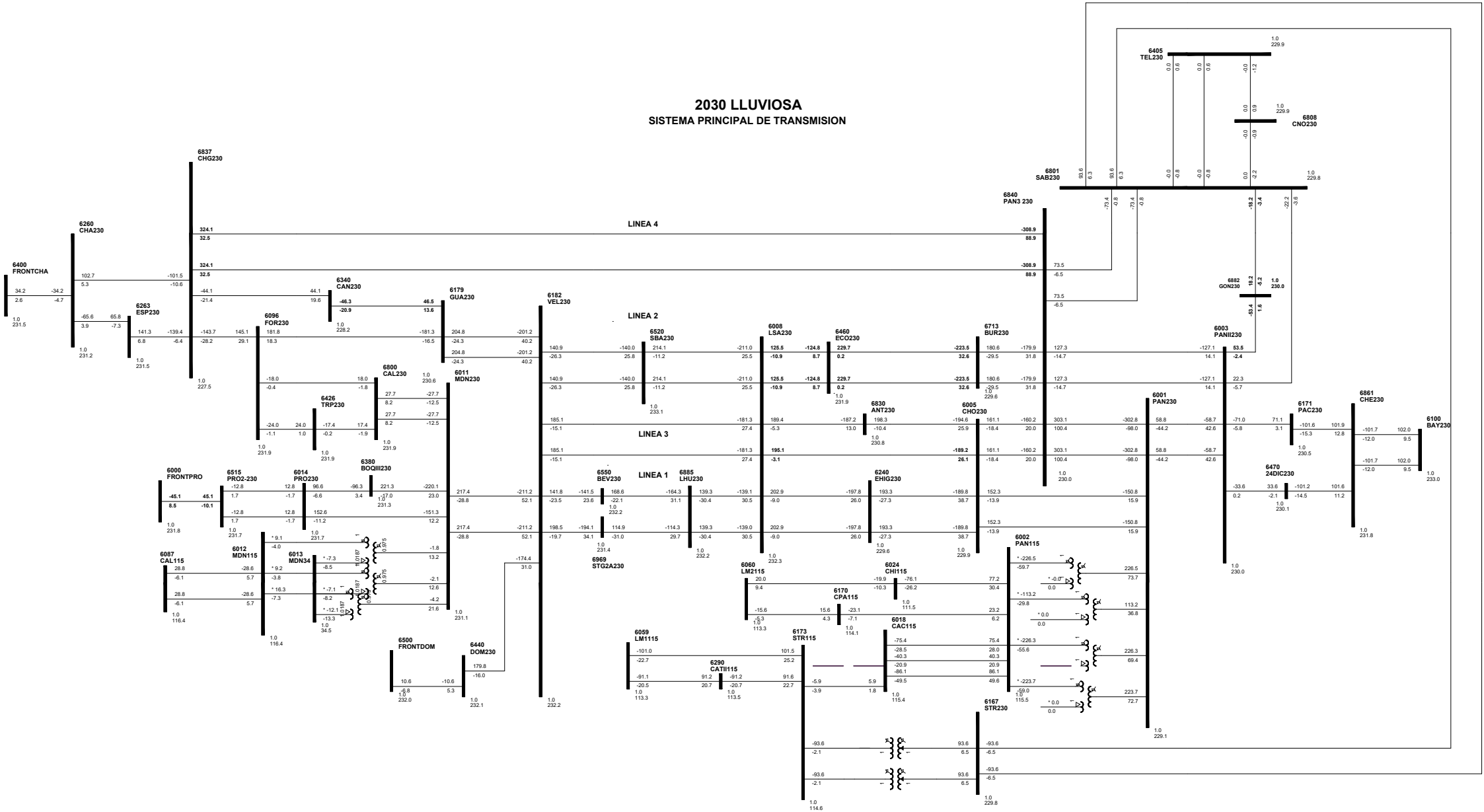
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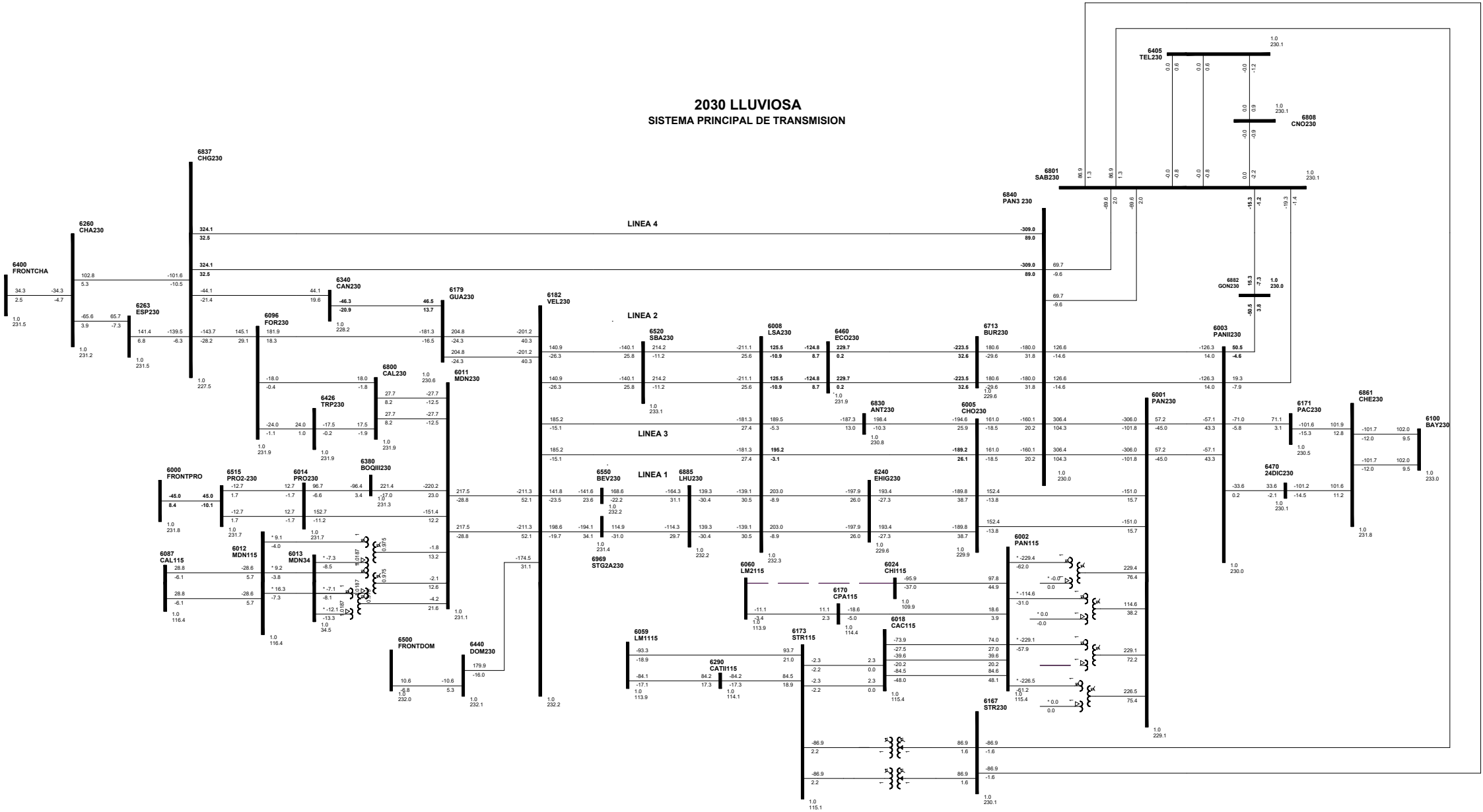
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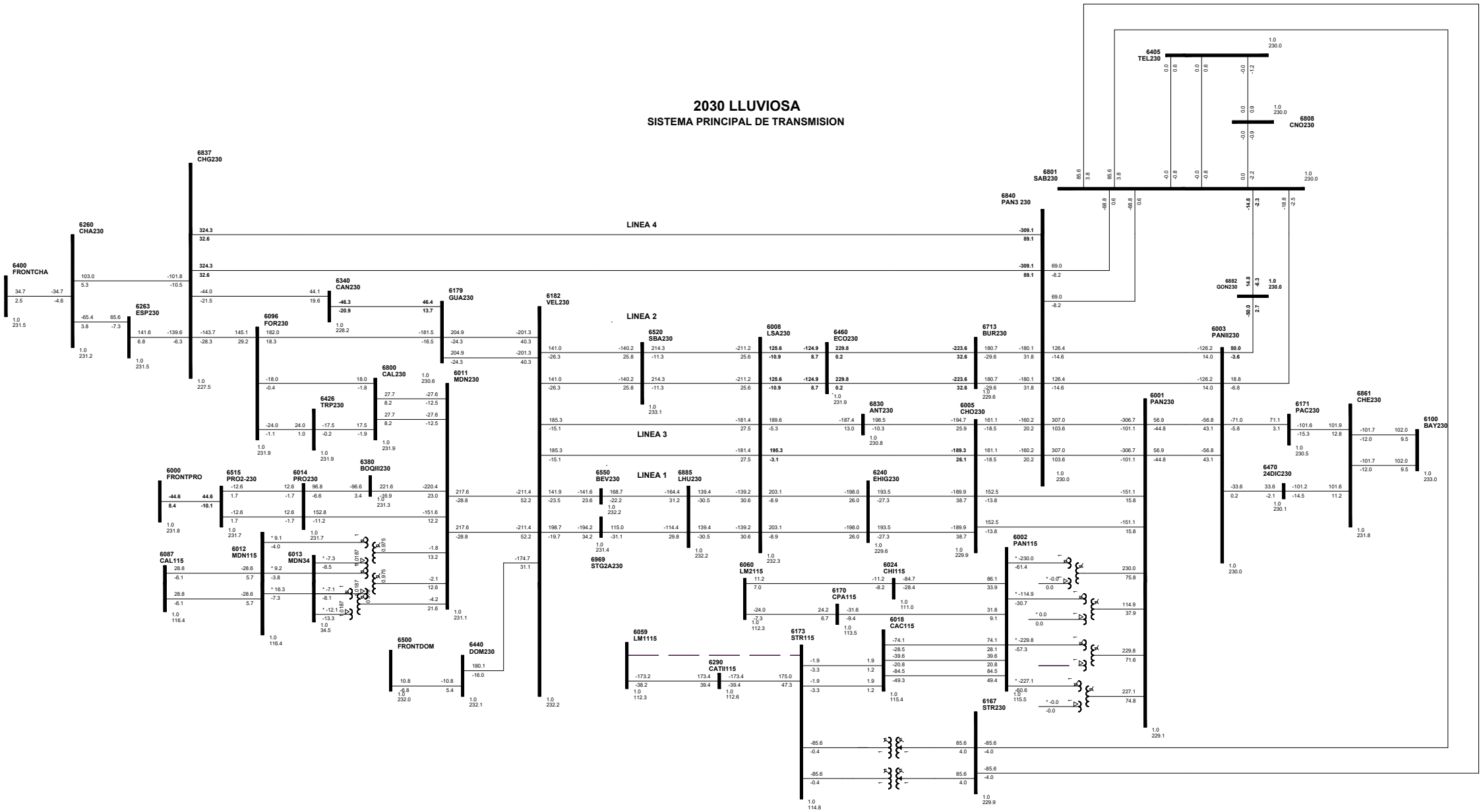
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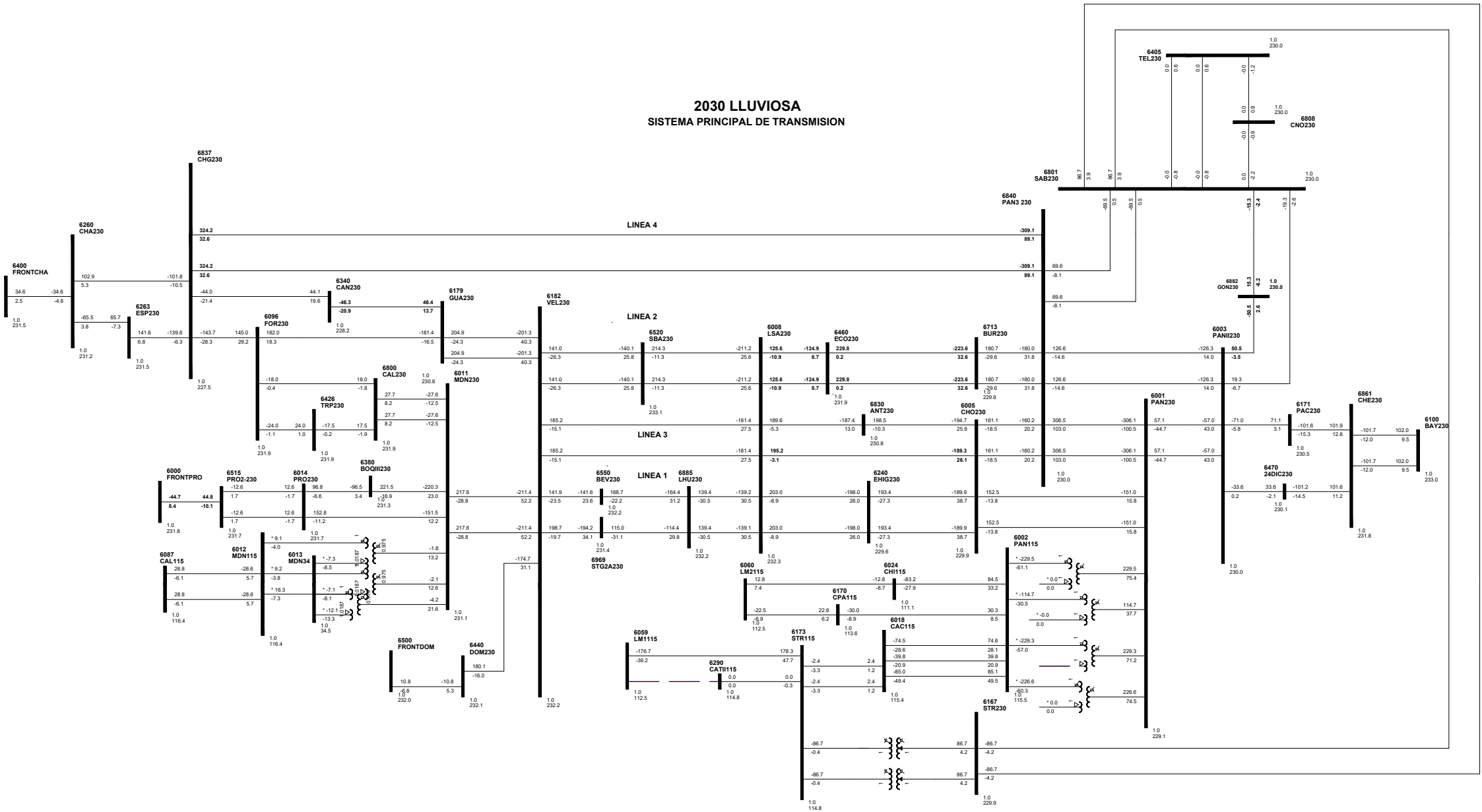
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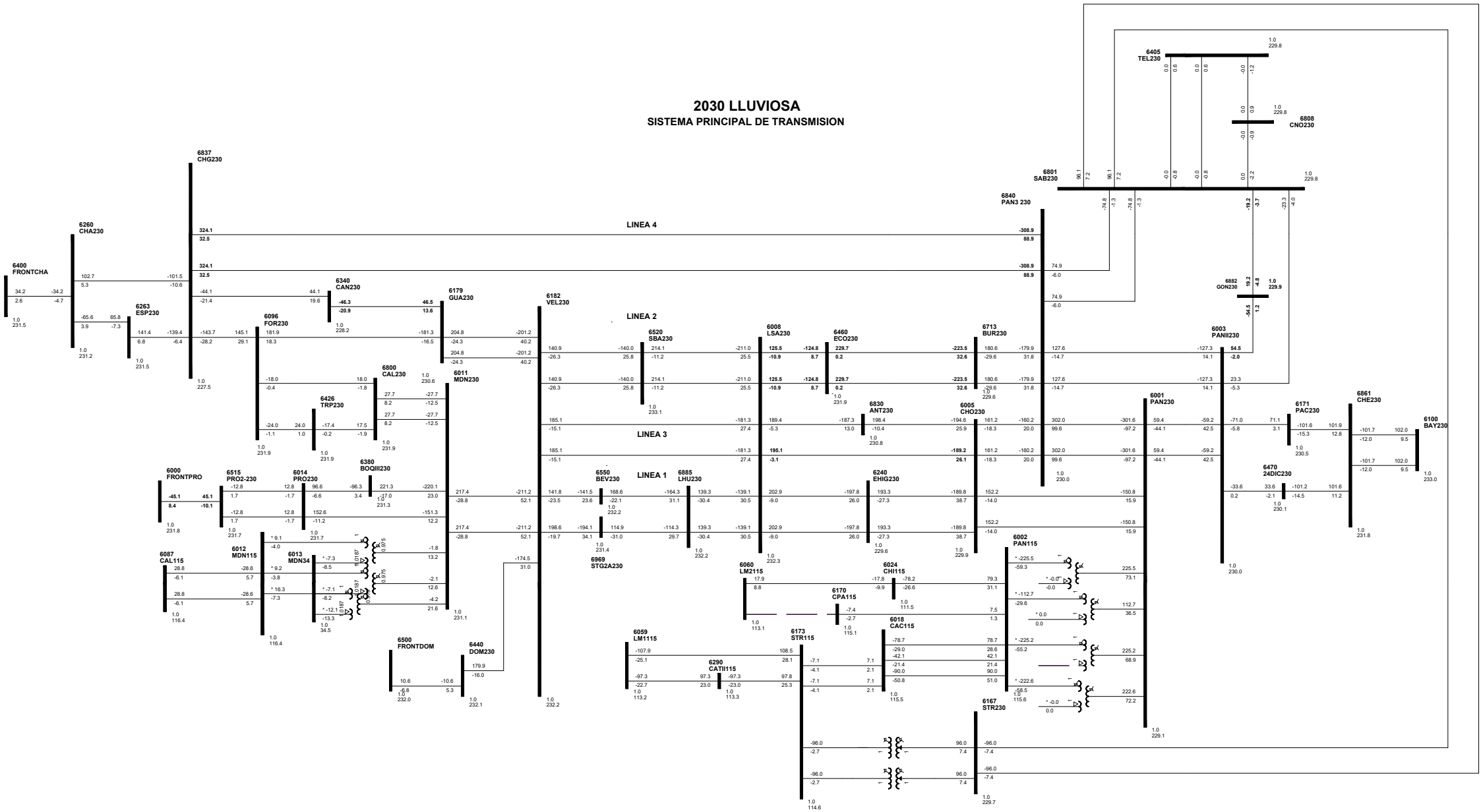
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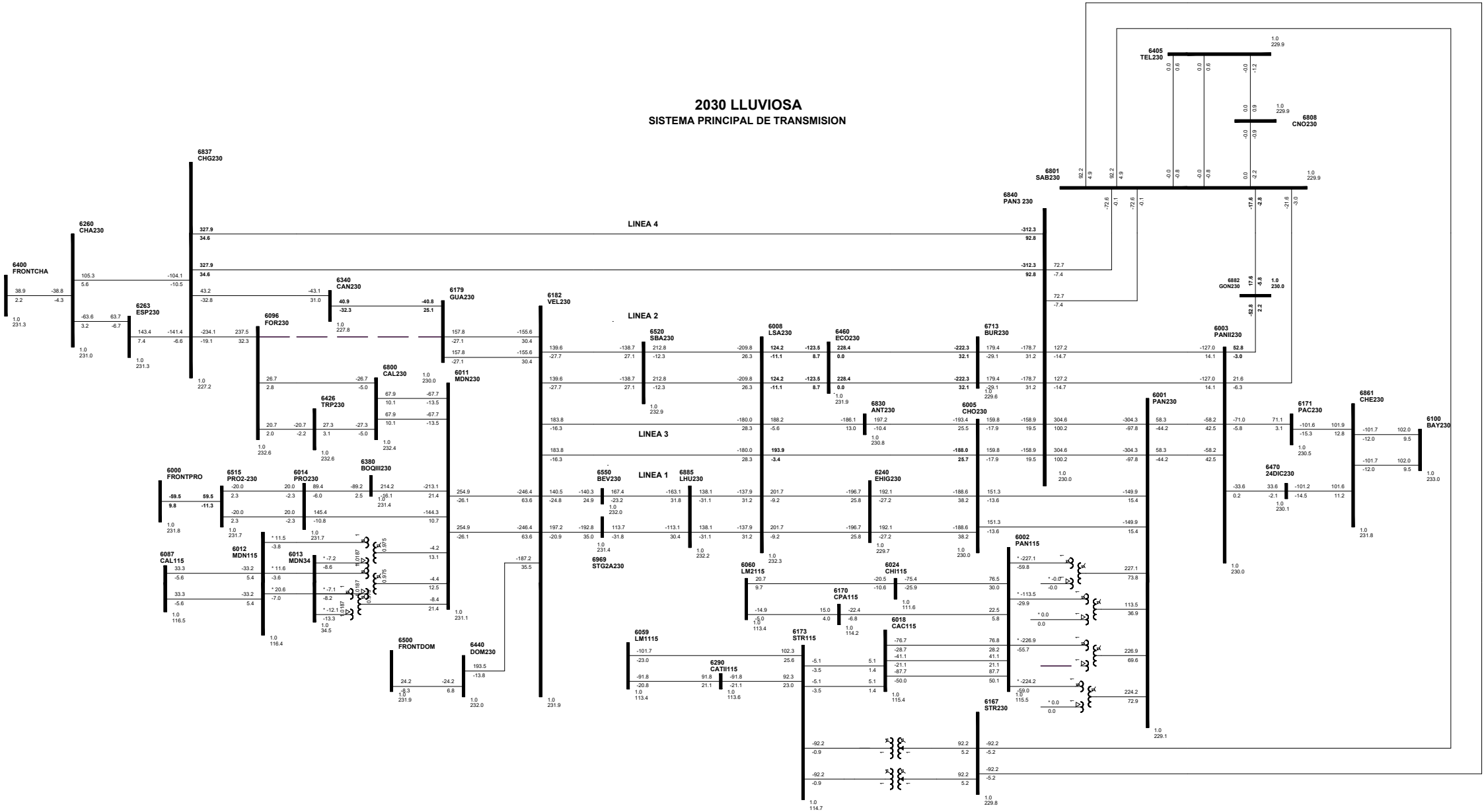
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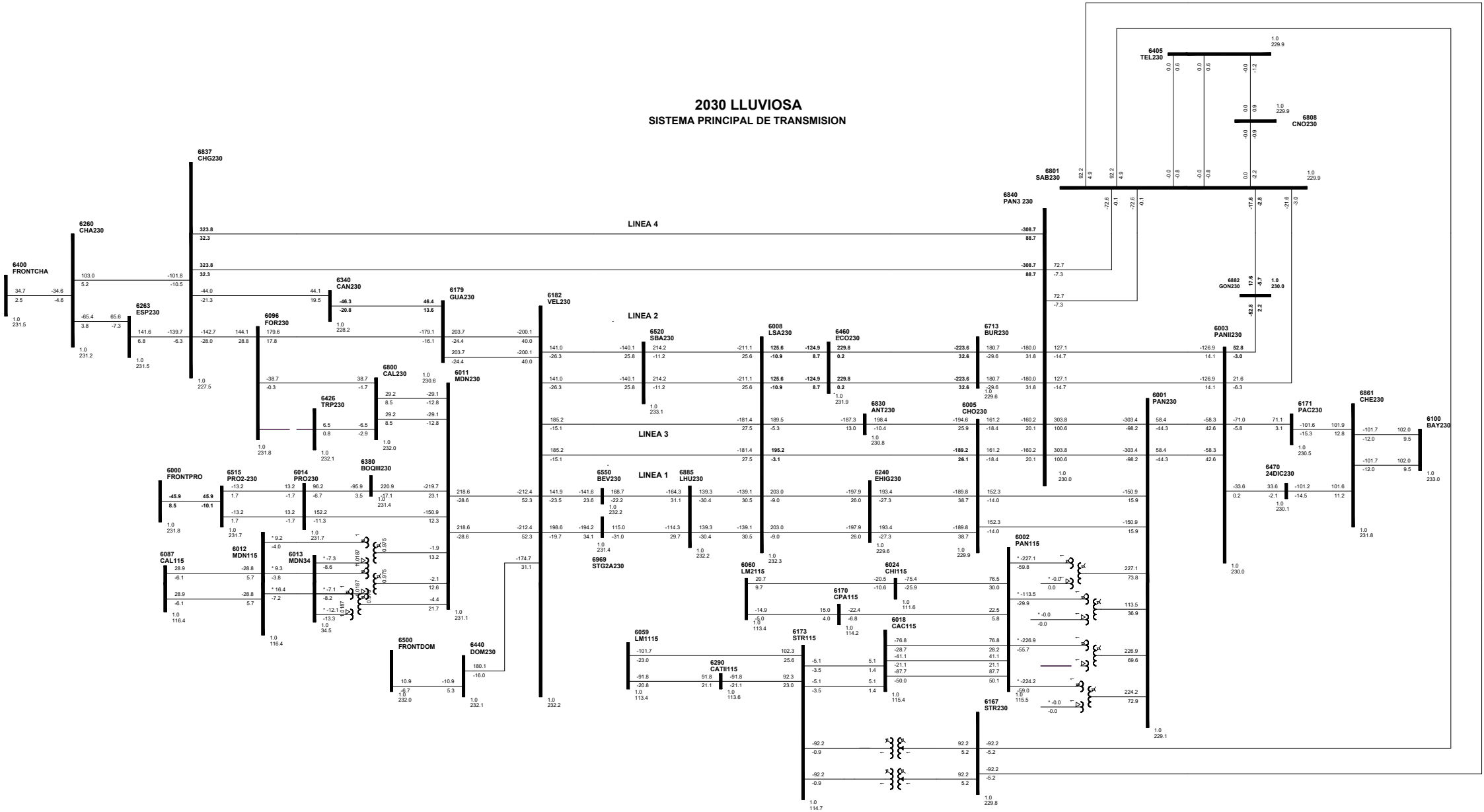
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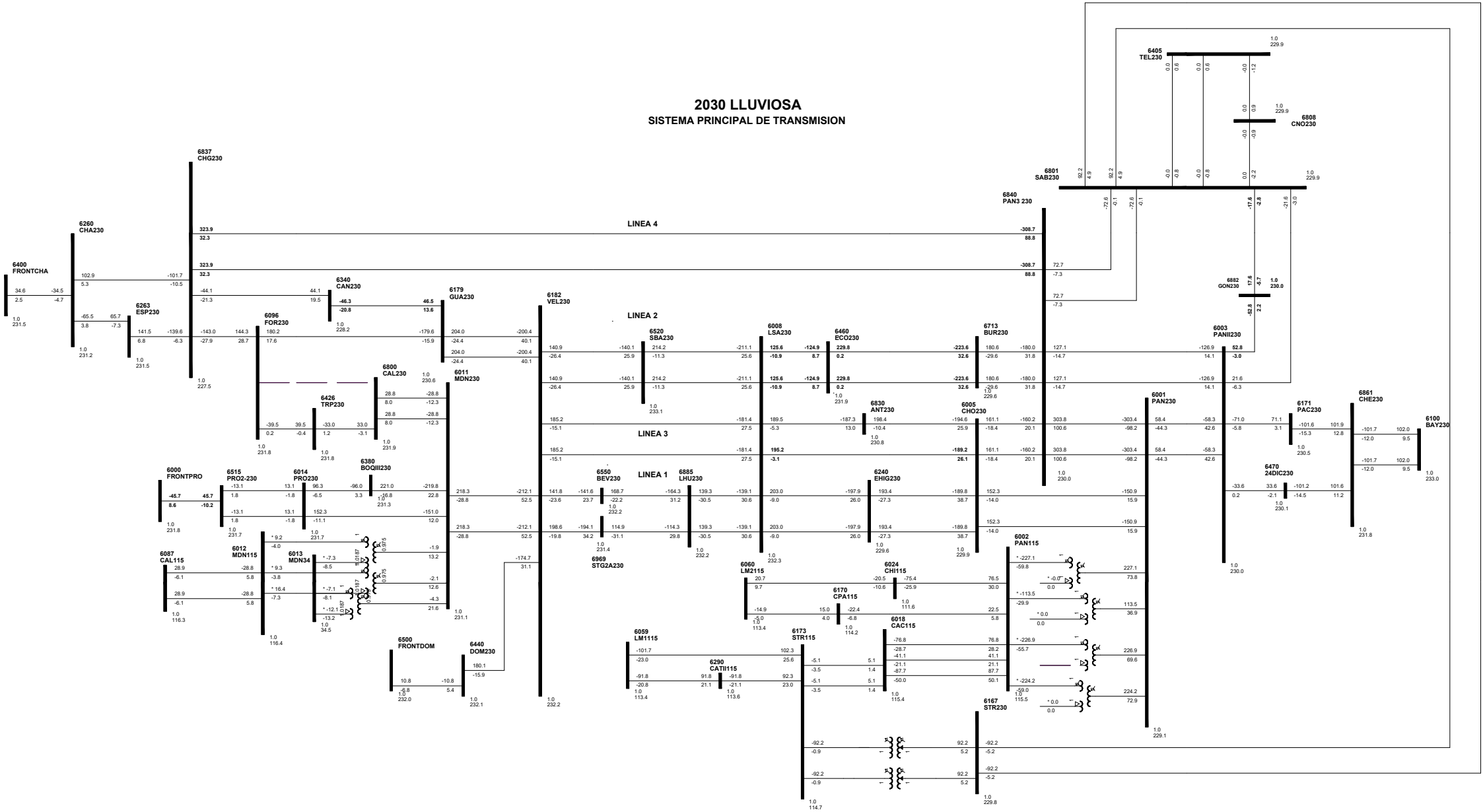
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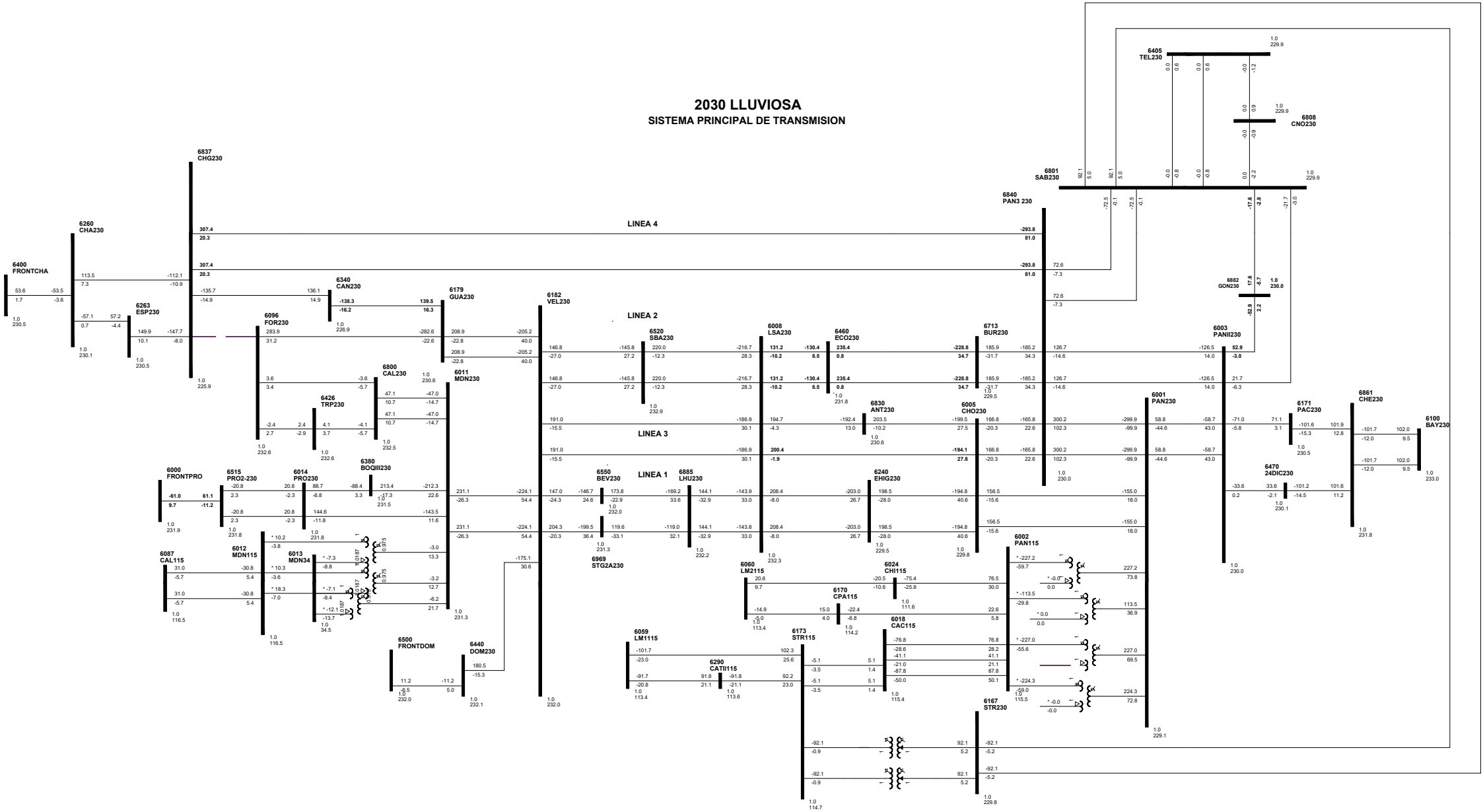
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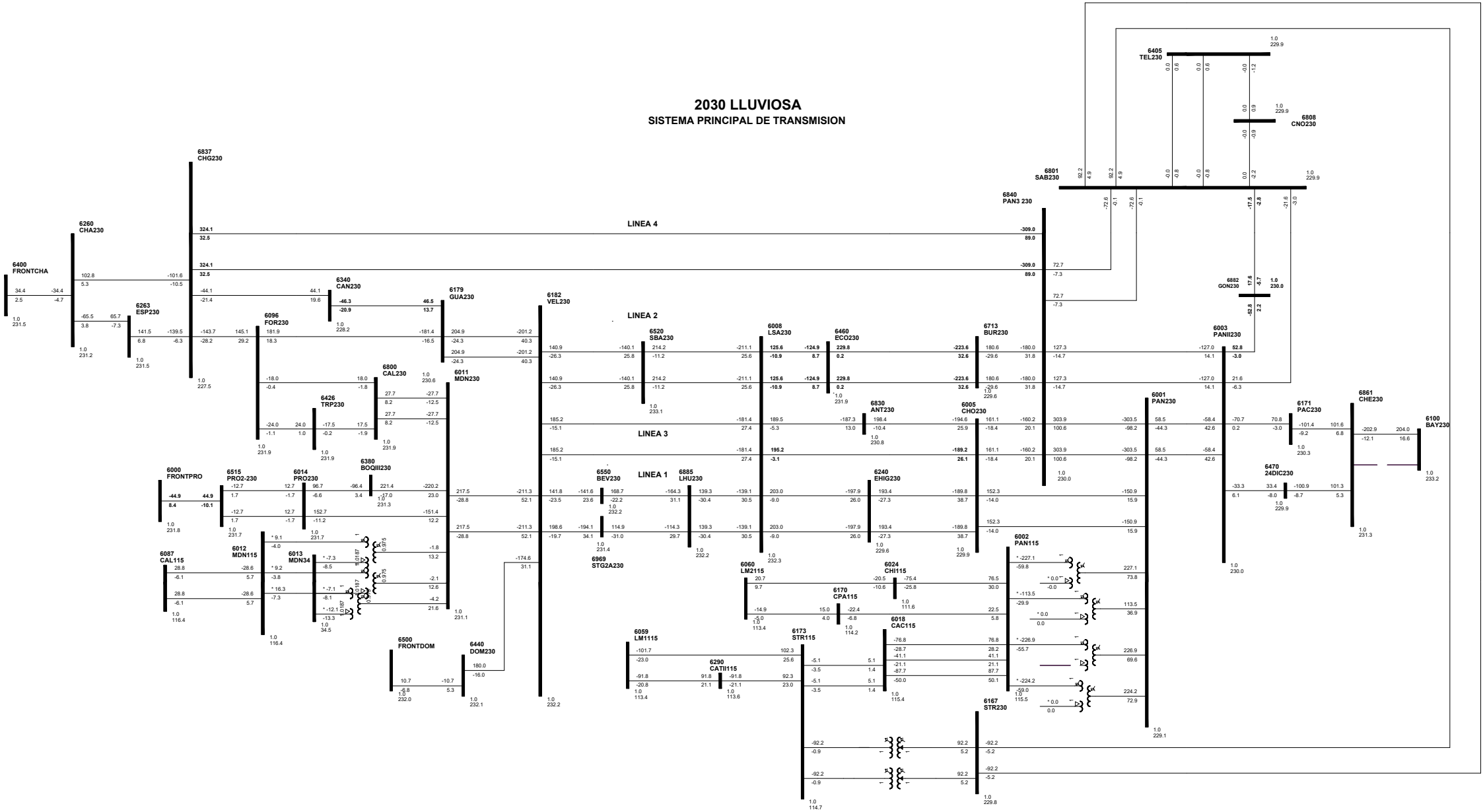
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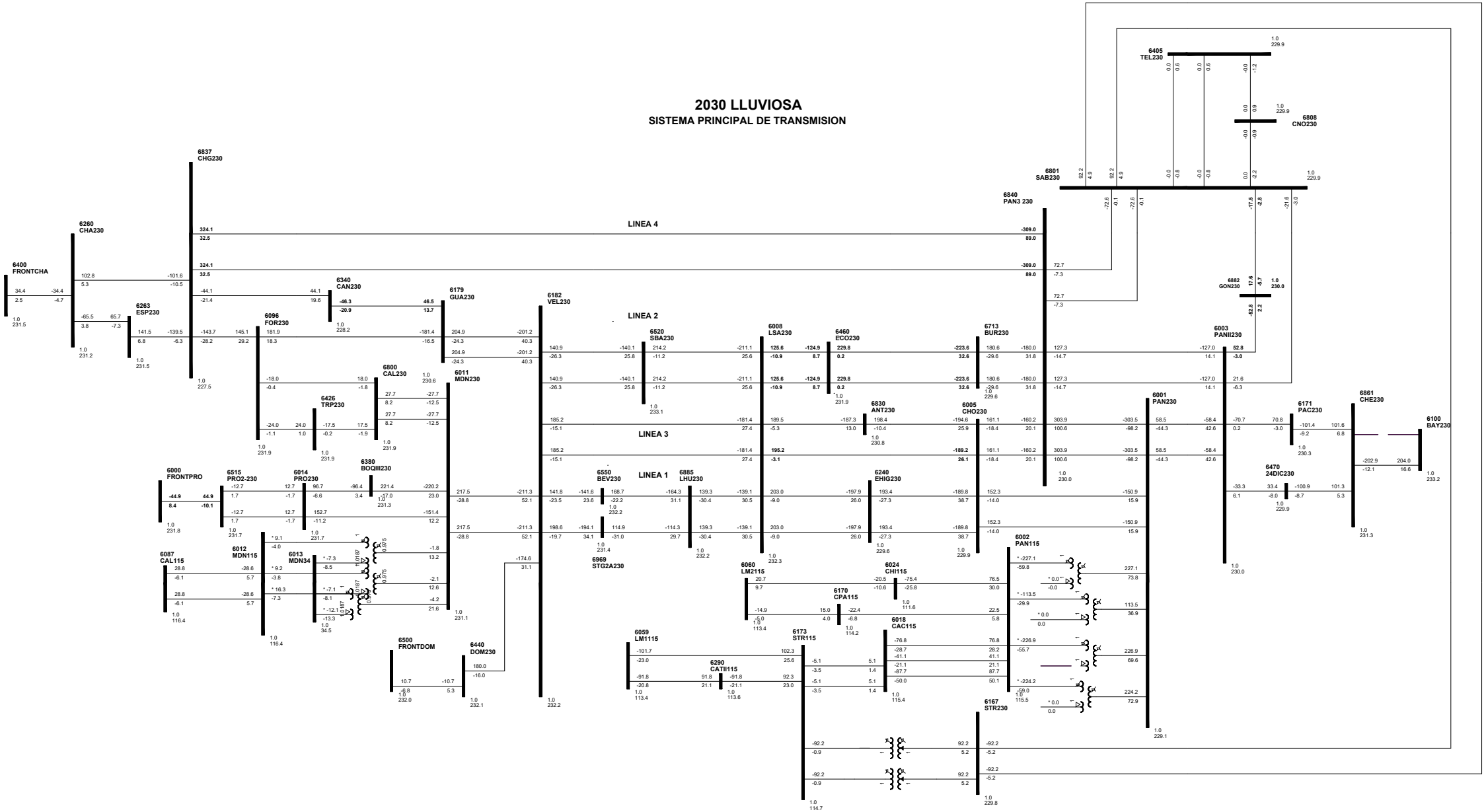
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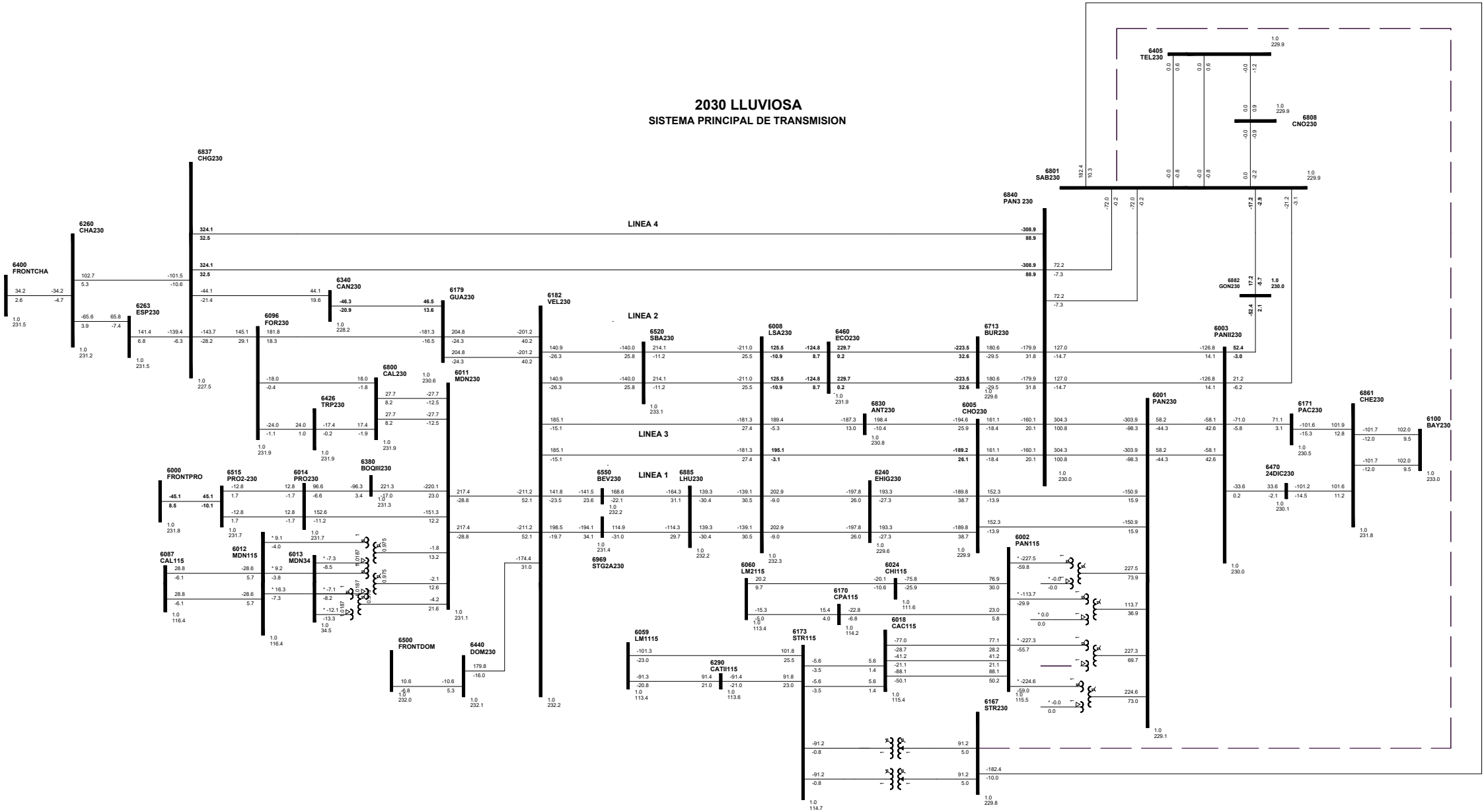
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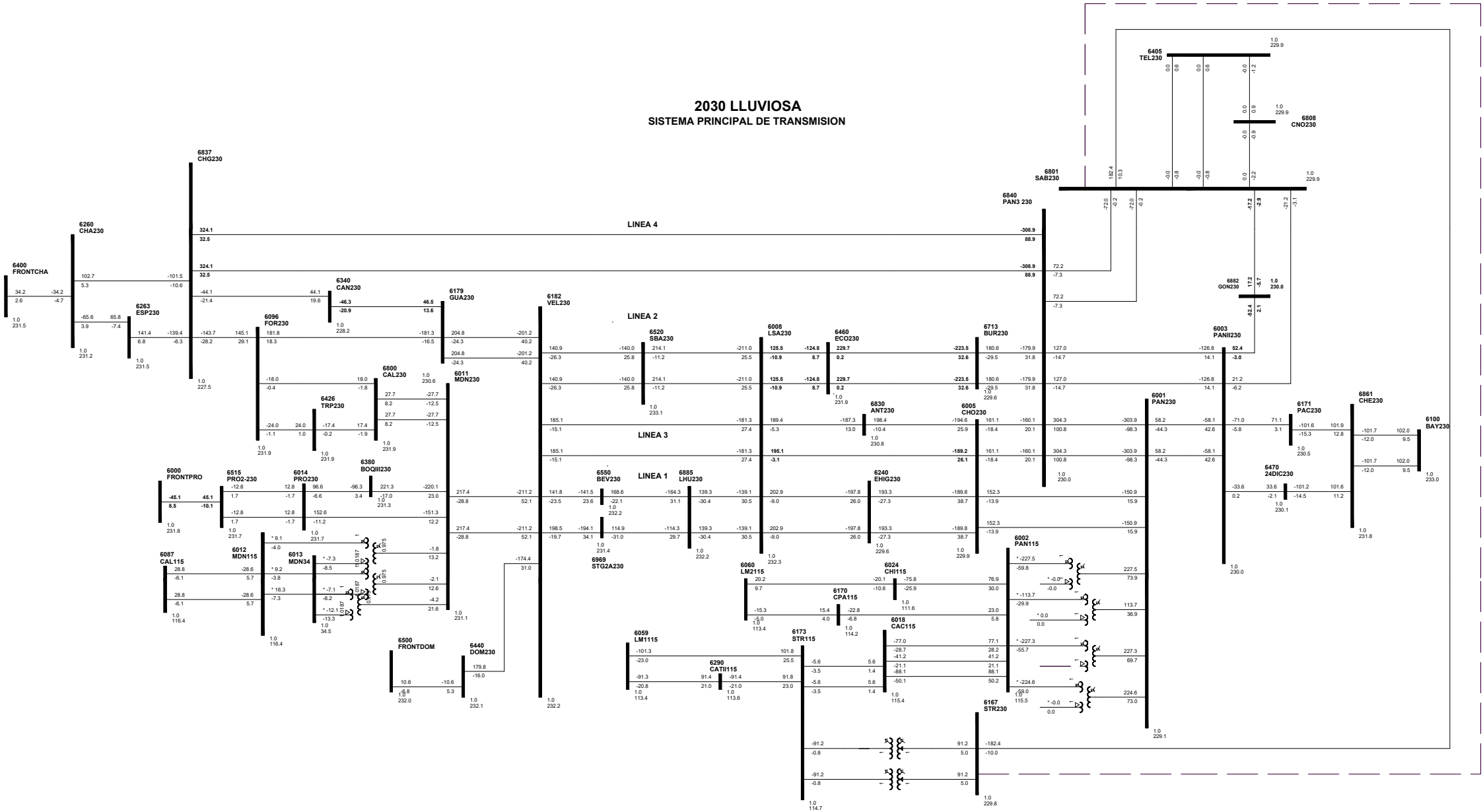


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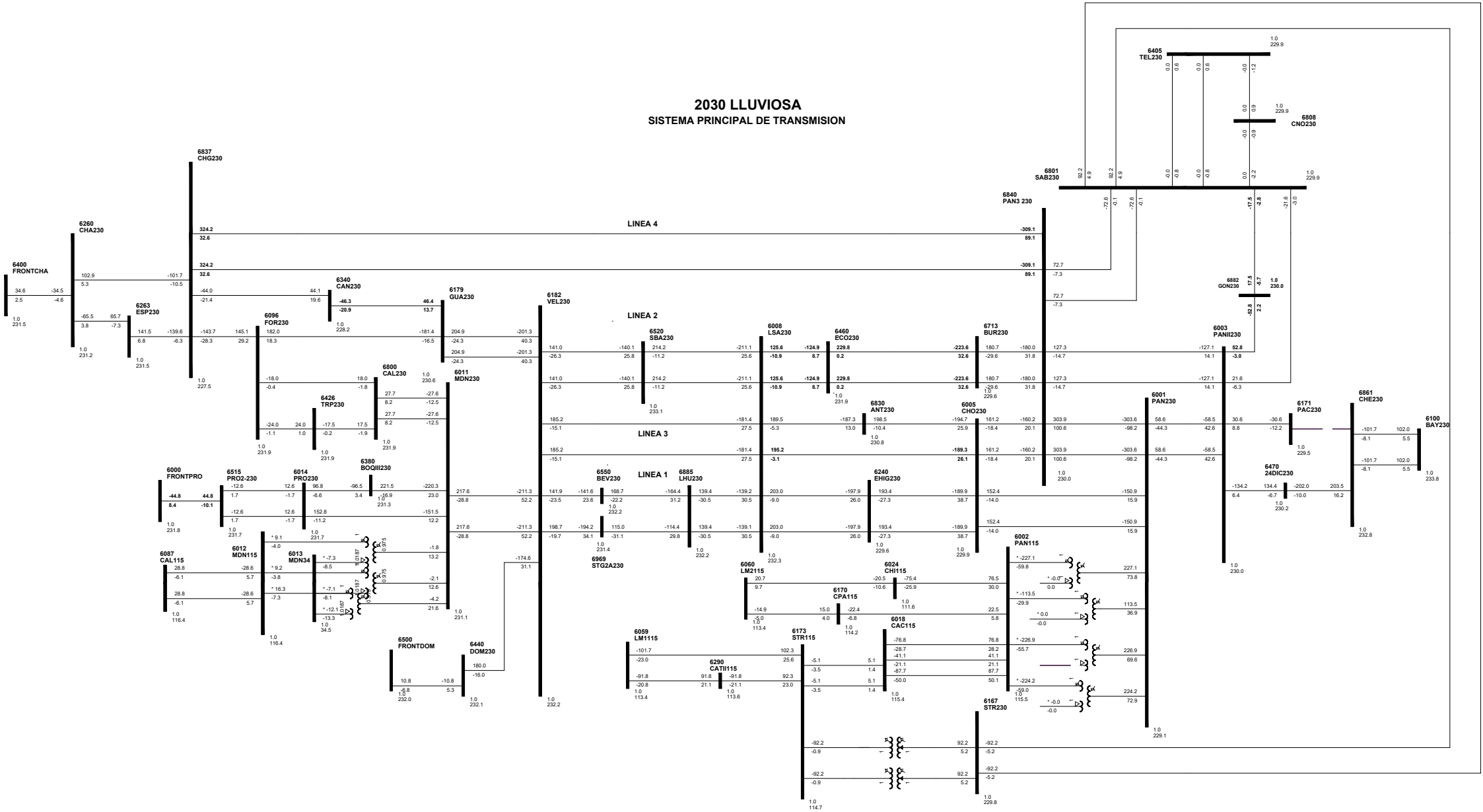


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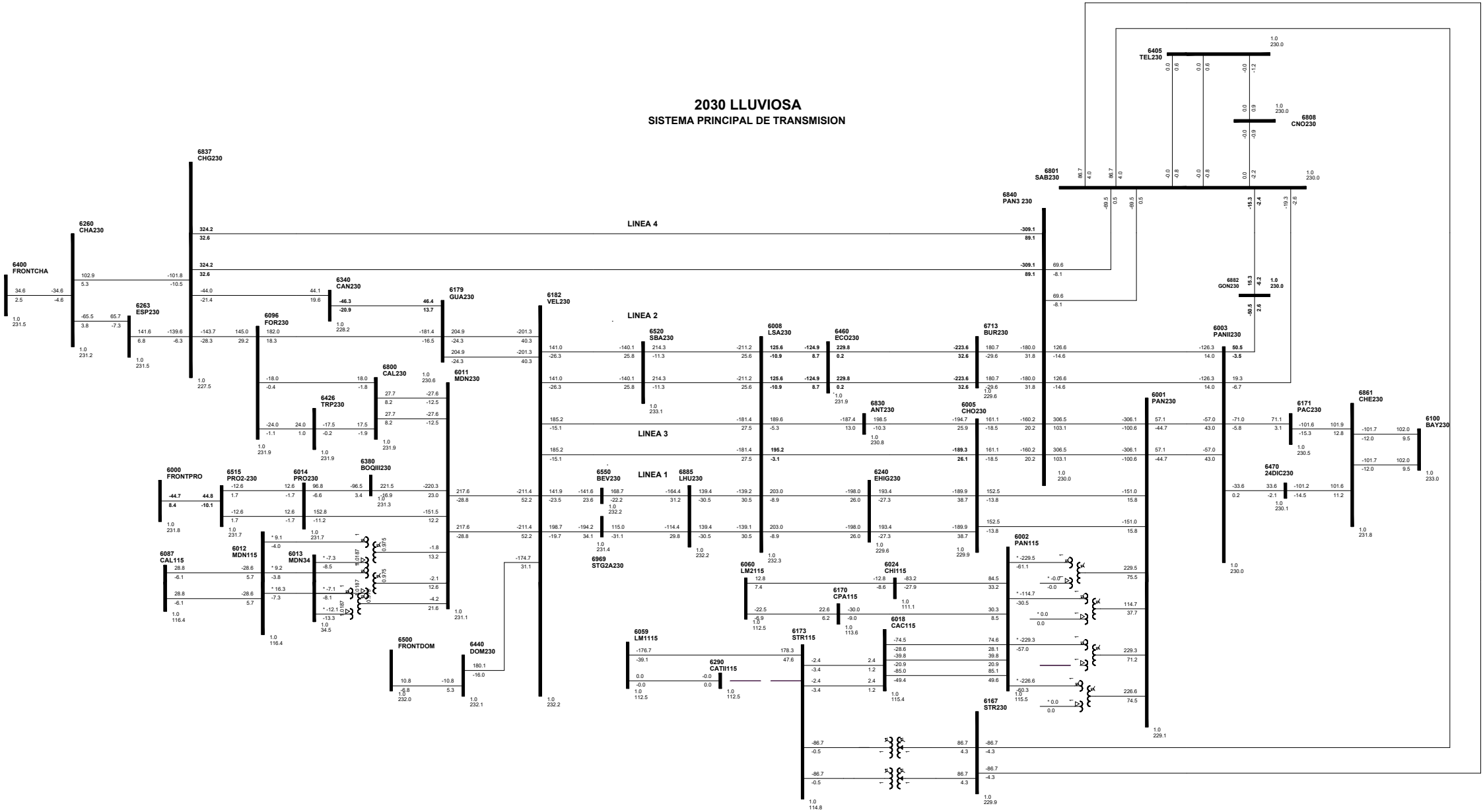



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SISTEMA PRINCIPAL DE TRANSMISION
LINEA 4
LINEA 2
LINEA 3
LINEA 1
6837 CHG230
6260 CHA230
6400 FRONTCHA
6263 ESP230
6340 CAN230
6179 GUA230
6096 FOR230
6426 TRP230
6800 CAL230
6011 MDN230
6182 VEL230
6520 SBA230
6008 LSA230
6460 ECO230
6713 BUR230
6840 PAN3 230
6801 SAB230
6405 TEL230
6808 CNO230
6882 GON230
6003 PANII230
6001 PAN230
6171 PAC230
6861 CHE230
6100 BAY230
6470 24DIC230
6005 CHO230
6830 ANT230
6240 EHIG230
6550 BEV230
6885 LHU230
6969 STG2A230
6380 BOQIII230
6000 FRONTPRO
6515 PRO2-230
6014 PRO230
6012 MDN115
6013 MDN34
6087 CAL115
6500 FRONTDOM
6440 DOM230
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6167 STR230
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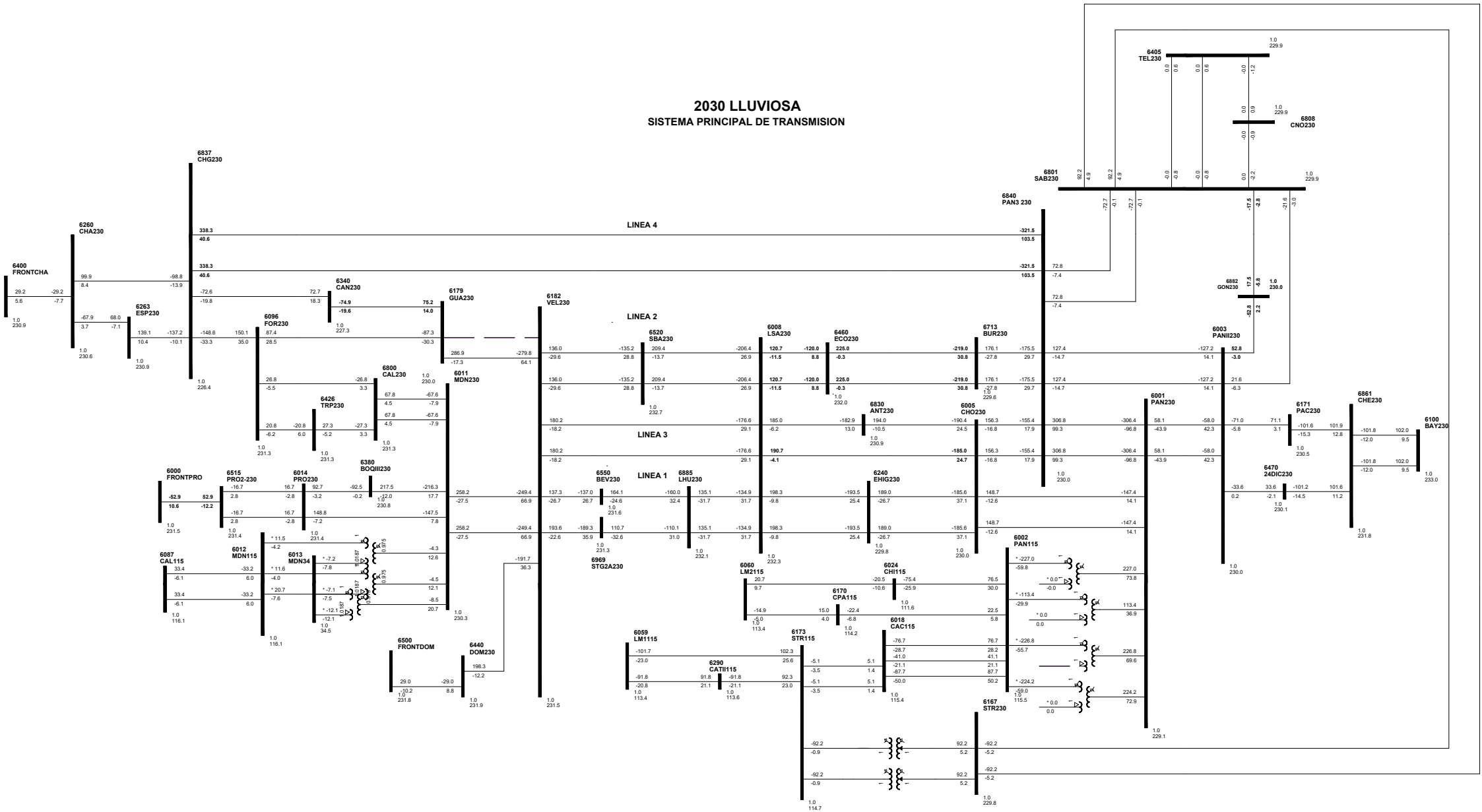
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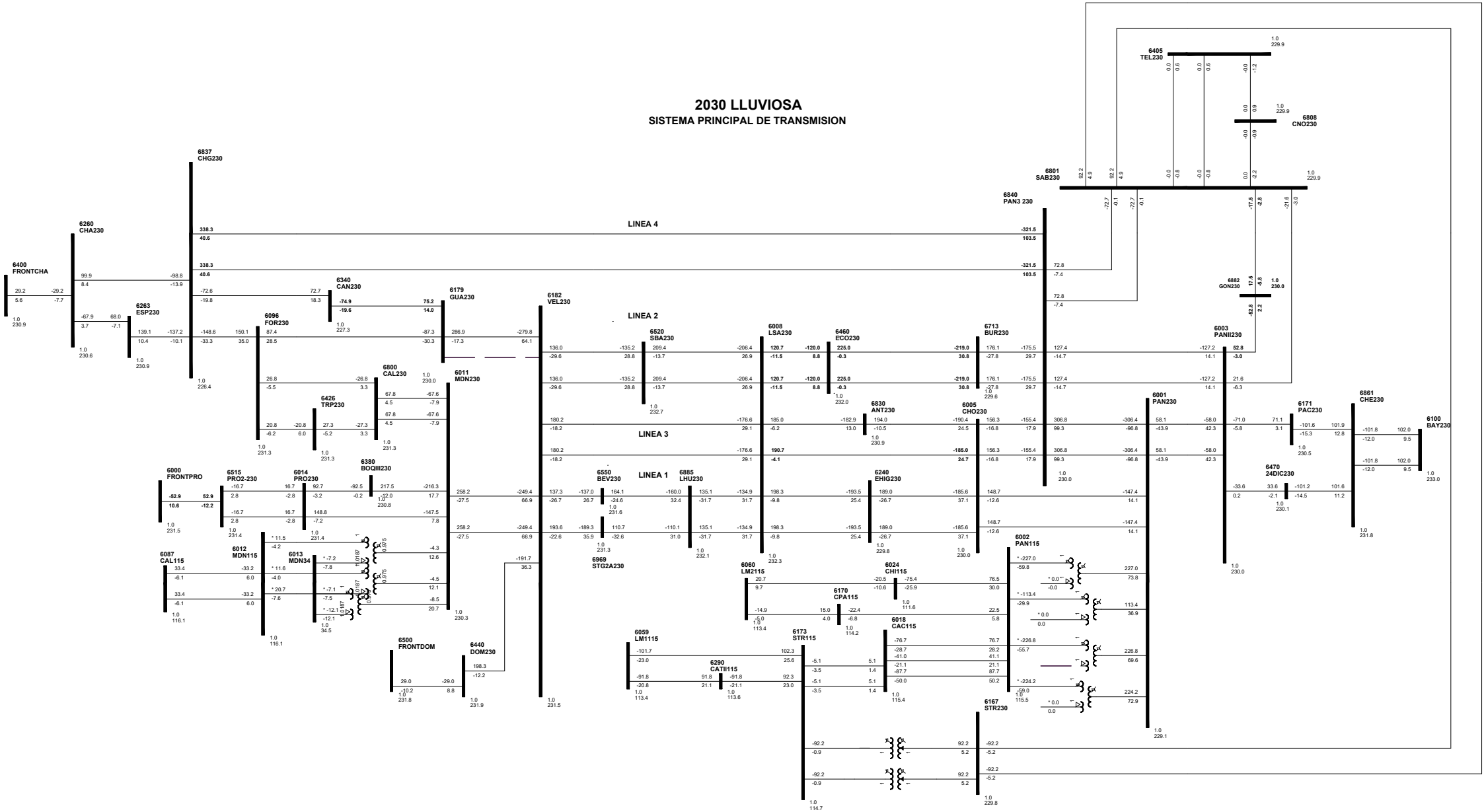
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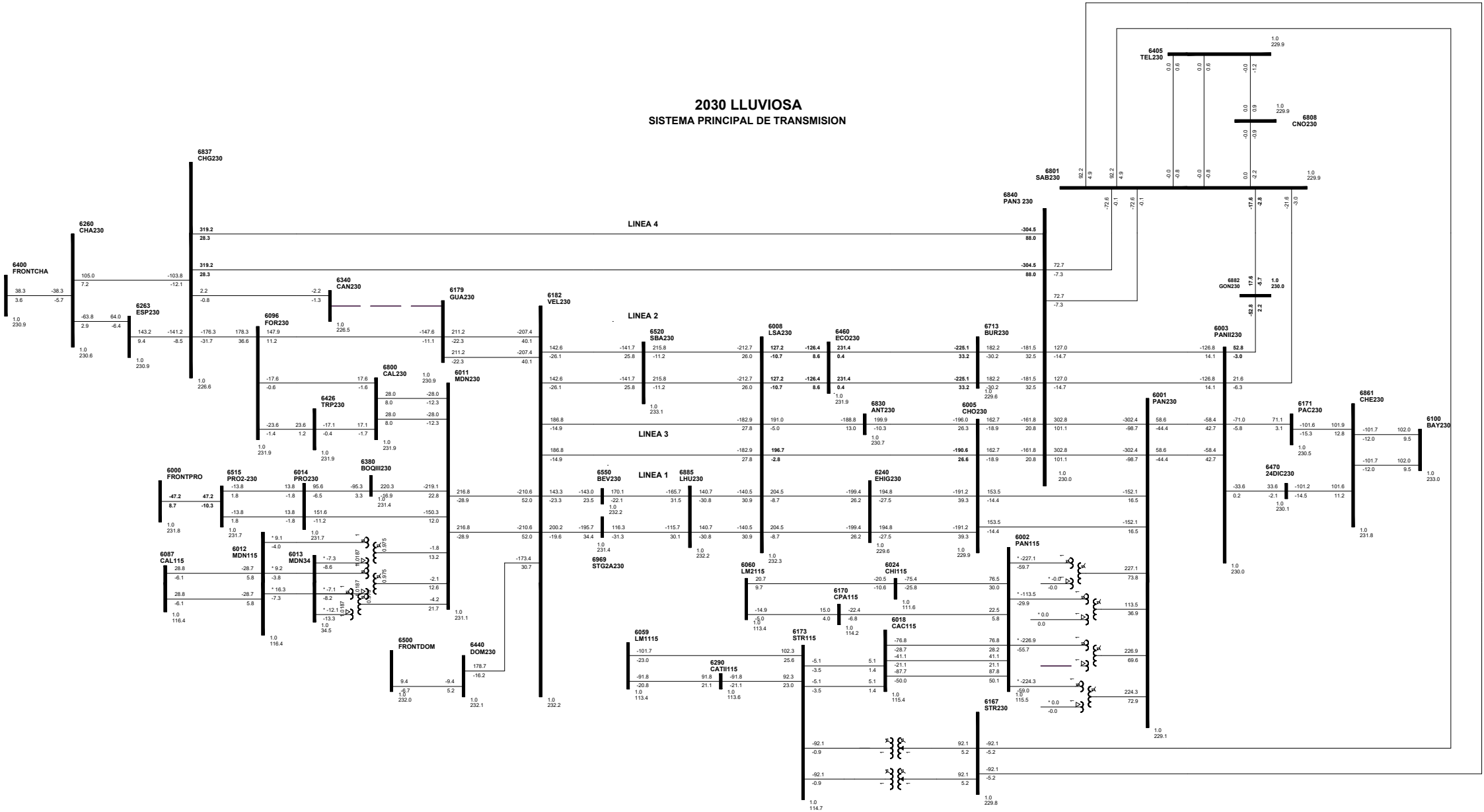
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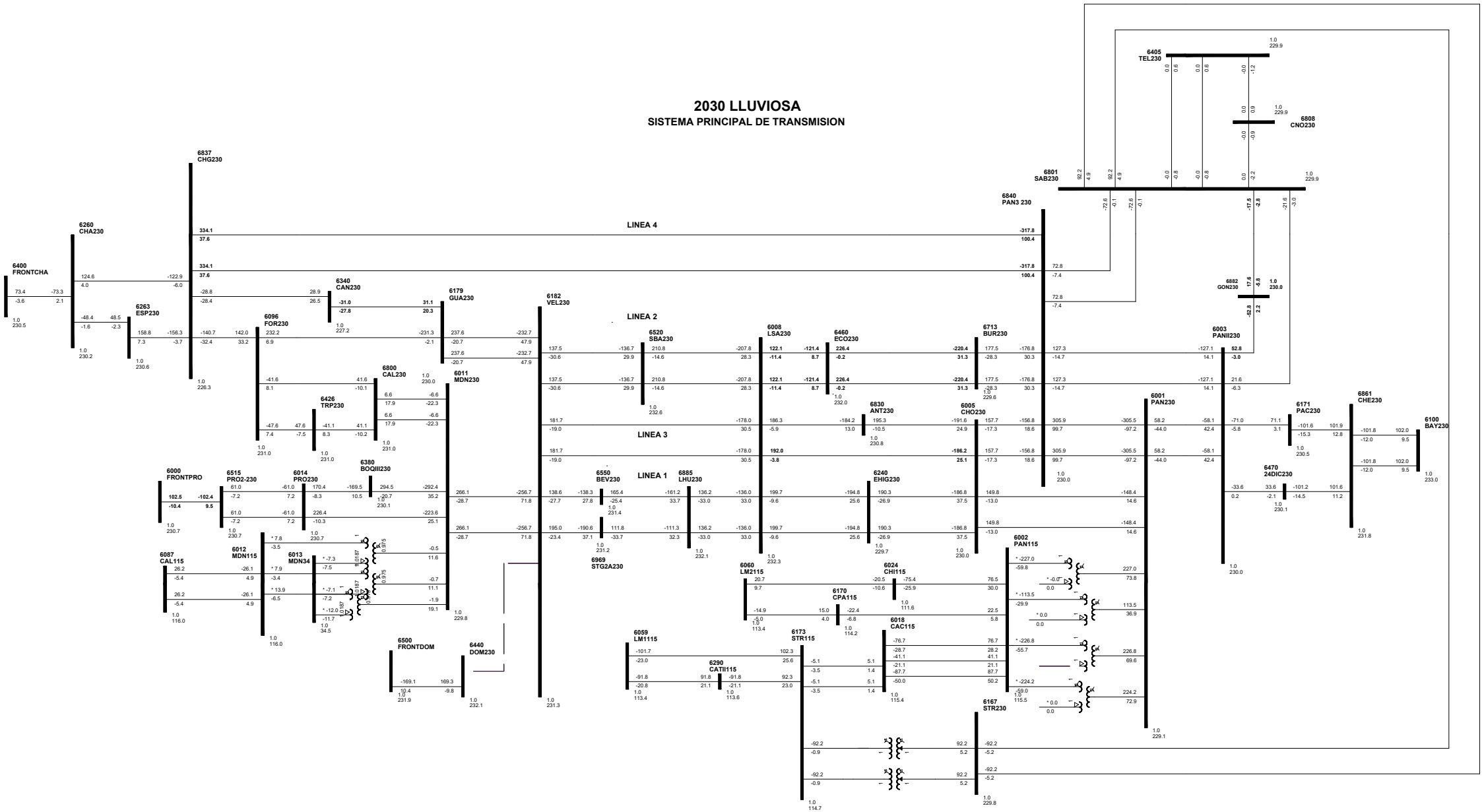
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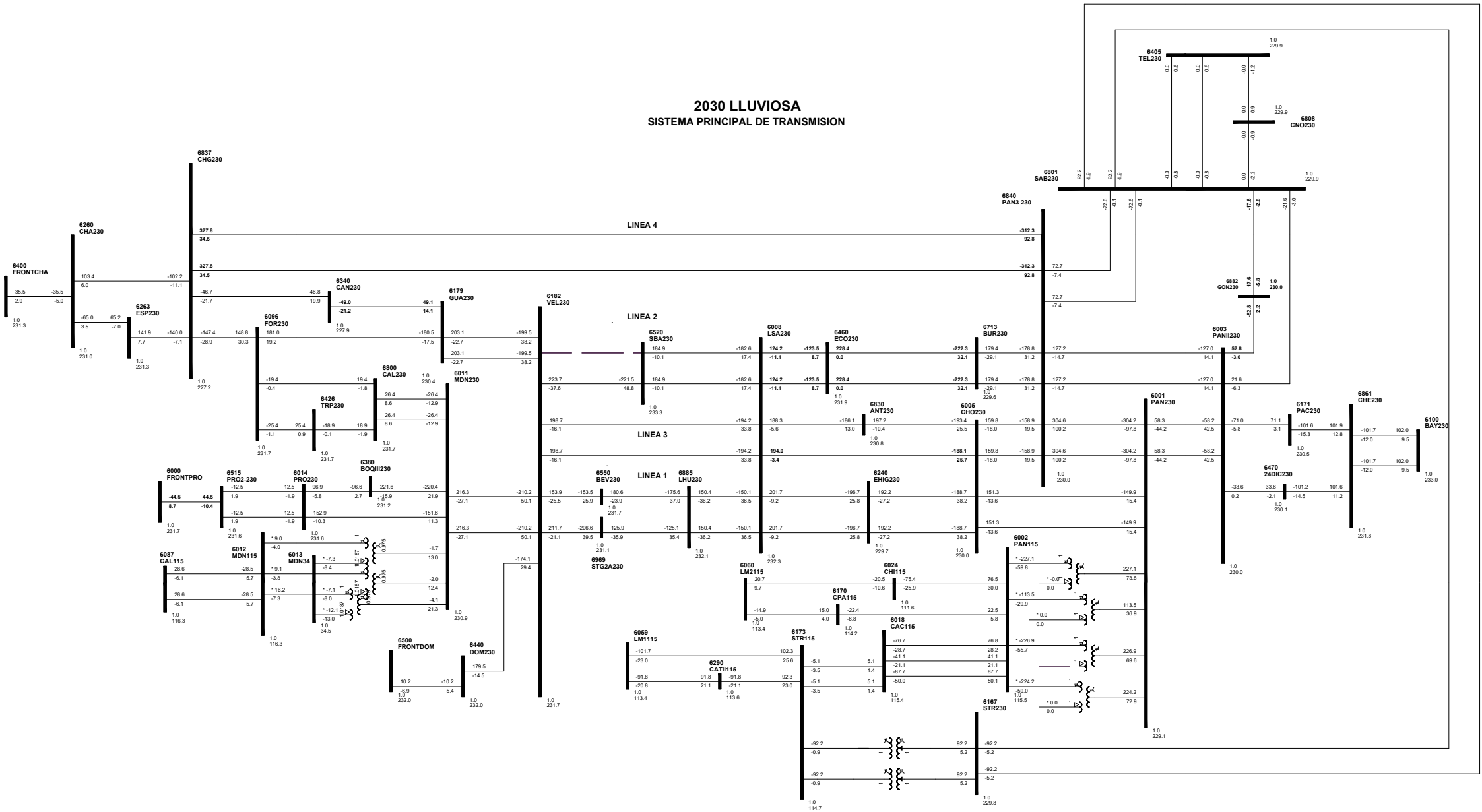
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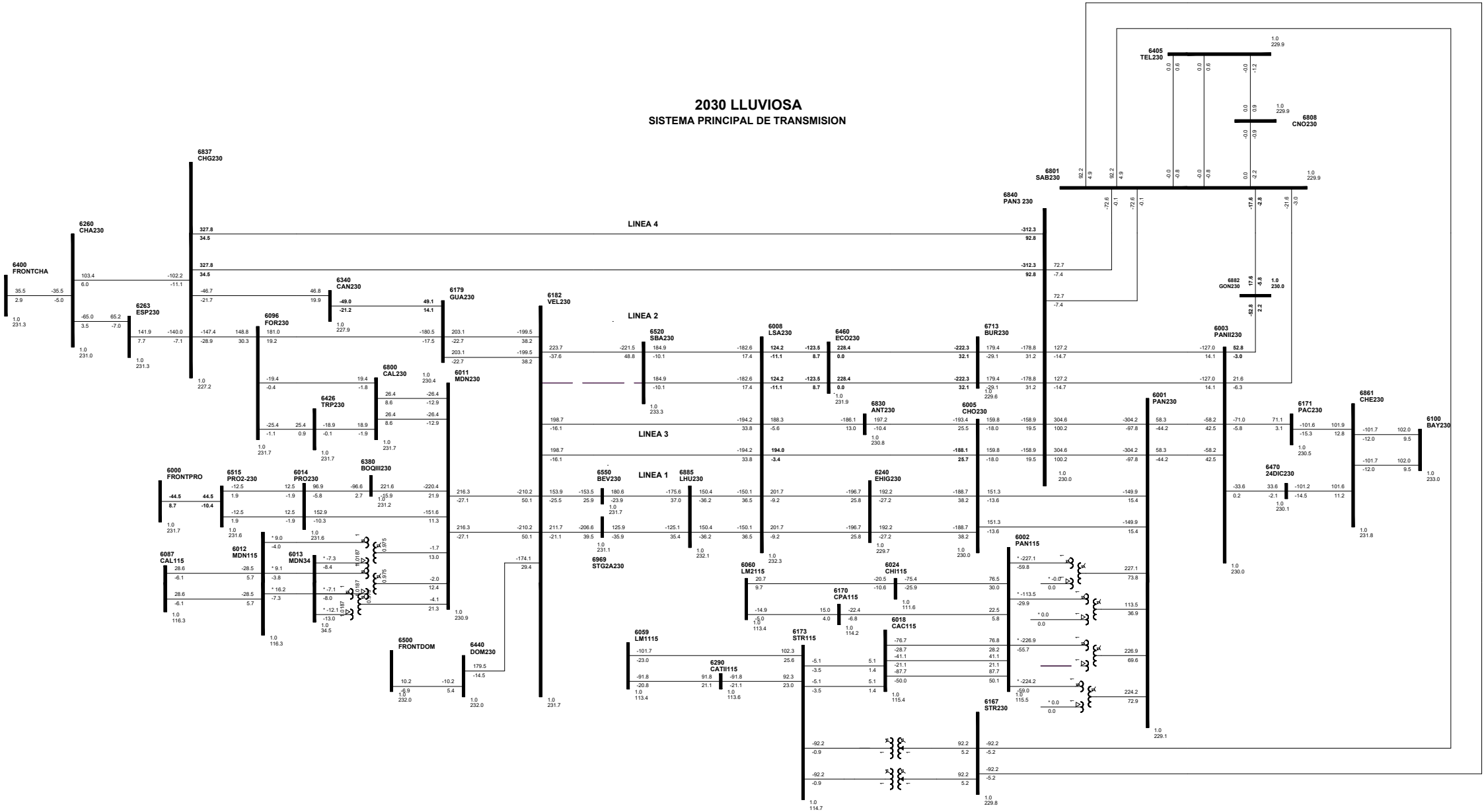
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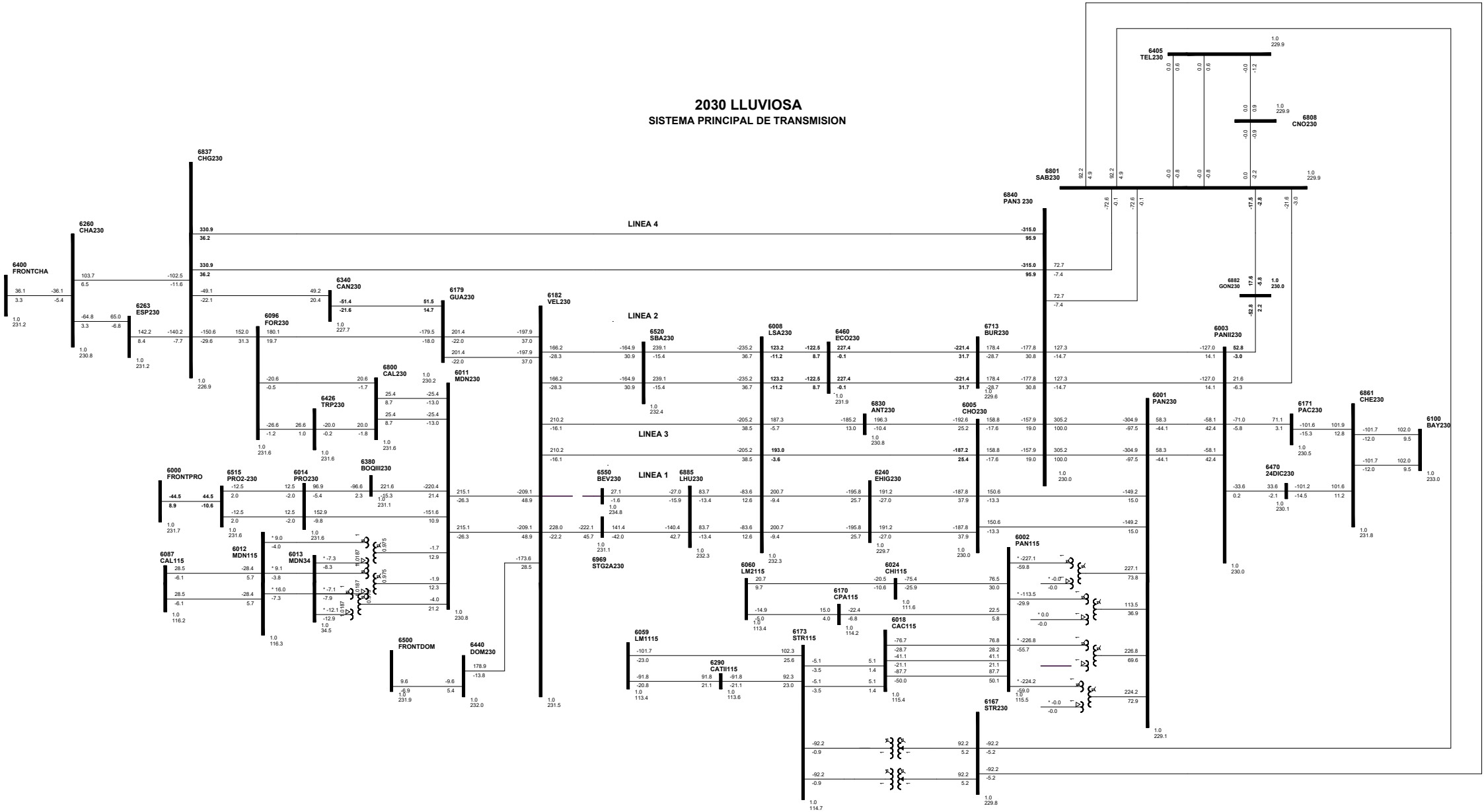
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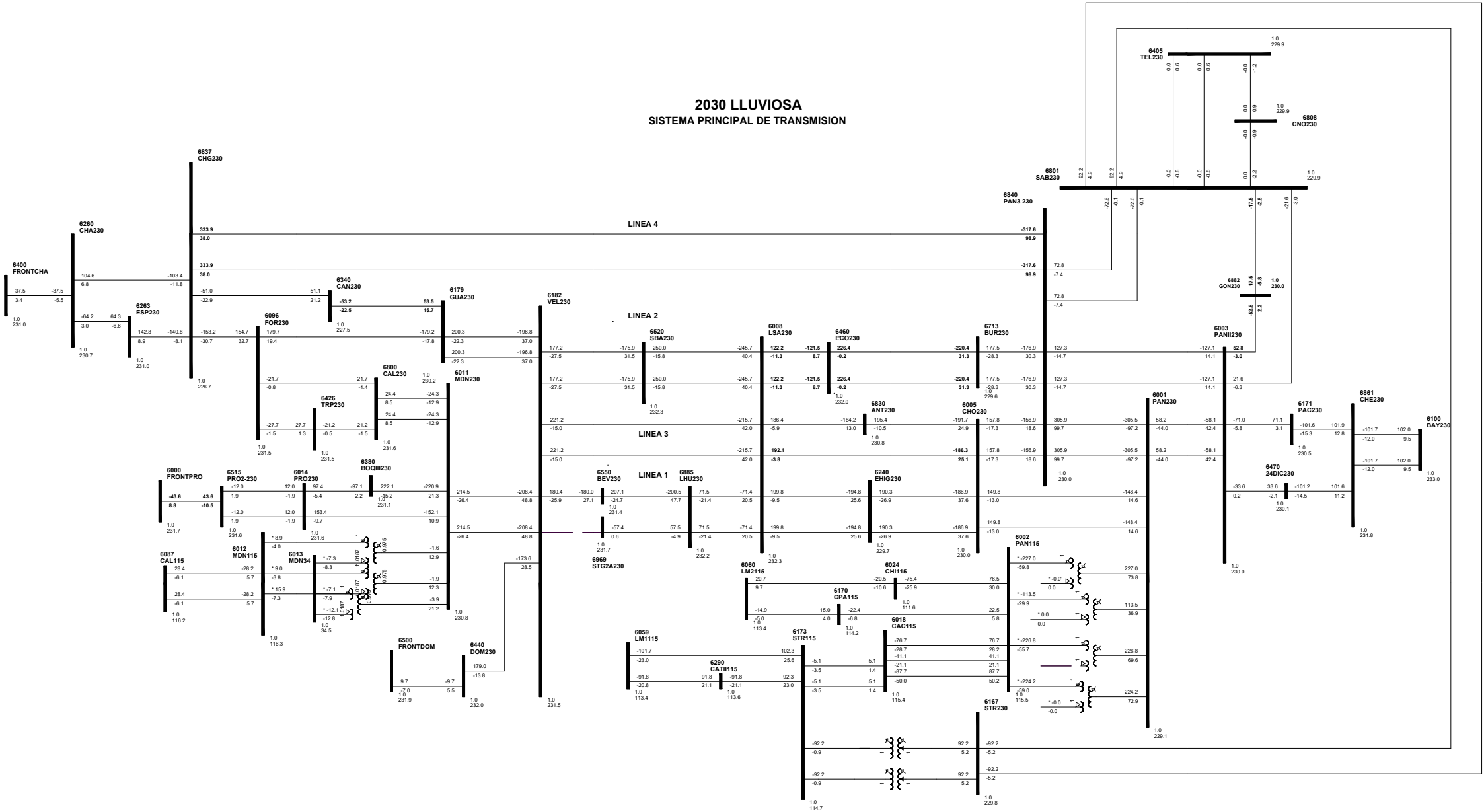
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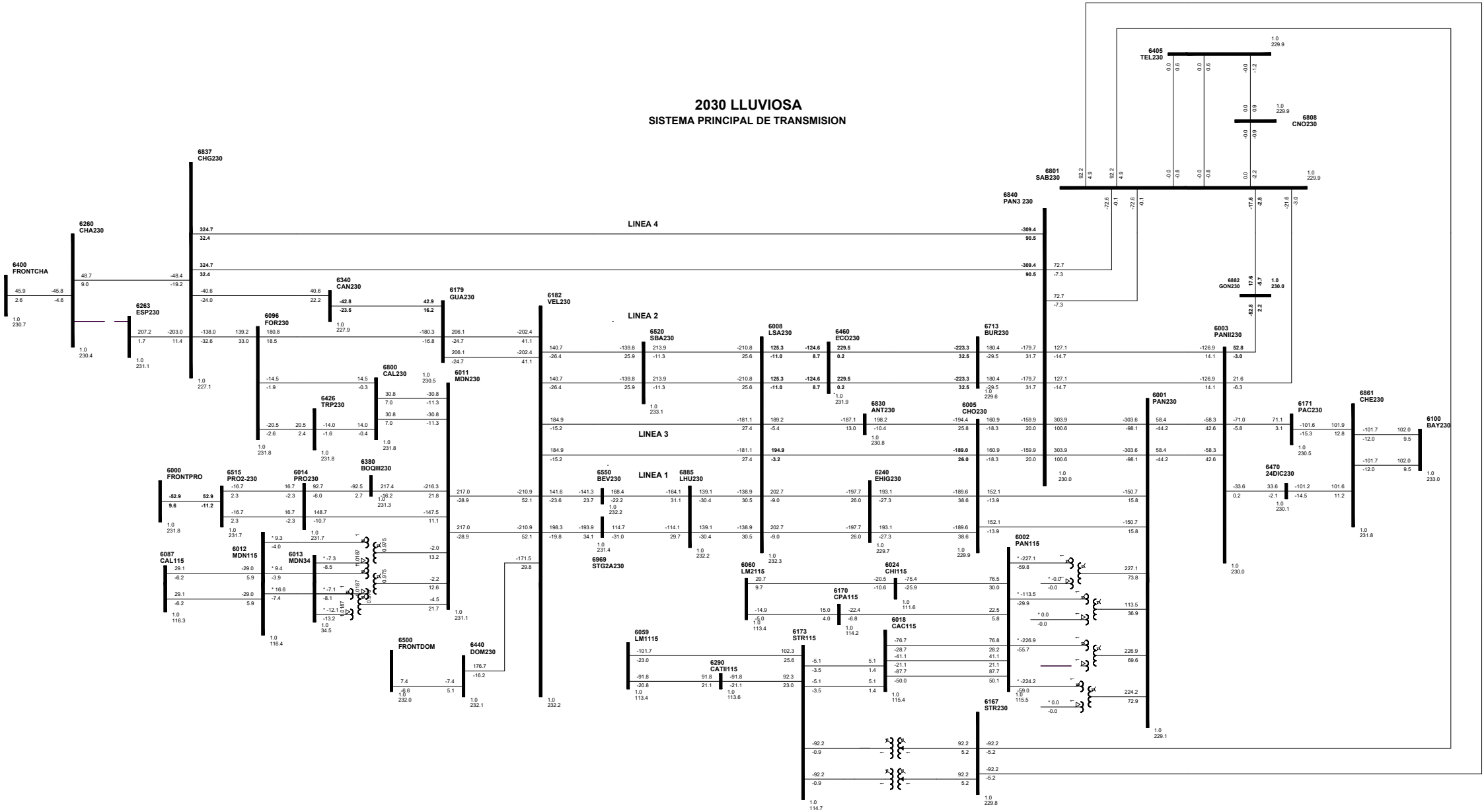
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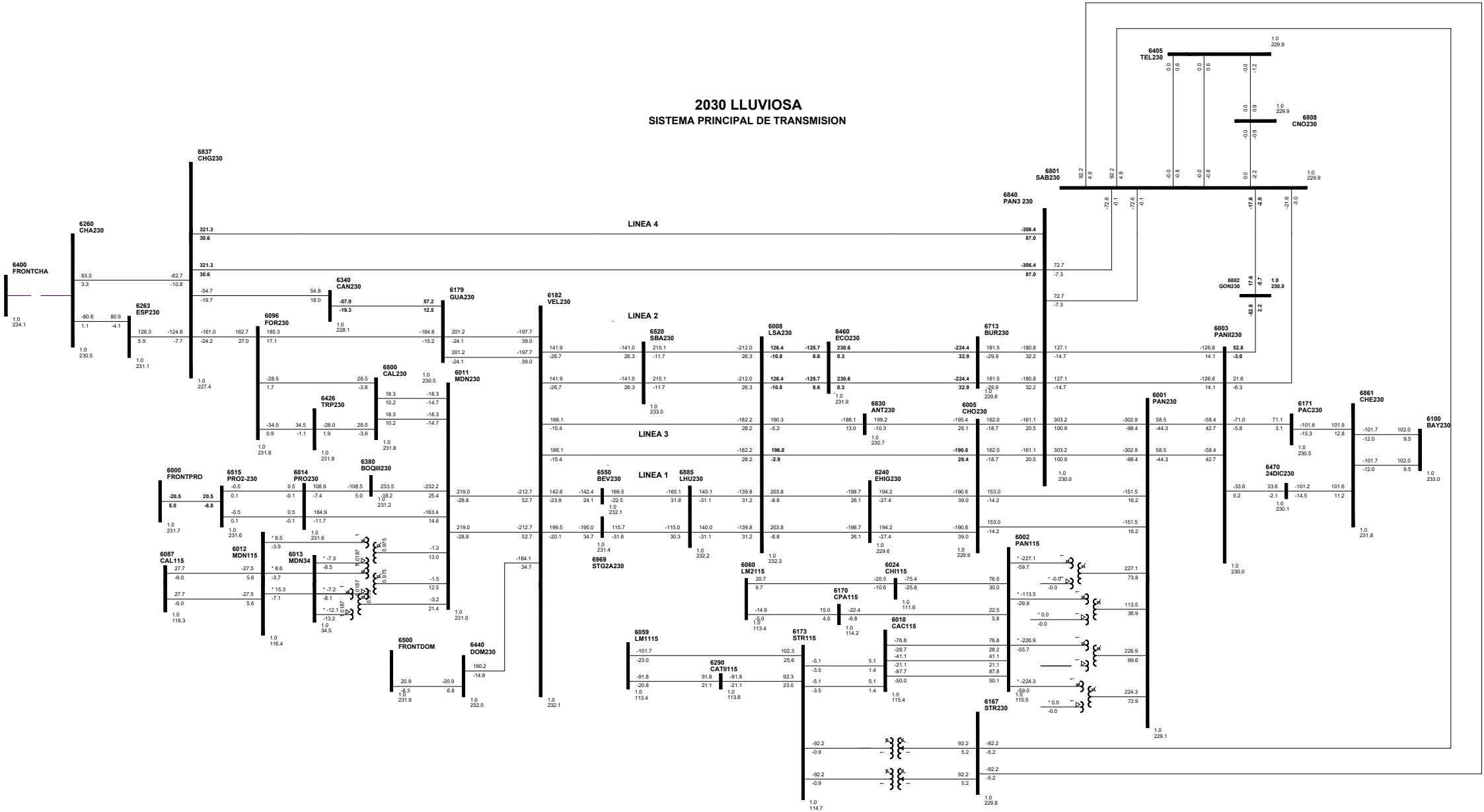
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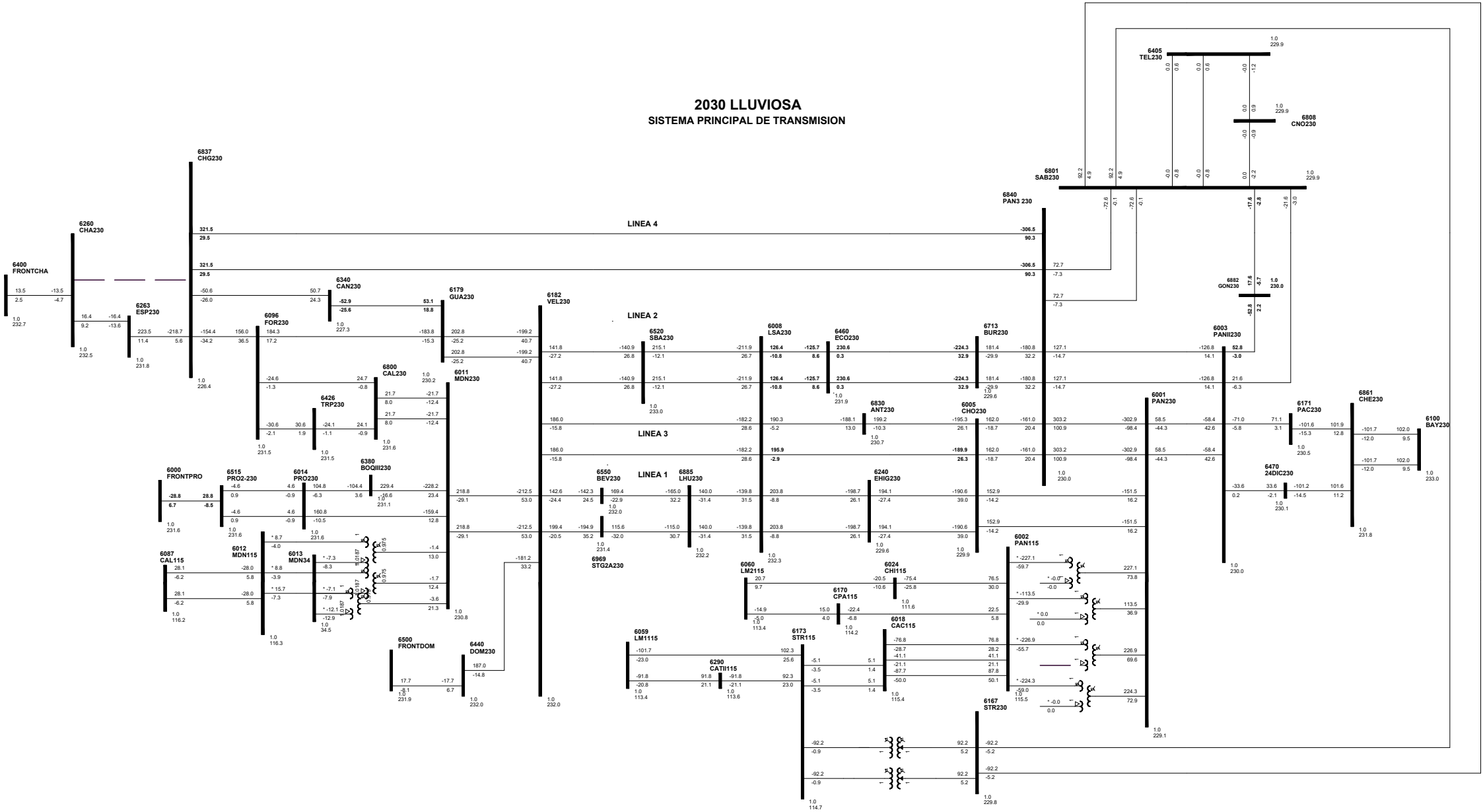
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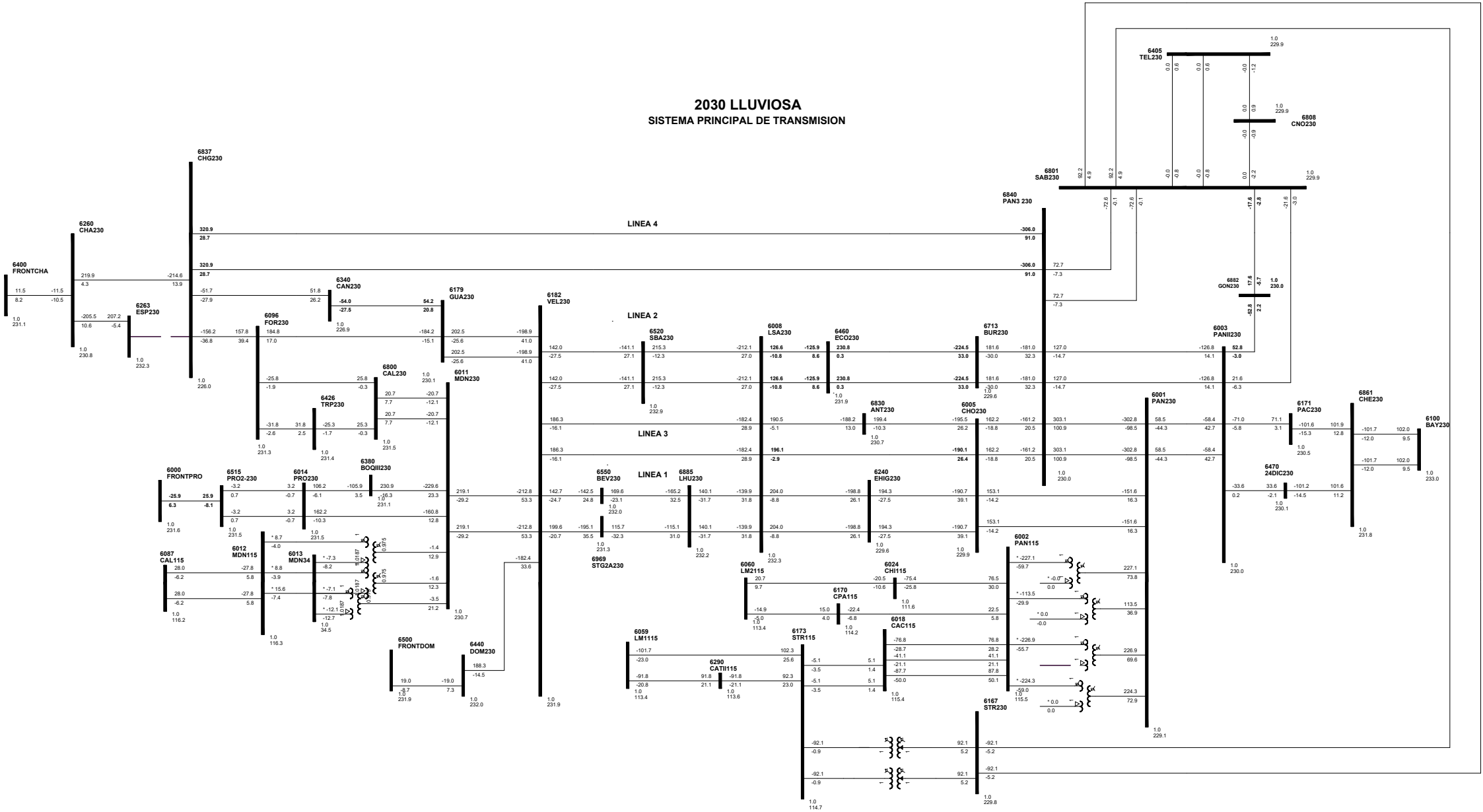
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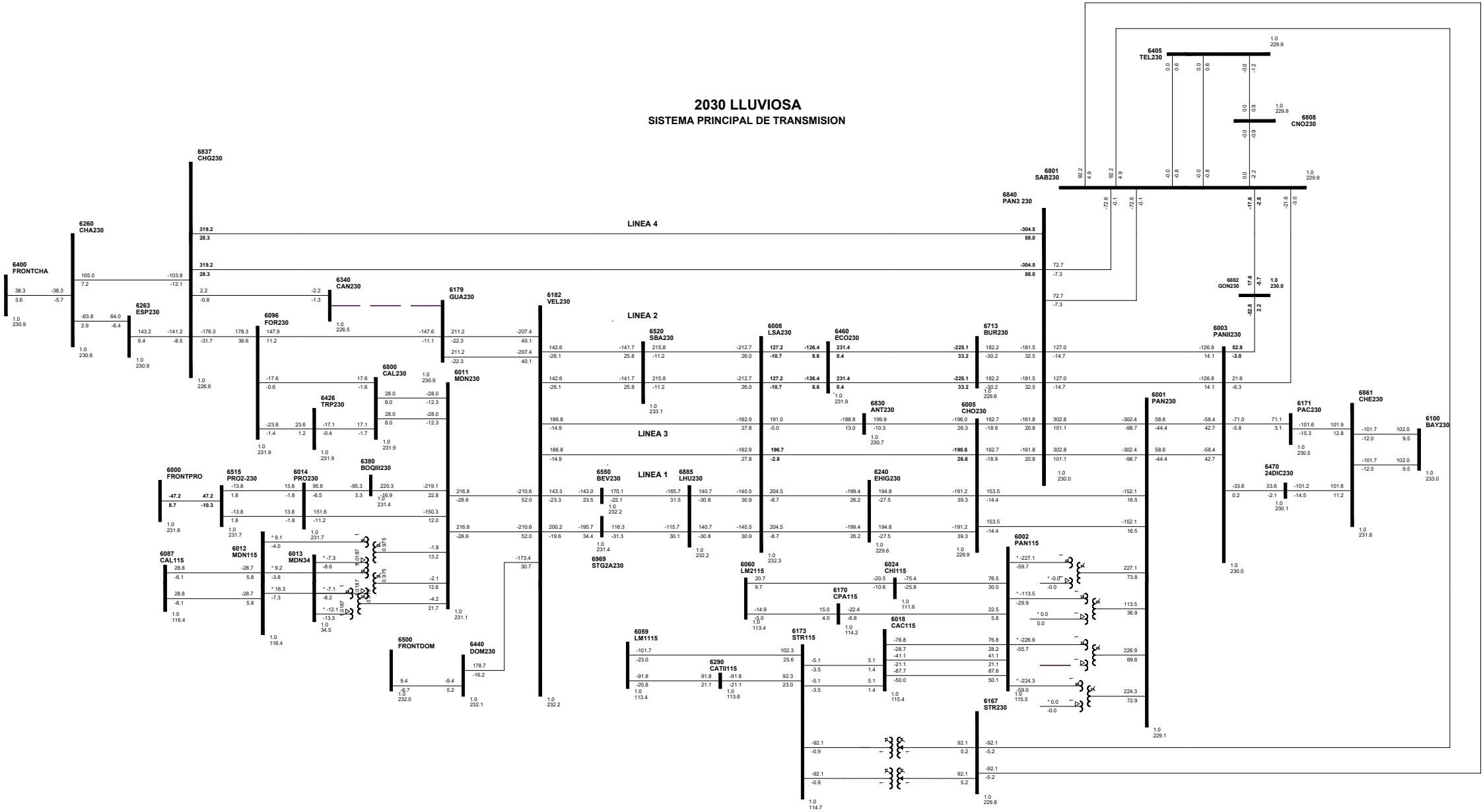
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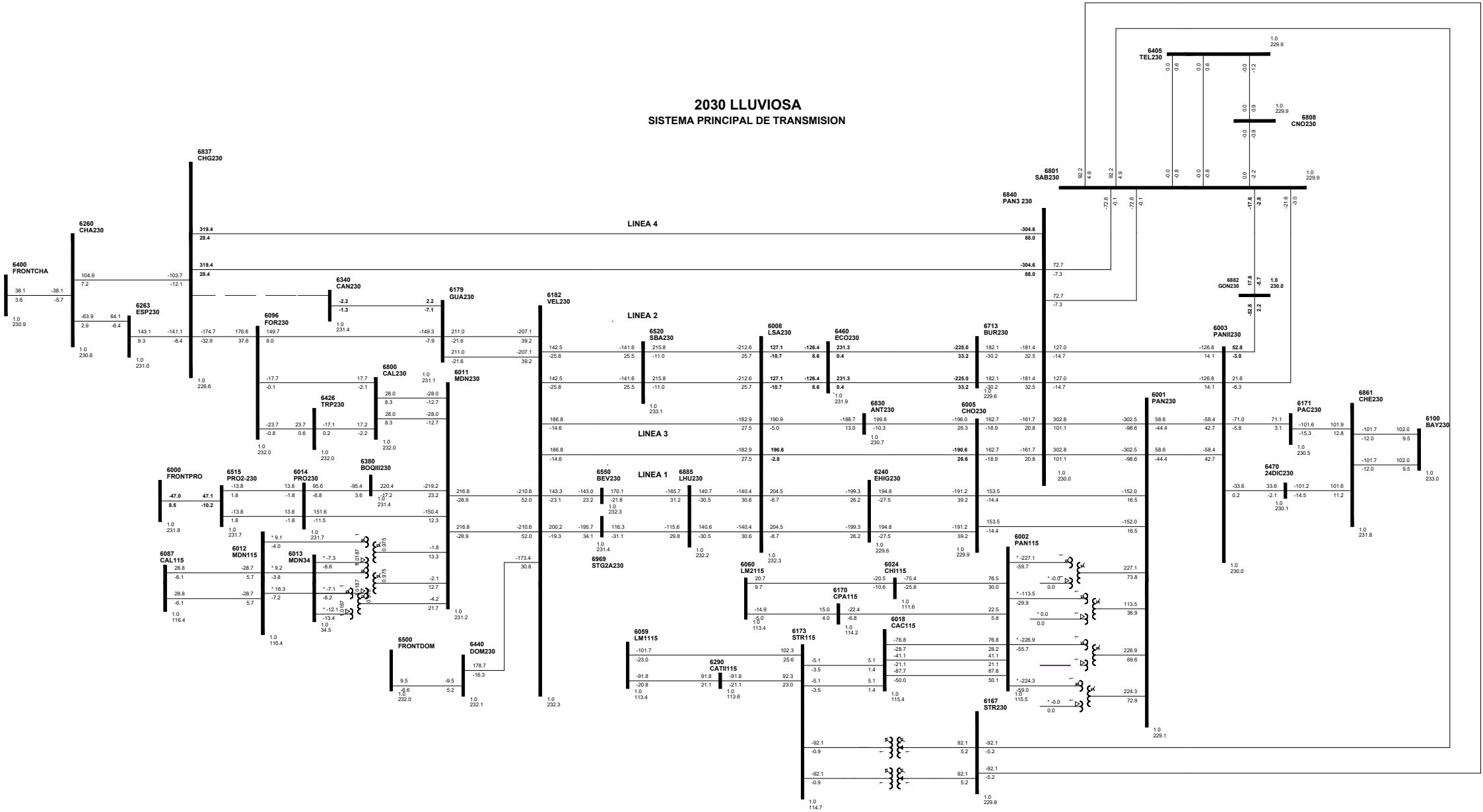
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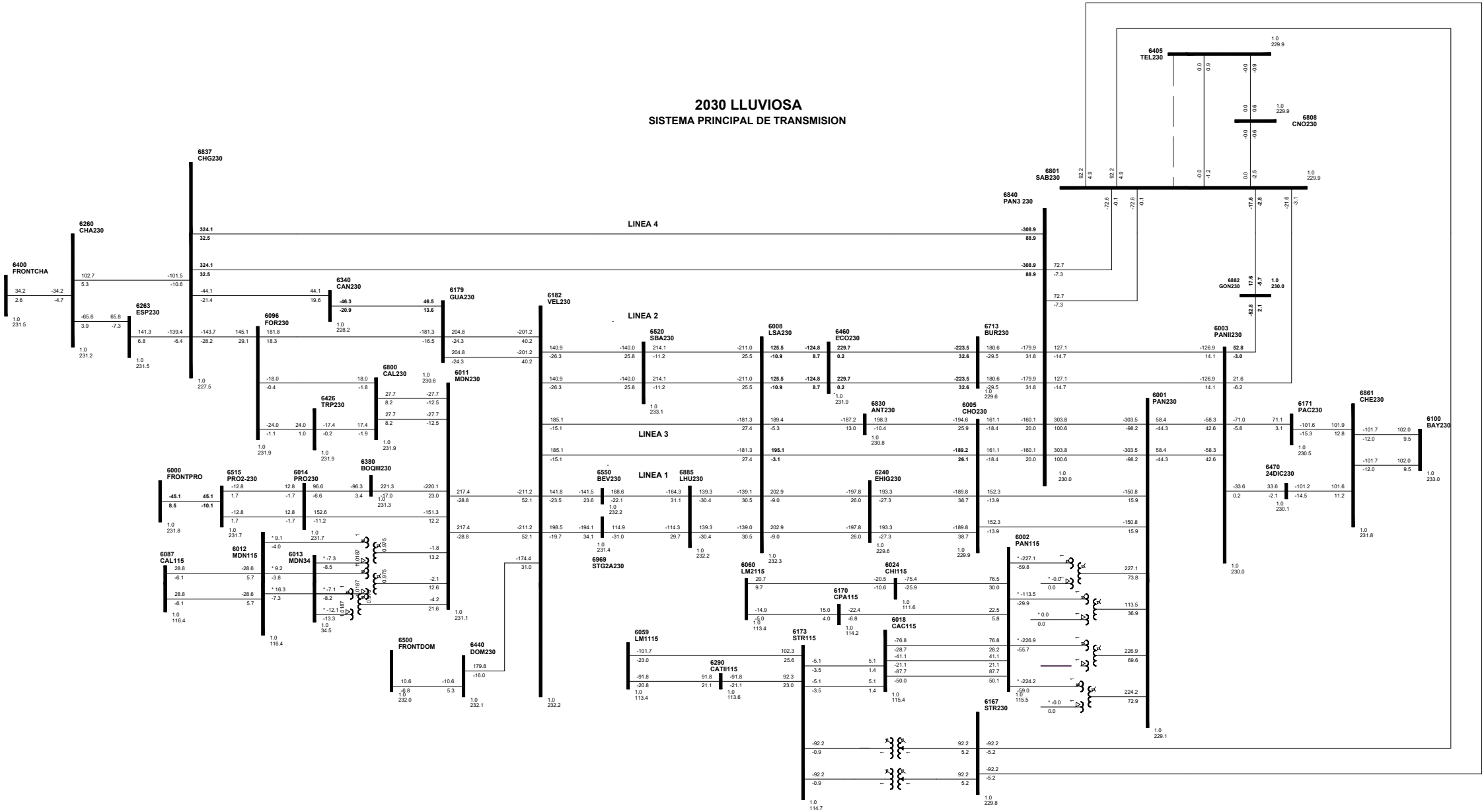
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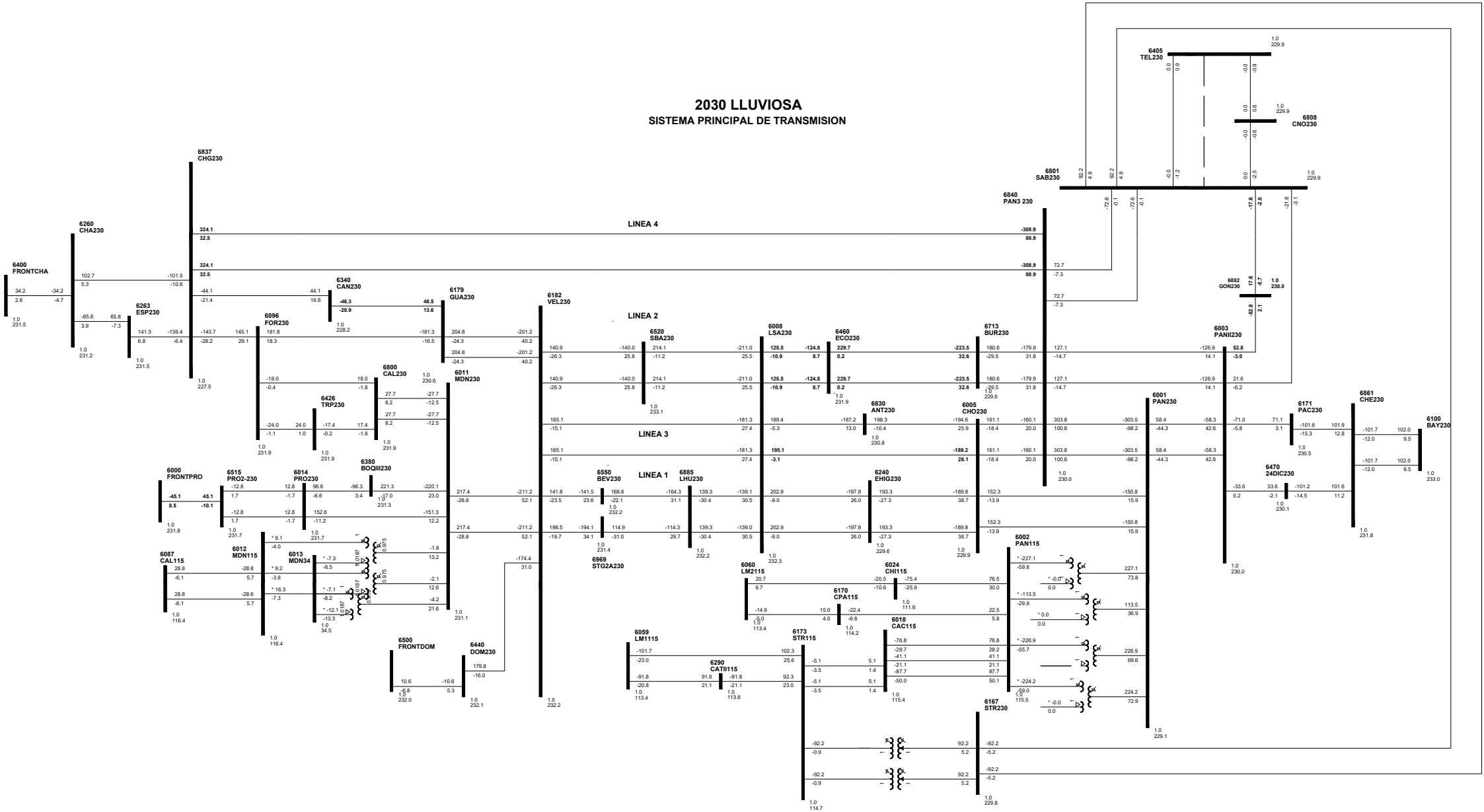
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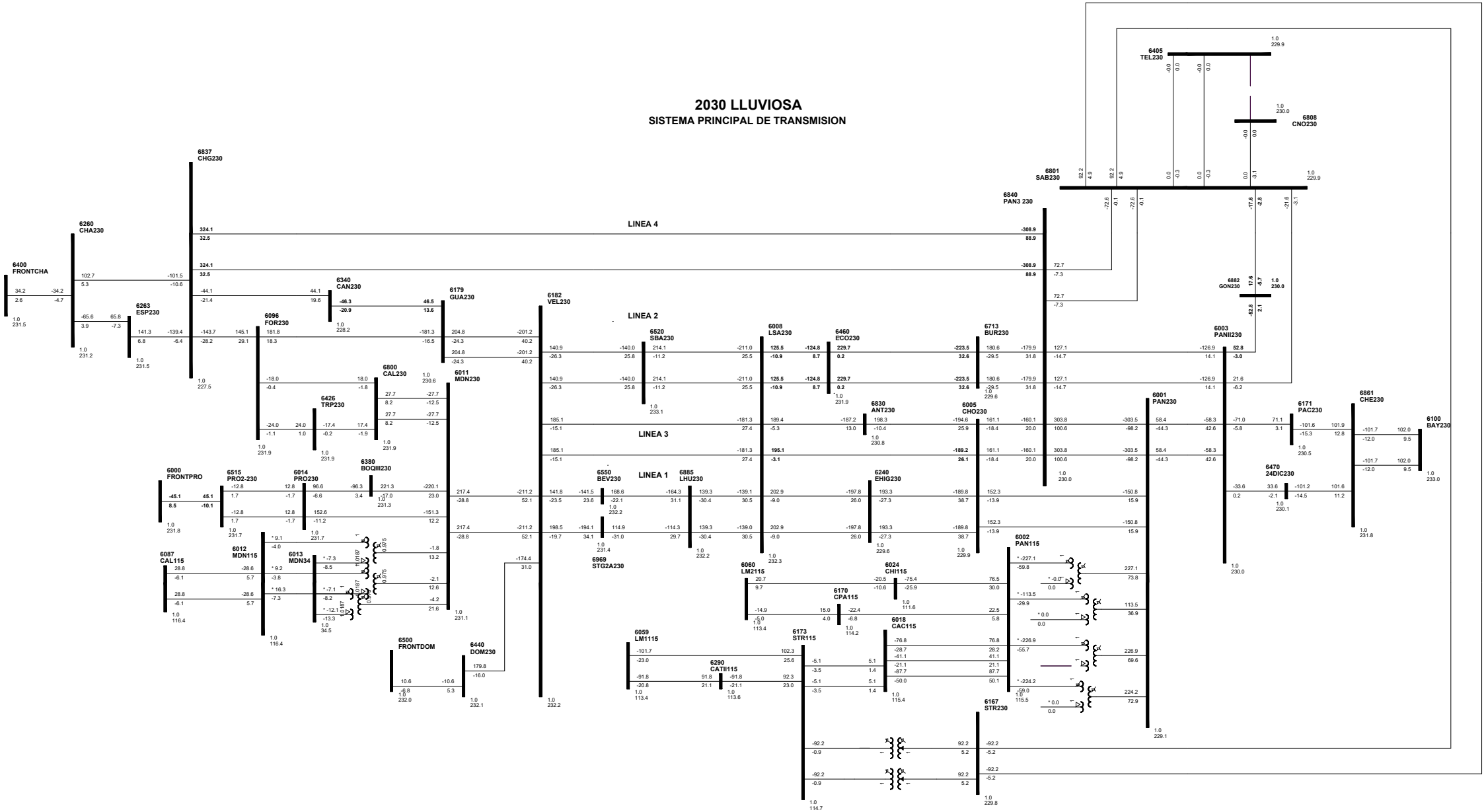
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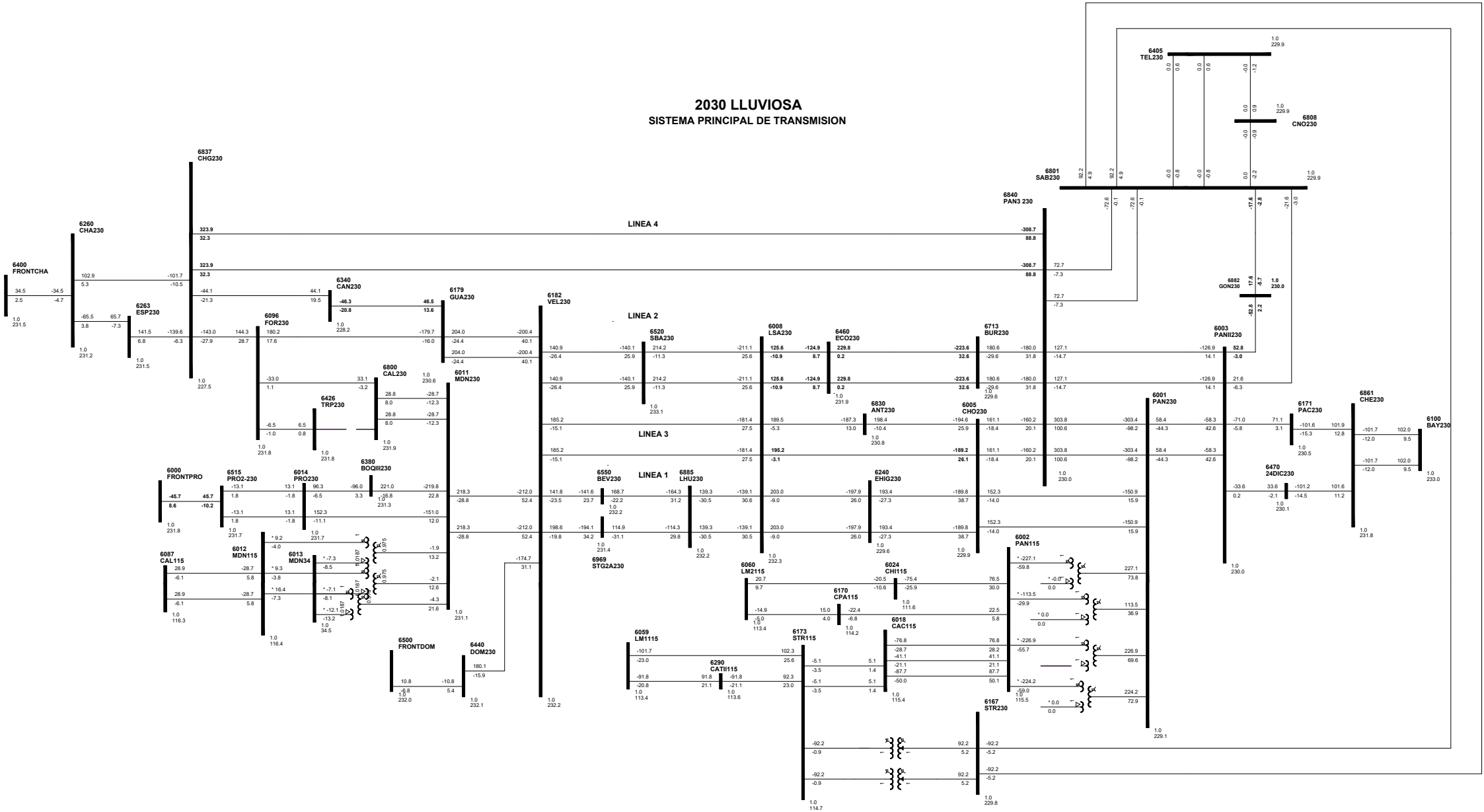
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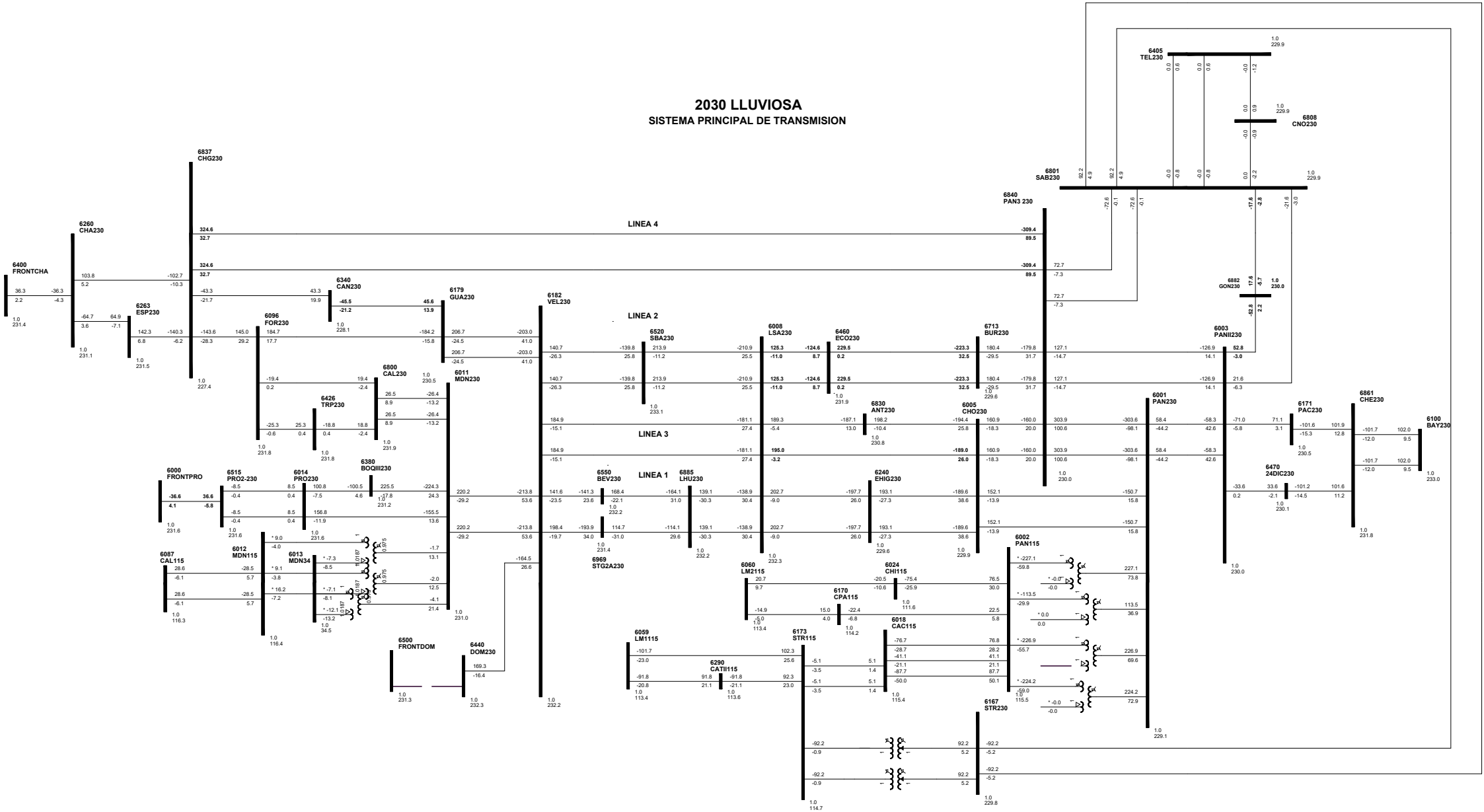
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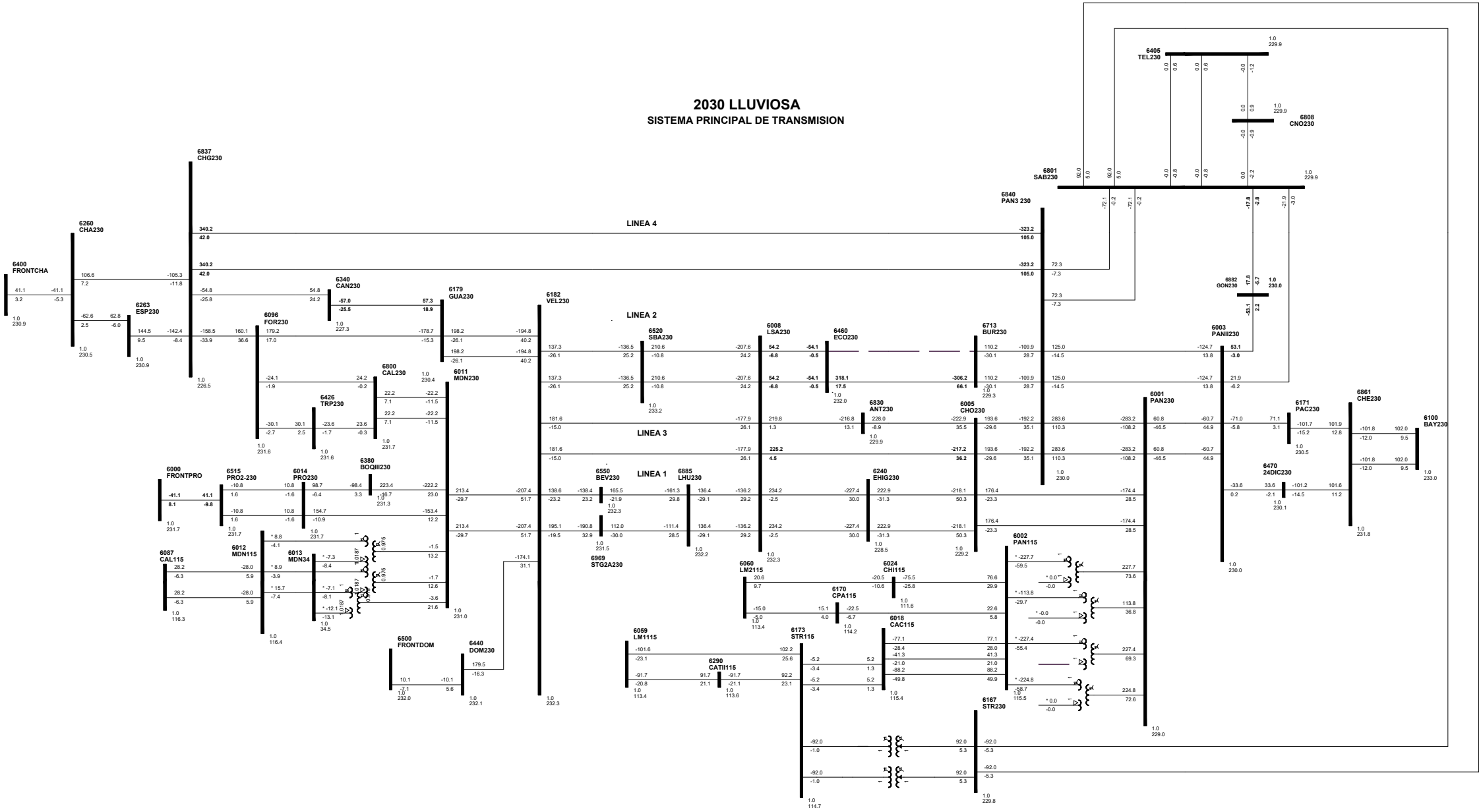
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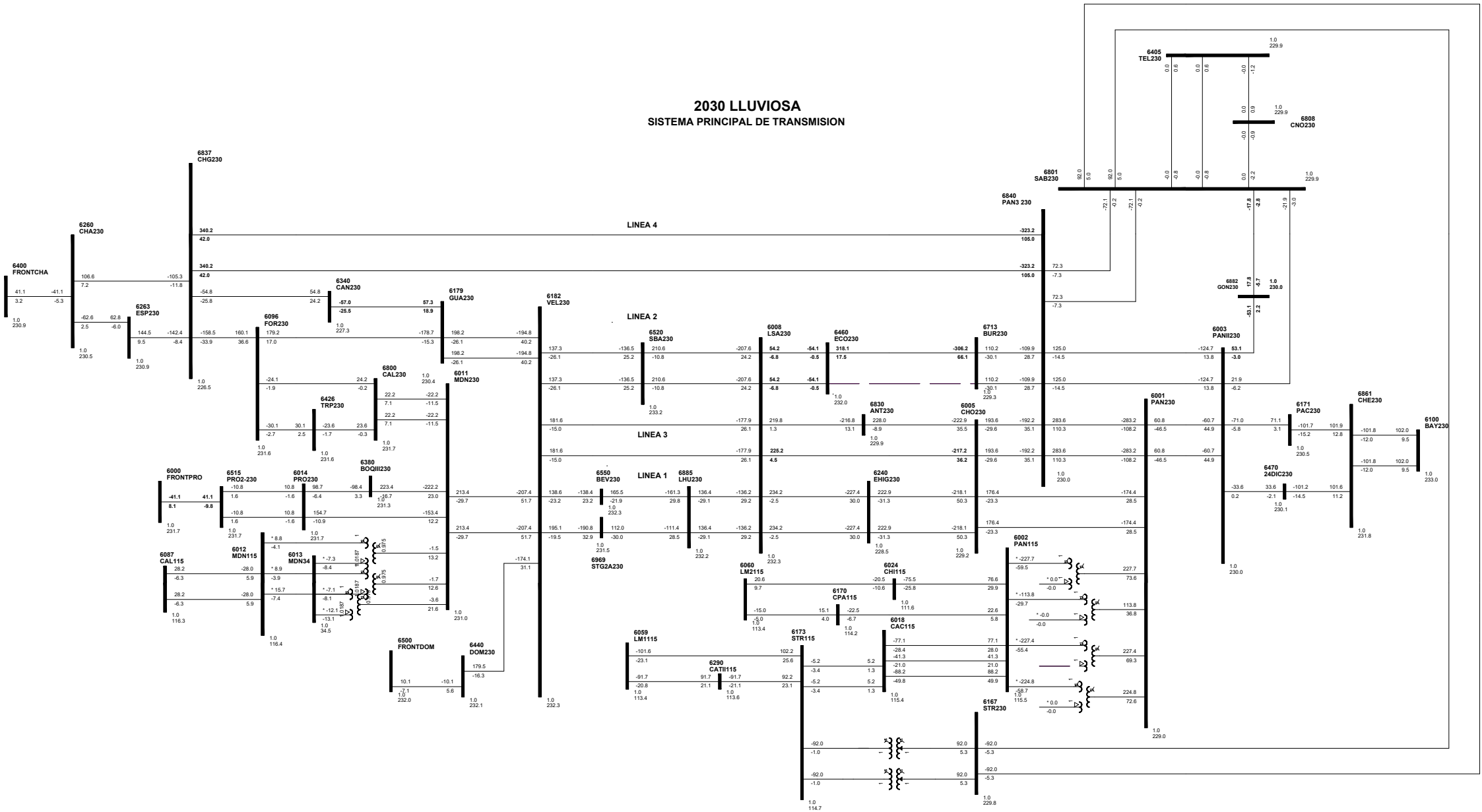
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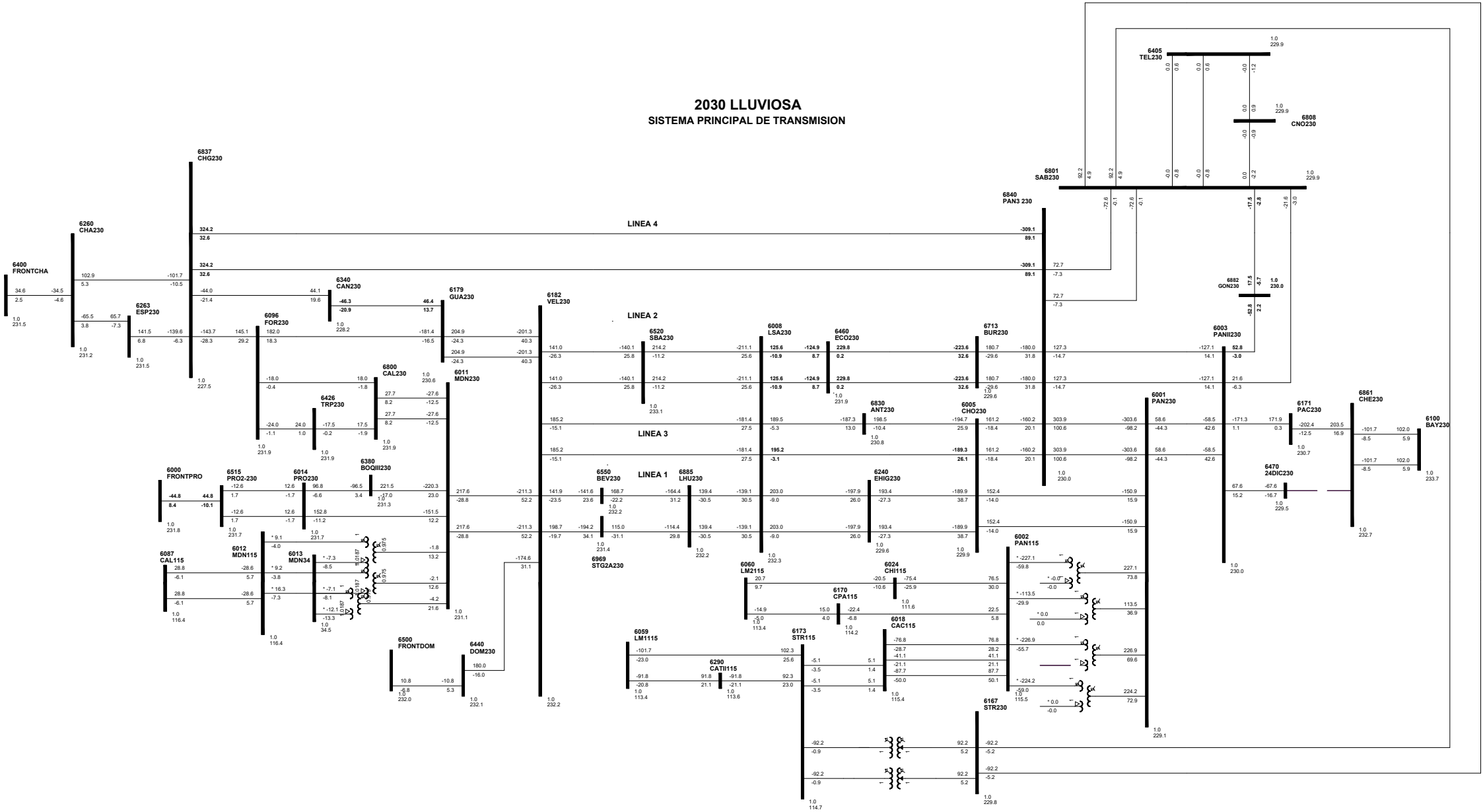
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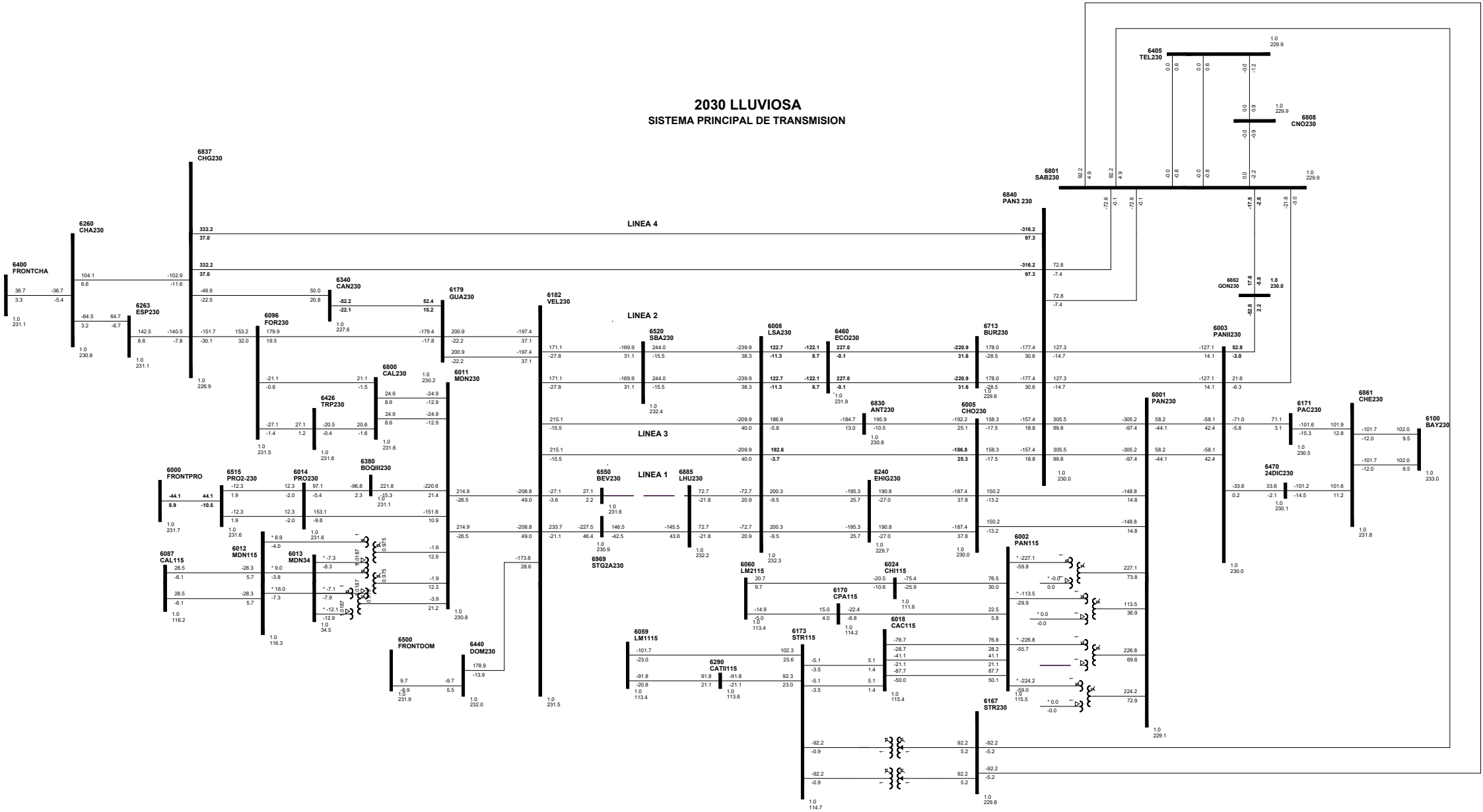
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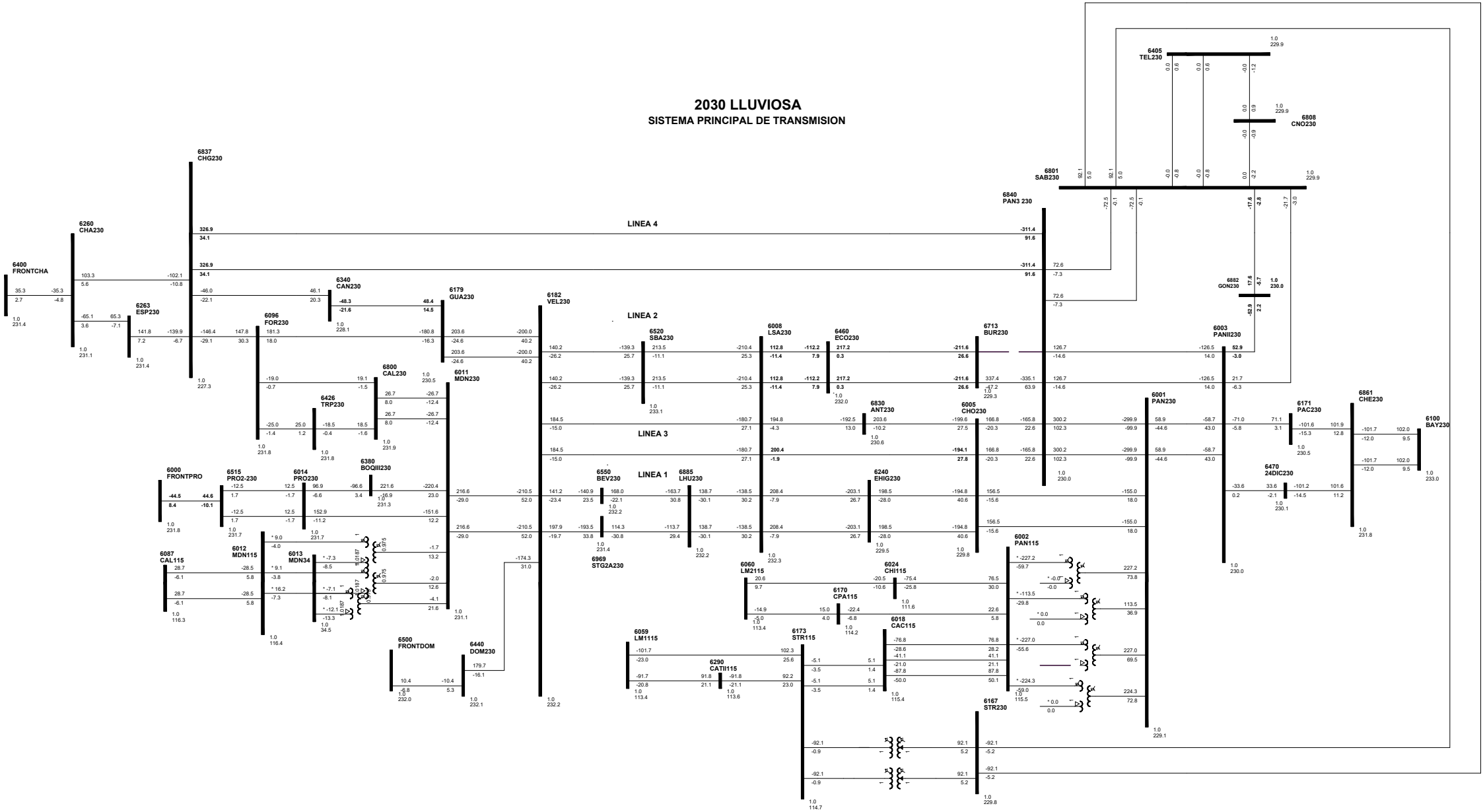
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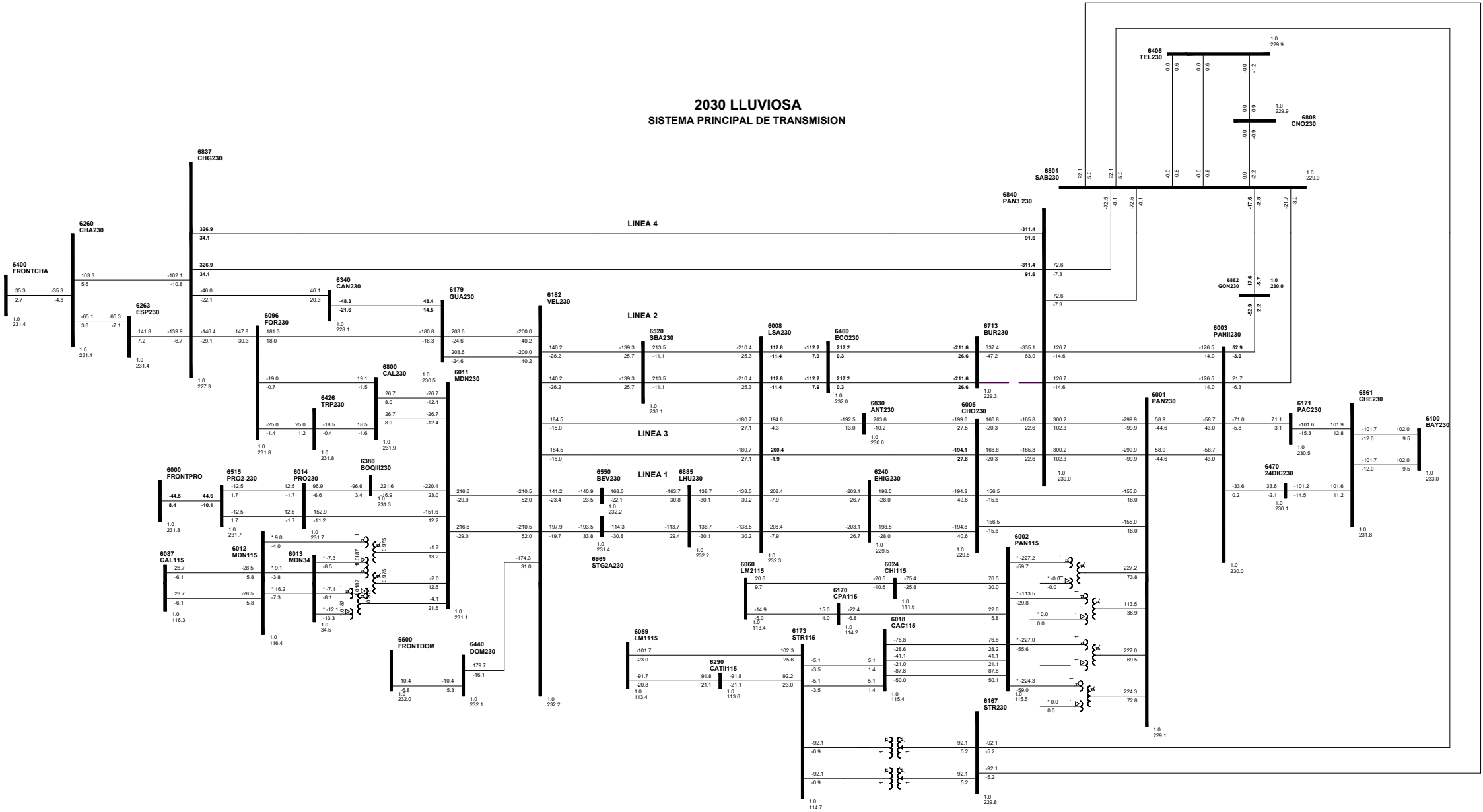
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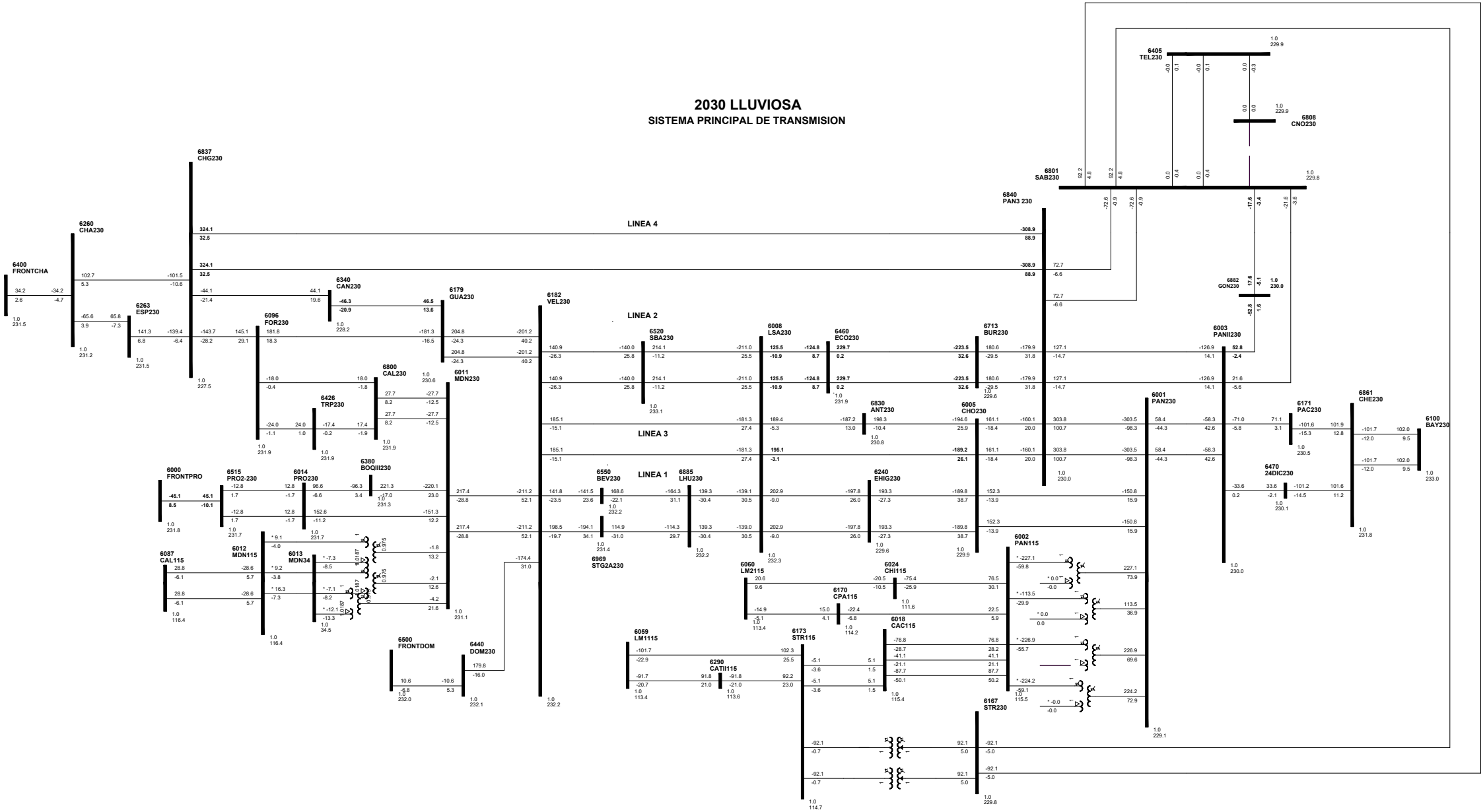
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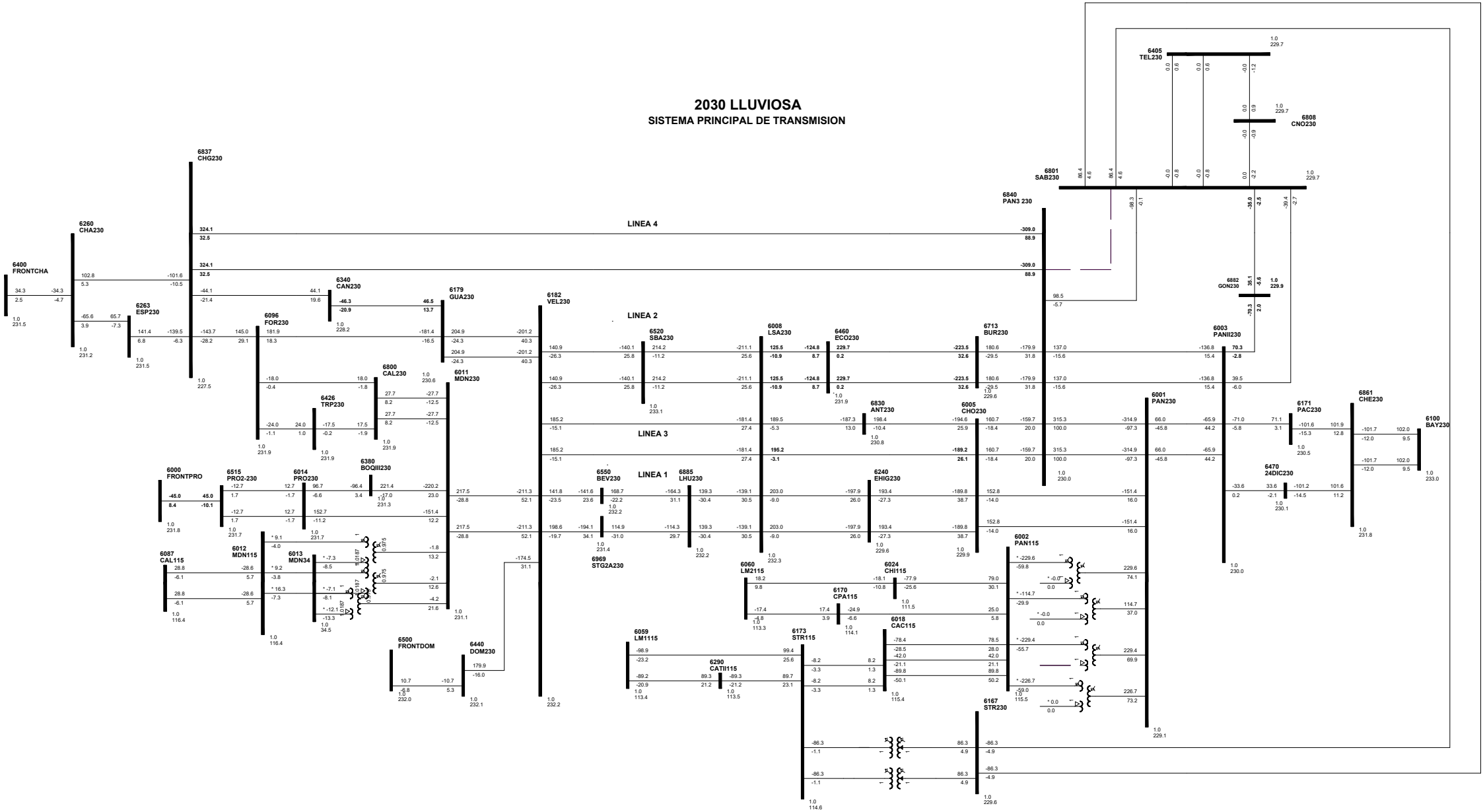
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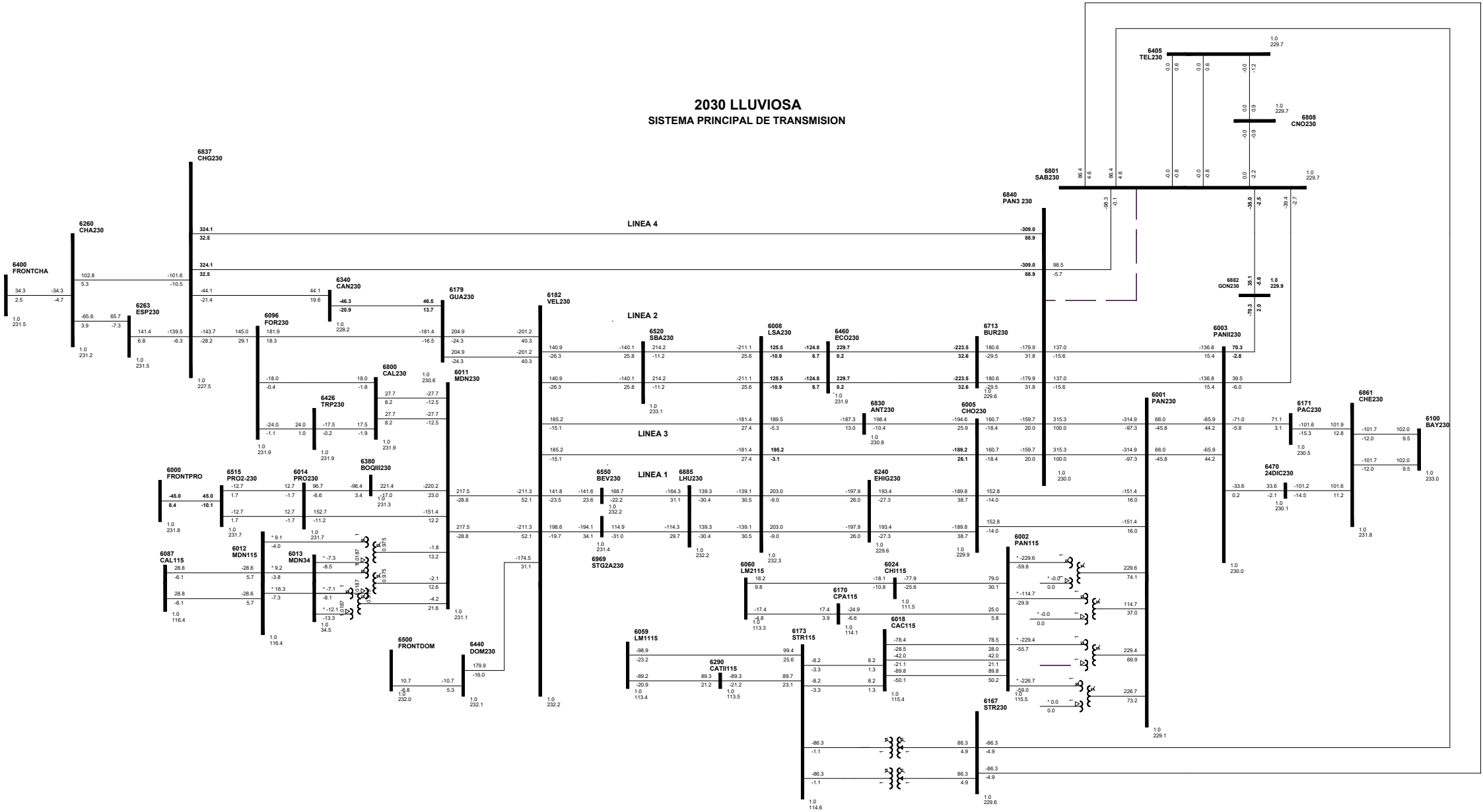
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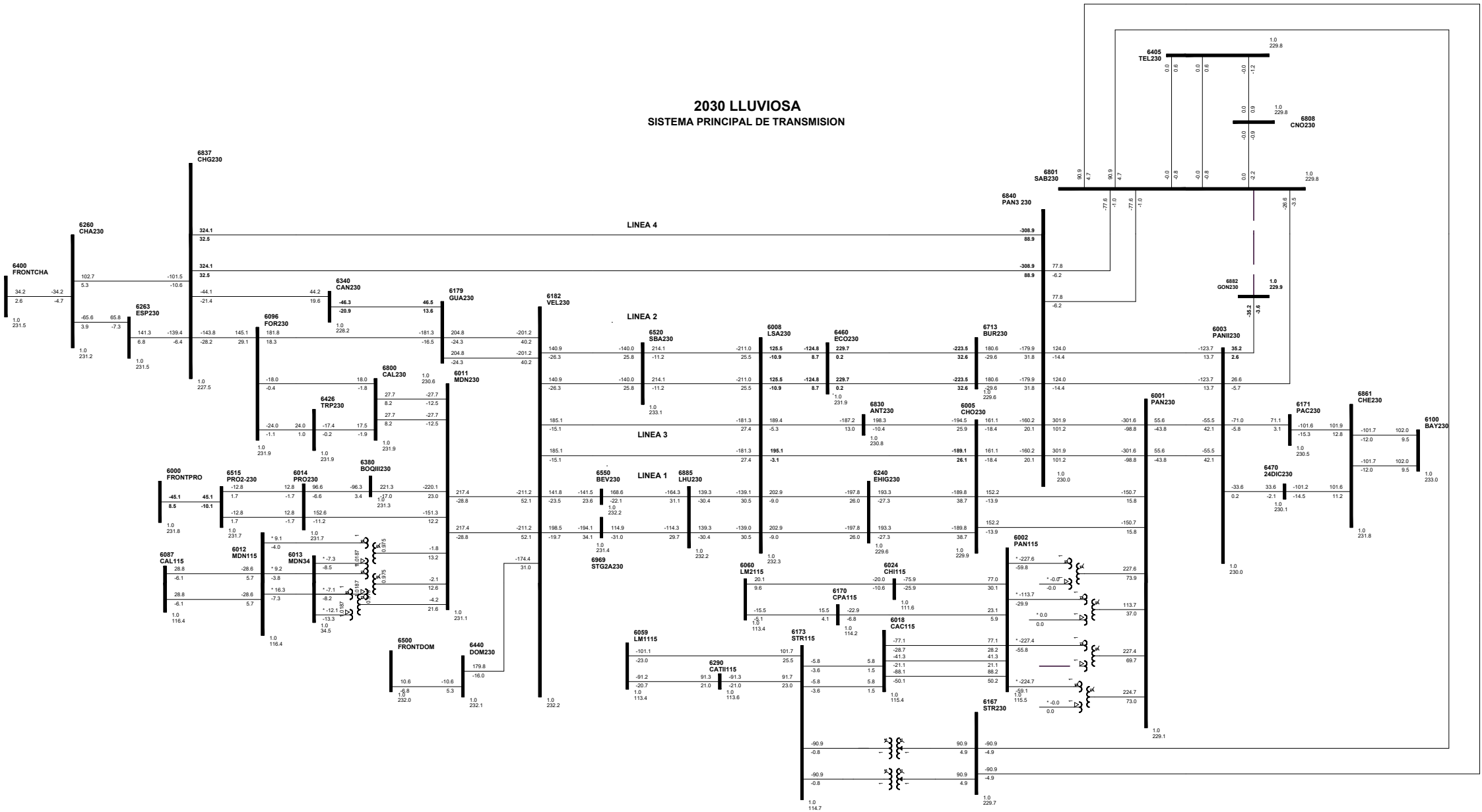
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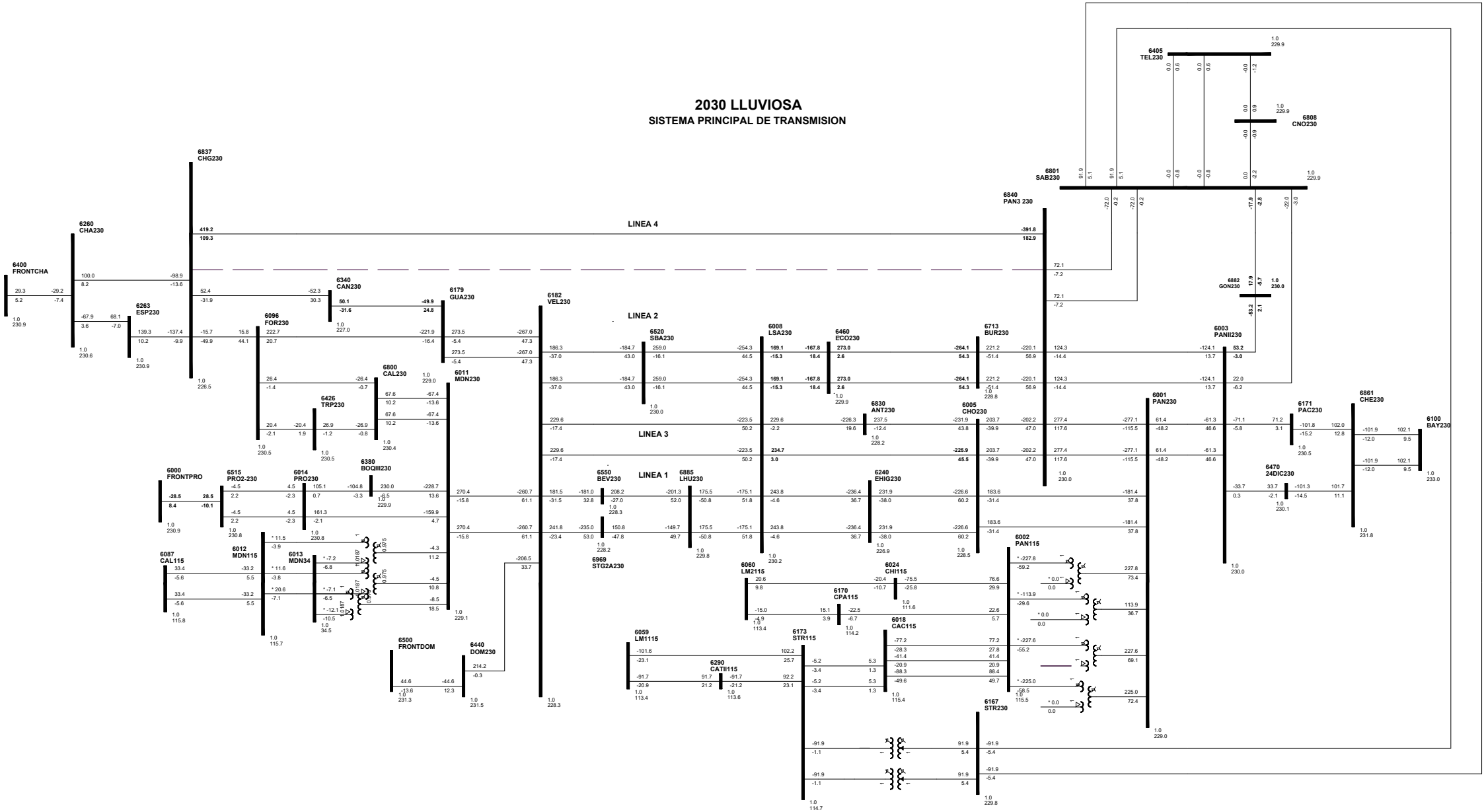
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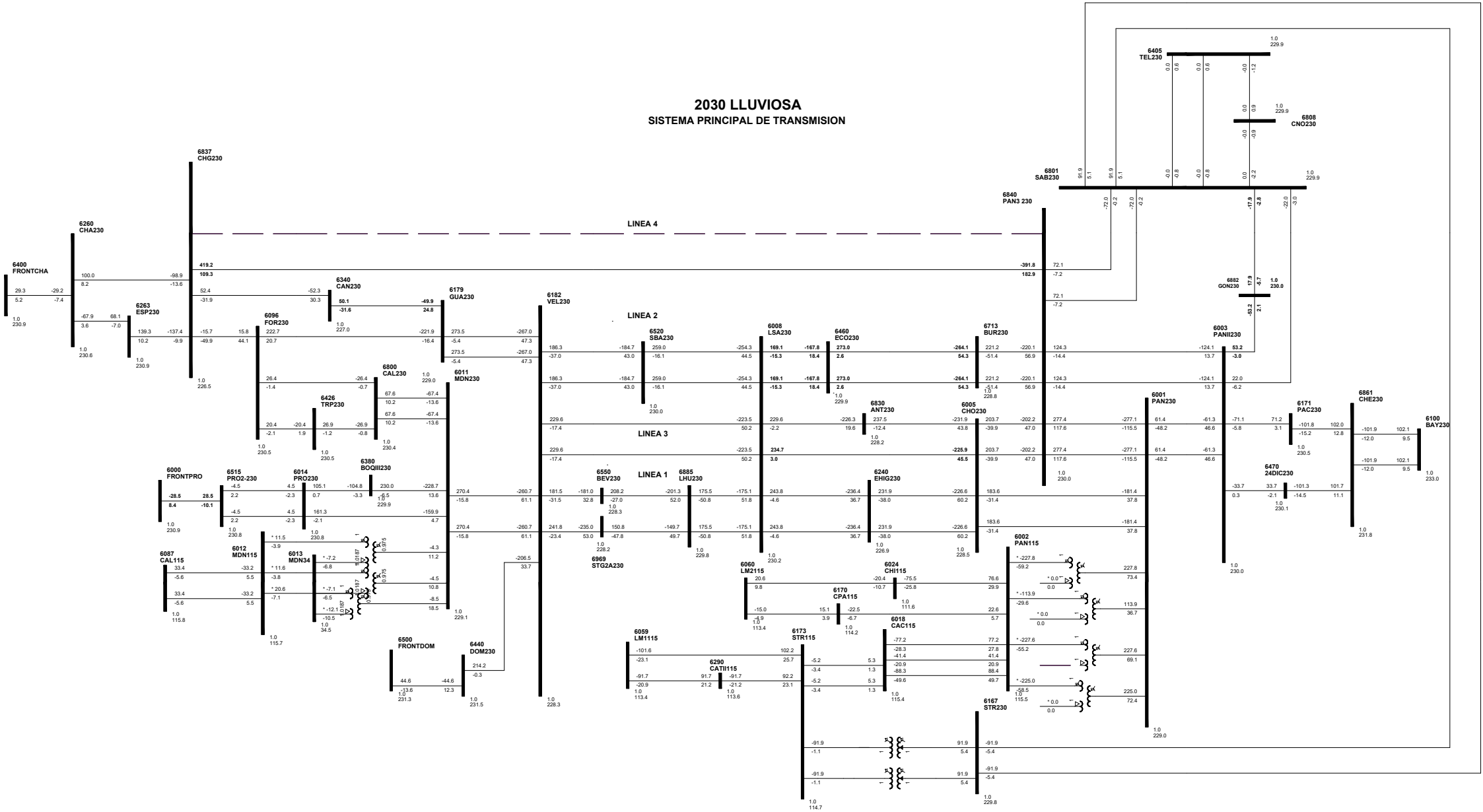
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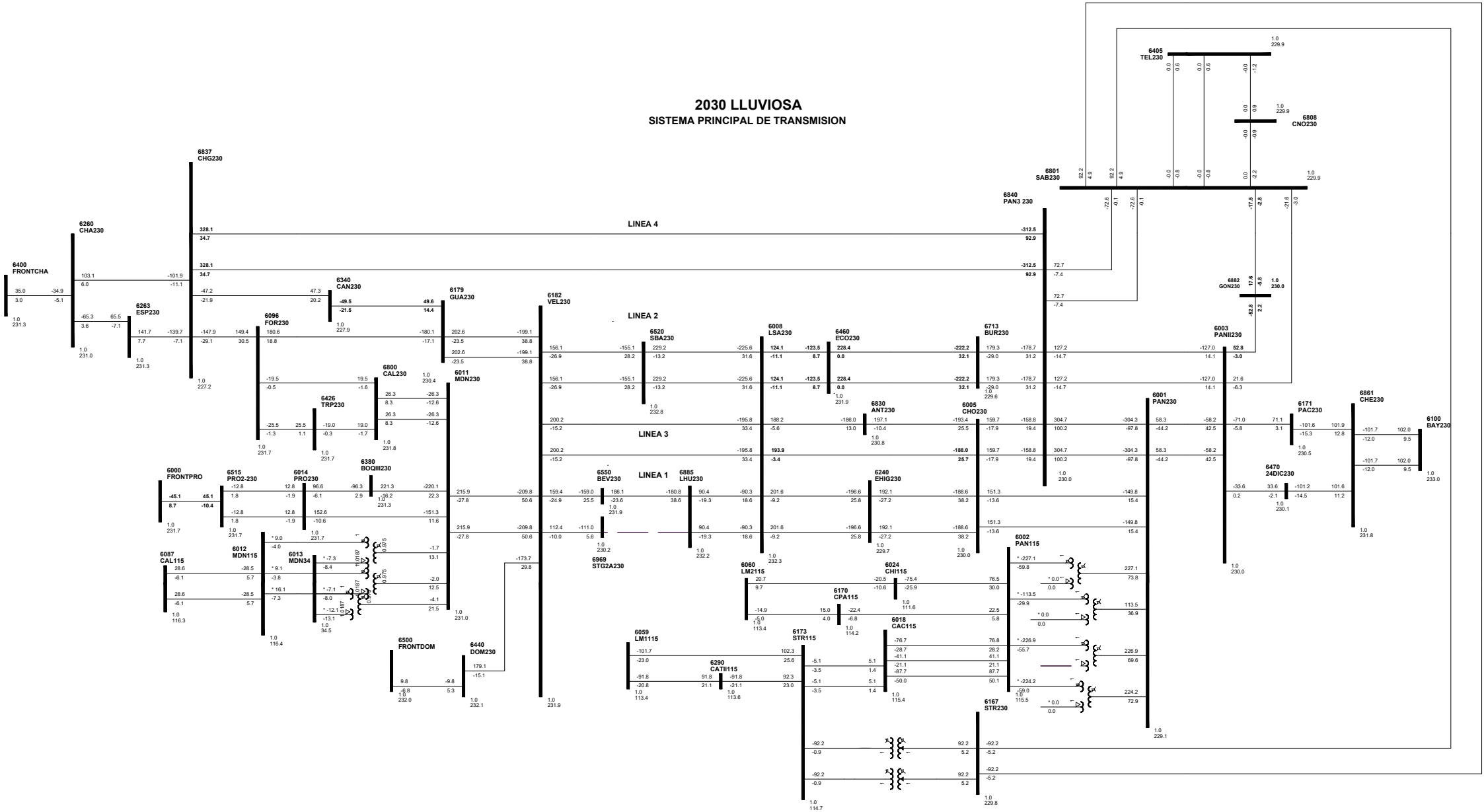
Contingencia 92



Contingencia 93



Contingencia 94

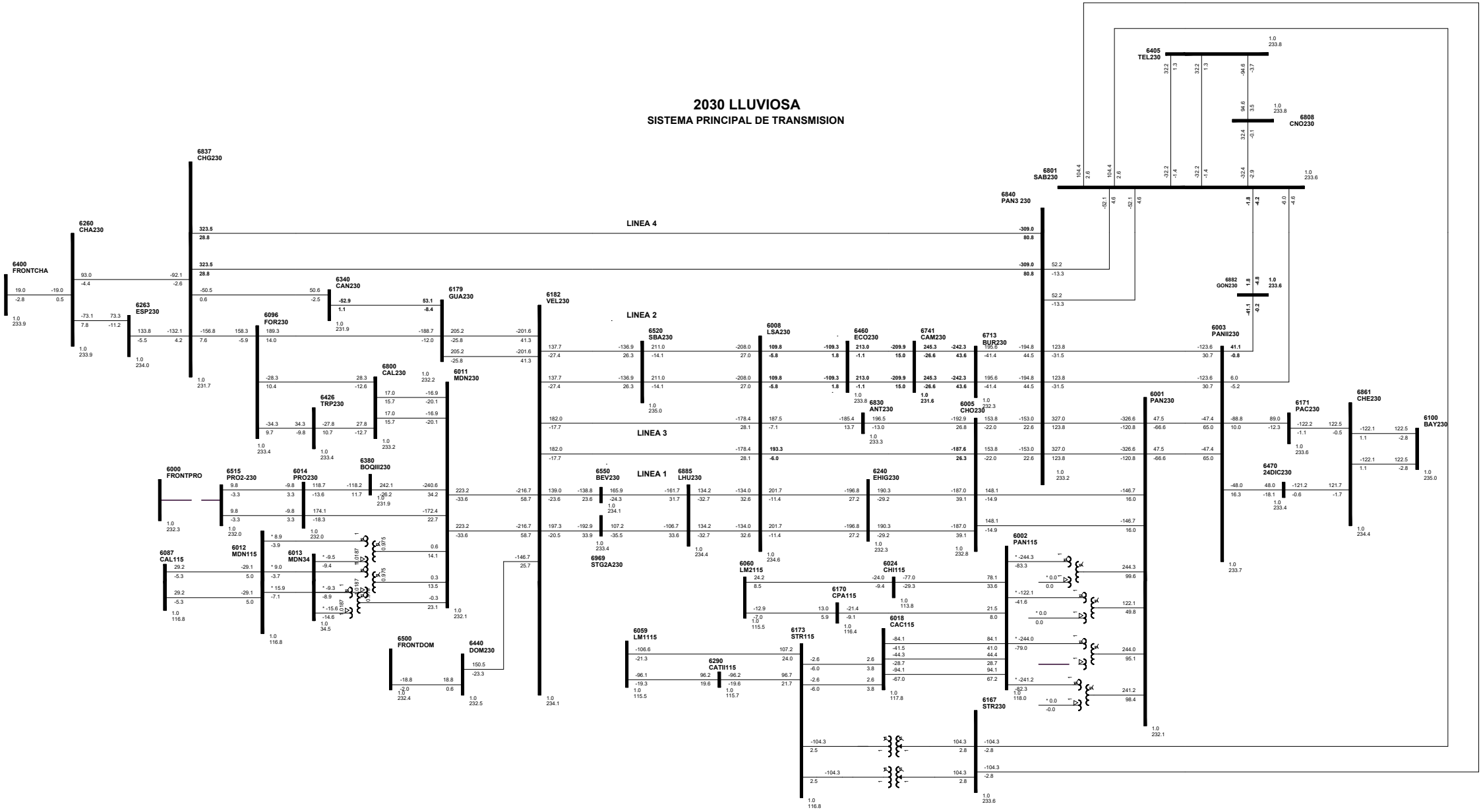


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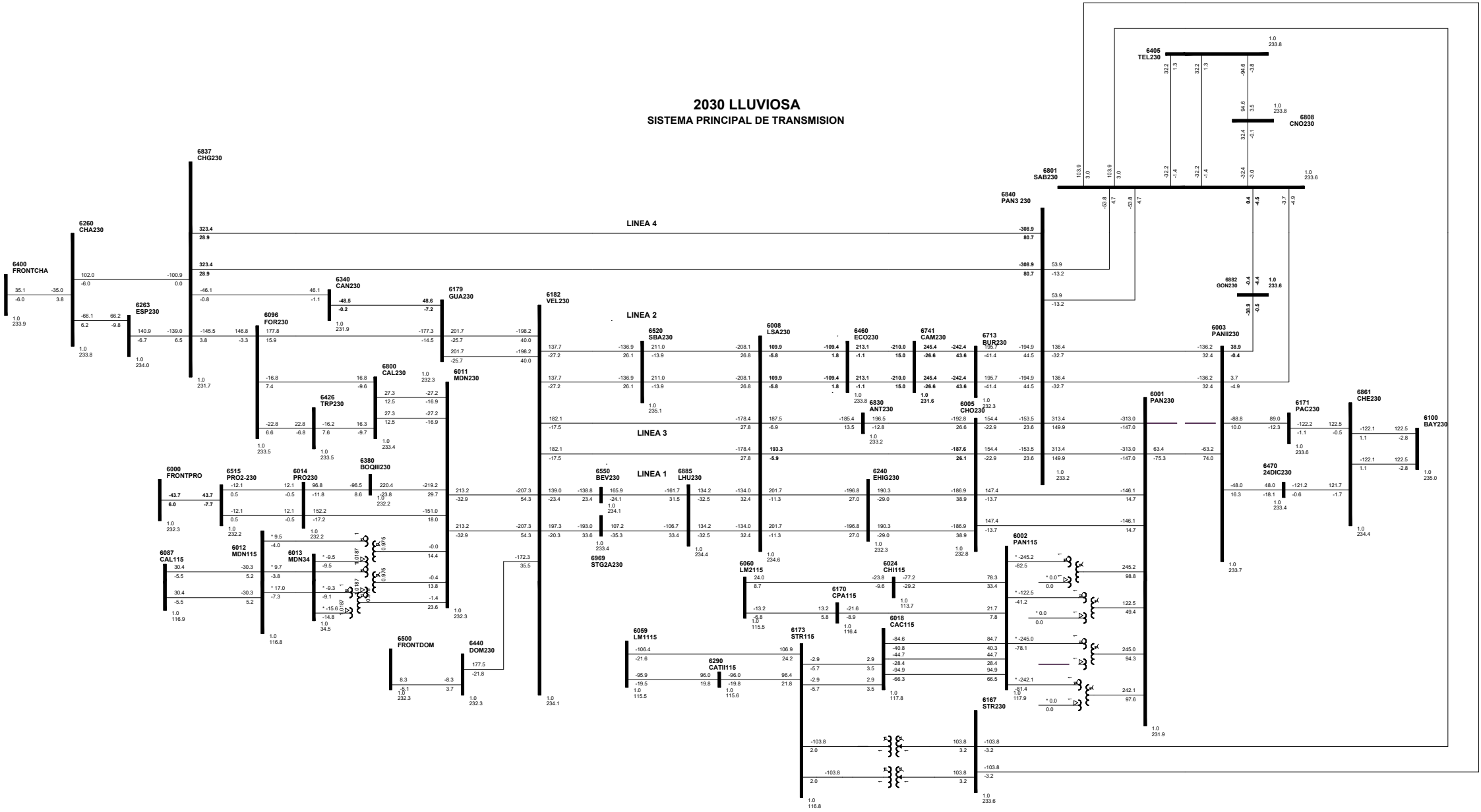
Listado de Contingencias 2032 Máxima Lluviosa

No. Cont	Cont
C1	6000-6515-1
C2	6001-6003-1D
C3	6001-6003-2D
C4	6001-6005-3A
C5	6001-6005-4A
C6	6001-6840-7A
C7	6001-6840-8A
C8	6002-6018-1
C9	6002-6018-12
C10	6002-6018-37
C11	6002-6024-3A
C12	6002-6170-4A
C13	6003-6171-1C
C14	6003-6470-2C
C15	6003-6801-55
C16	6003-6840-2A
C17	6003-6840-3A
C18	6003-6882-4A
C19	6005-6008-50
C20	6005-6240-3B
C21	6005-6240-4B
C22	6005-6830-9A
C23	6005-6840-7B
C24	6005-6840-8B
C25	6008-6182-51
C26	6008-6182-52
C27	6008-6240-3C
C28	6008-6240-4C
C29	6008-6460-2D
C30	6008-6460-3D
C31	6008-6520-4A
C32	6008-6520-5A
C33	6008-6830-9B
C34	6008-6885-5A
C35	6008-6885-6A
C36	6011-6014-39
C37	6011-6182-5D
C38	6011-6182-6D
C39	6011-6380-9A
C40	6011-6800-7A
C41	6011-6800-8A
C42	6012-6087-15
C43	6012-6087-16
C44	6014-6380-9B
C45	6014-6515-1
C46	6014-6515-2
C47	6018-6173-1A
C48	6018-6173-2A
C49	6024-6060-3B
C50	6059-6173-2B
C51	6059-6290-1C
C52	6060-6170-4B
C53	6096-6179-18
C54	6096-6426-7C
C55	6096-6800-8B
C56	6096-6837-0A
C57	6100-6861-1A
C58	6100-6861-2A
C59	6167-6801-1
C60	6167-6801-2
C61	6171-6861-1B
C62	6173-6290-1B
C63	6179-6182-16
C64	6179-6182-17
C65	6179-6401-29
C66	6182-6440-5A
C67	6182-6520-4B
C68	6182-6520-5B
C69	6182-6550-6C
C70	6182-6969-5C
C71	6260-6263-0C
C72	6260-6400-21
C73	6260-6837-0B
C74	6263-6837-0B
C75	6340-6401-29
C76	6340-6837-0A
C77	6405-6801-1
C78	6405-6801-2
C79	6405-6808-1
C80	6426-6800-7B
C81	6440-6500-5B
C82	6460-6741-2D
C83	6460-6741-3D
C84	6470-6861-2B
C85	6550-6885-6B
C86	6713-6741-2C
C87	6713-6741-3C
C88	6713-6840-2B
C89	6713-6840-3B
C90	6801-6808-1
C91	6801-6840-1
C92	6801-6840-2
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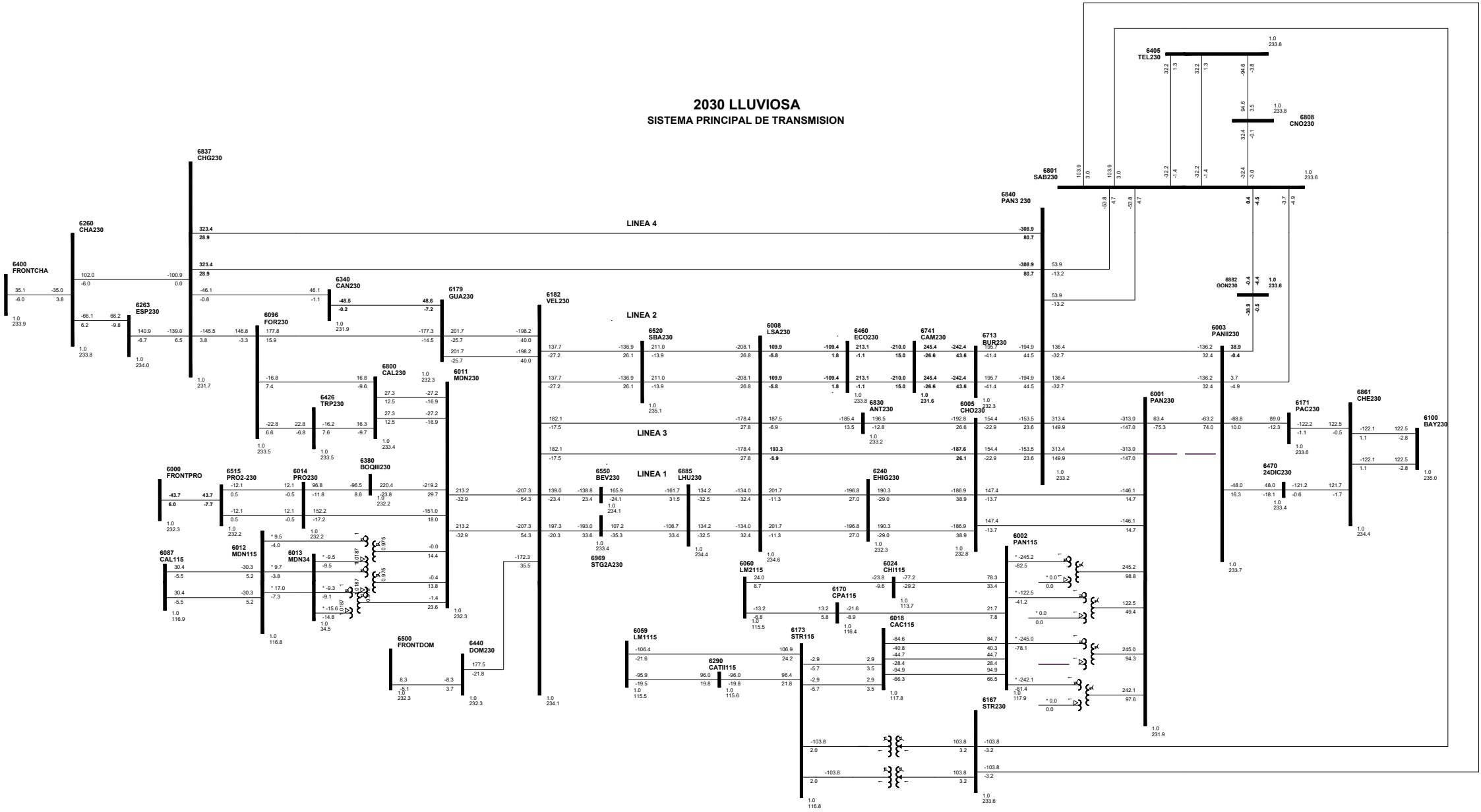
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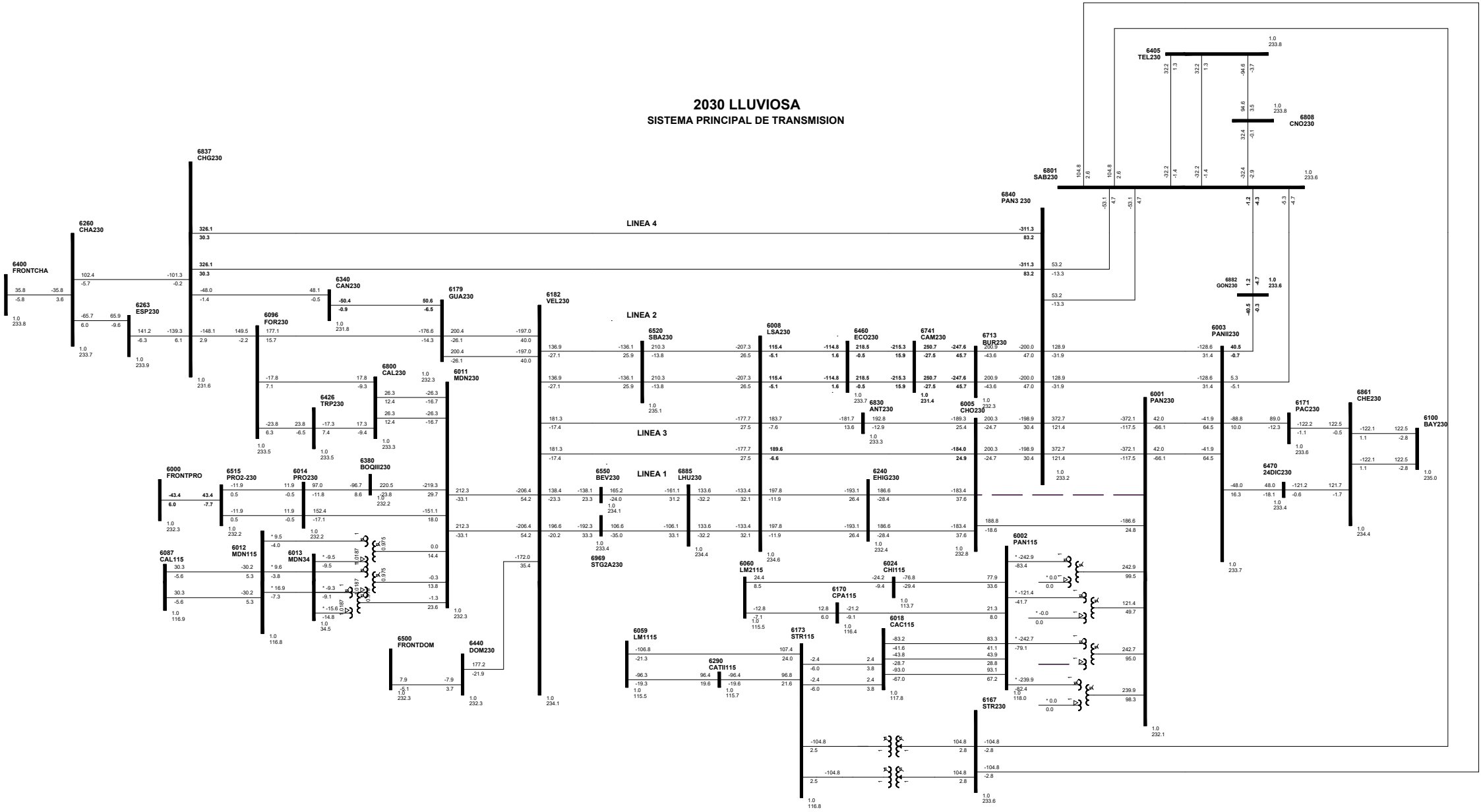
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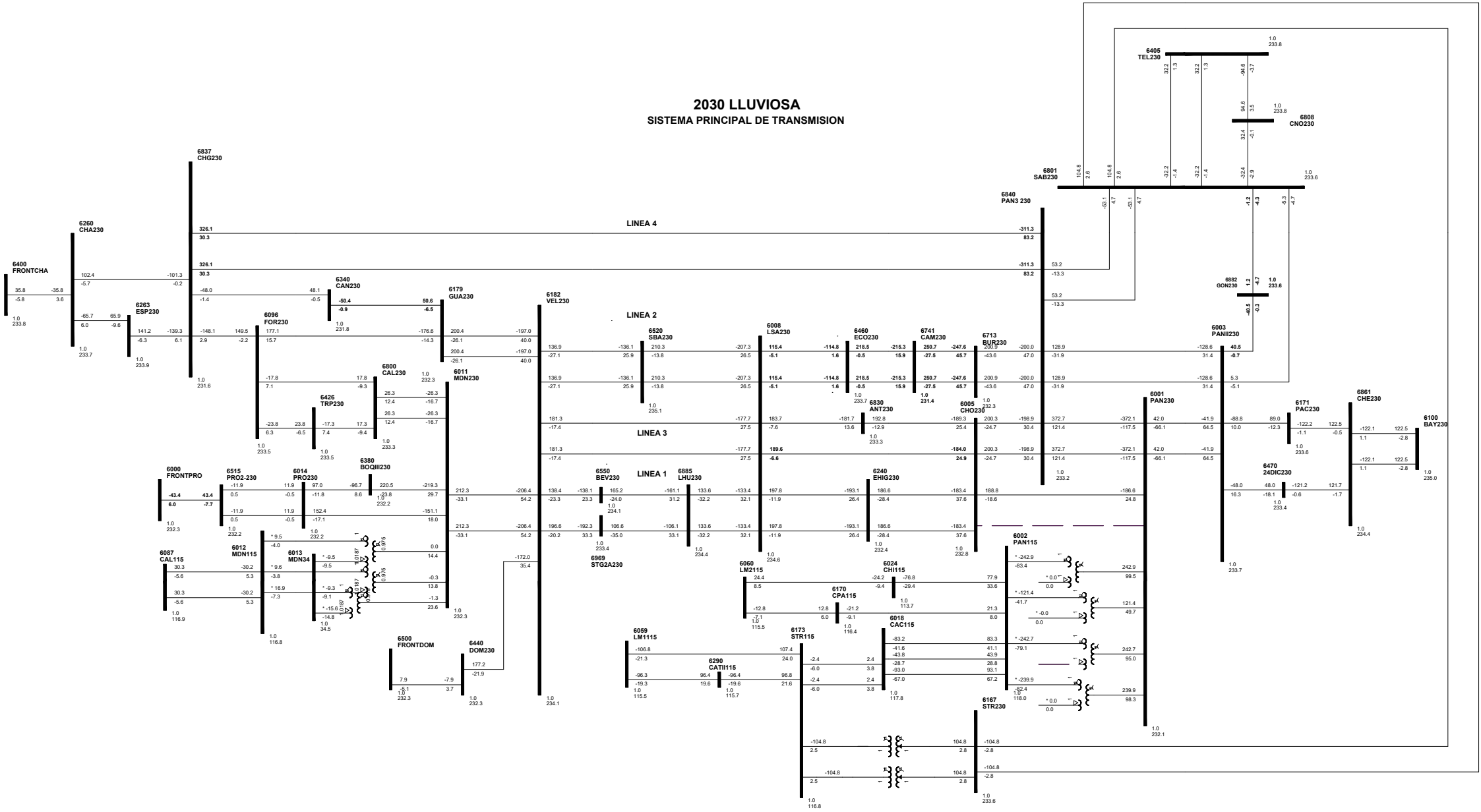
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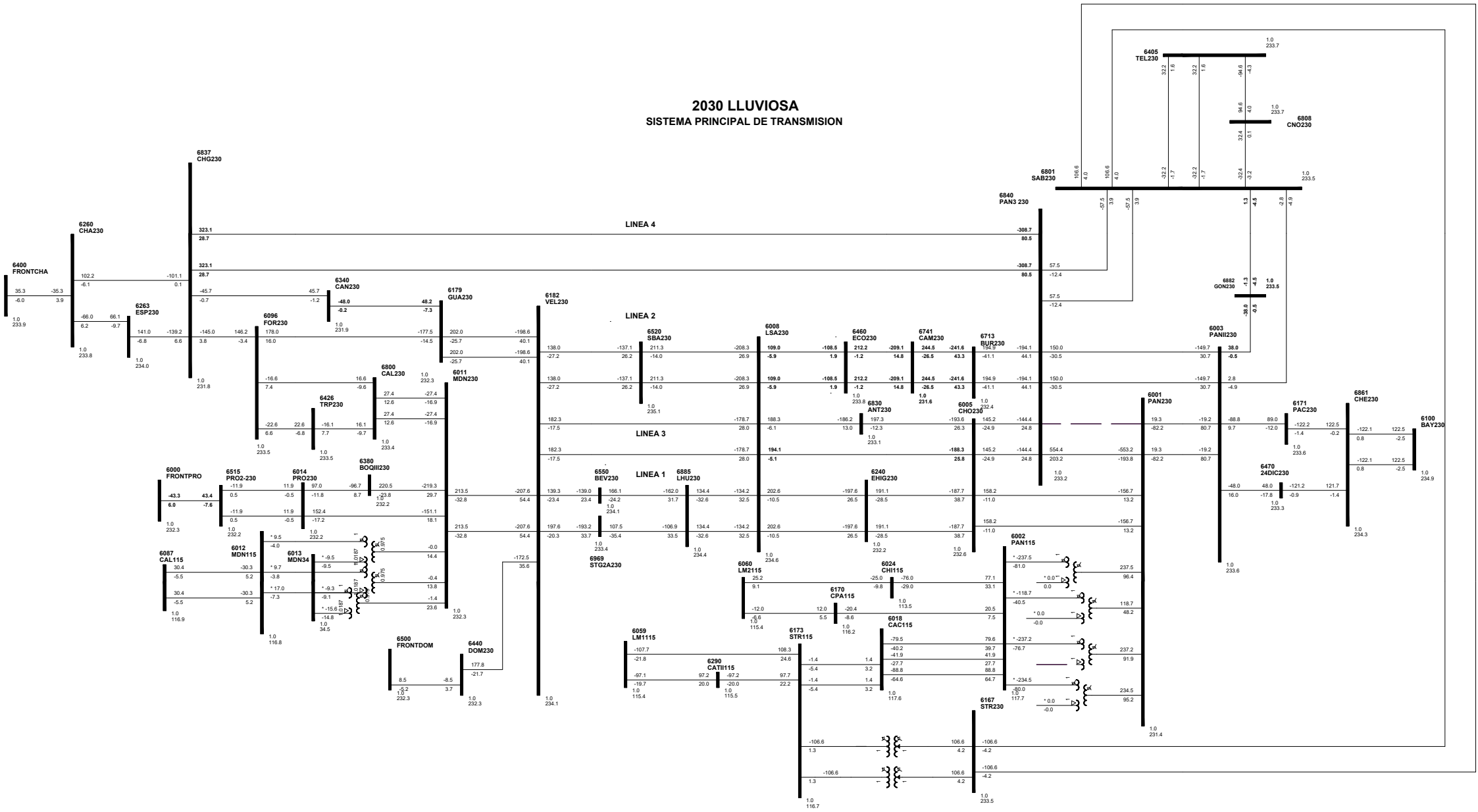
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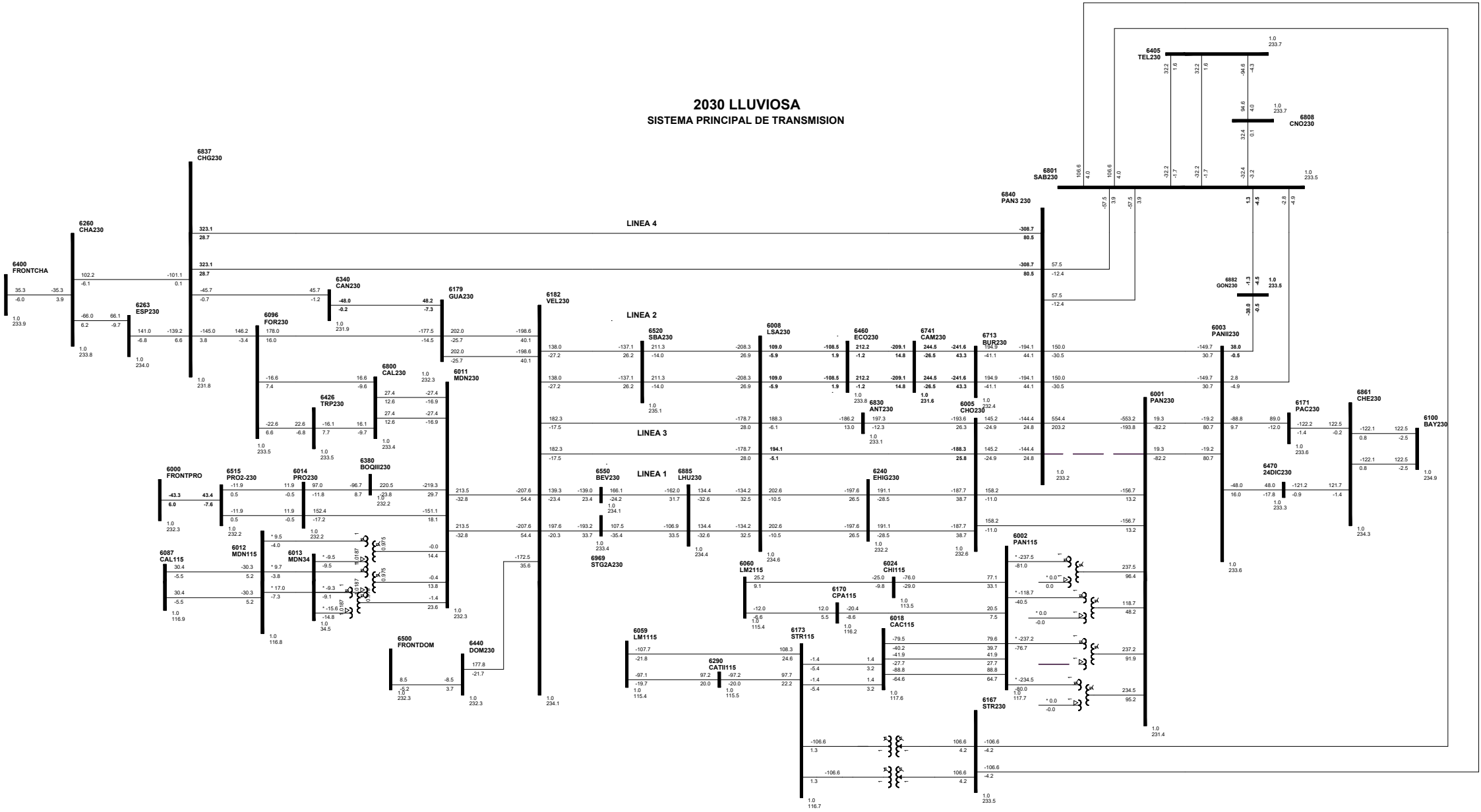
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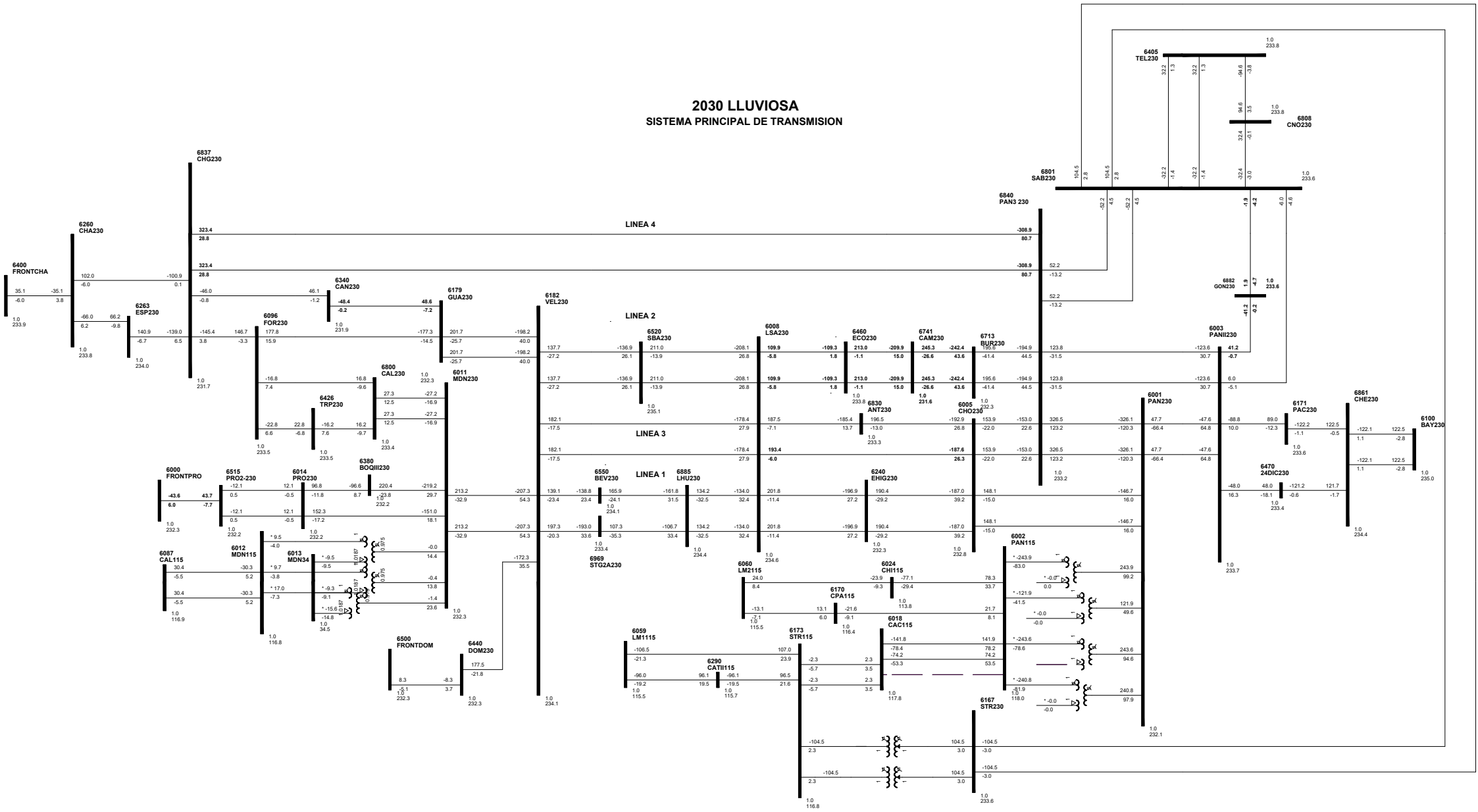
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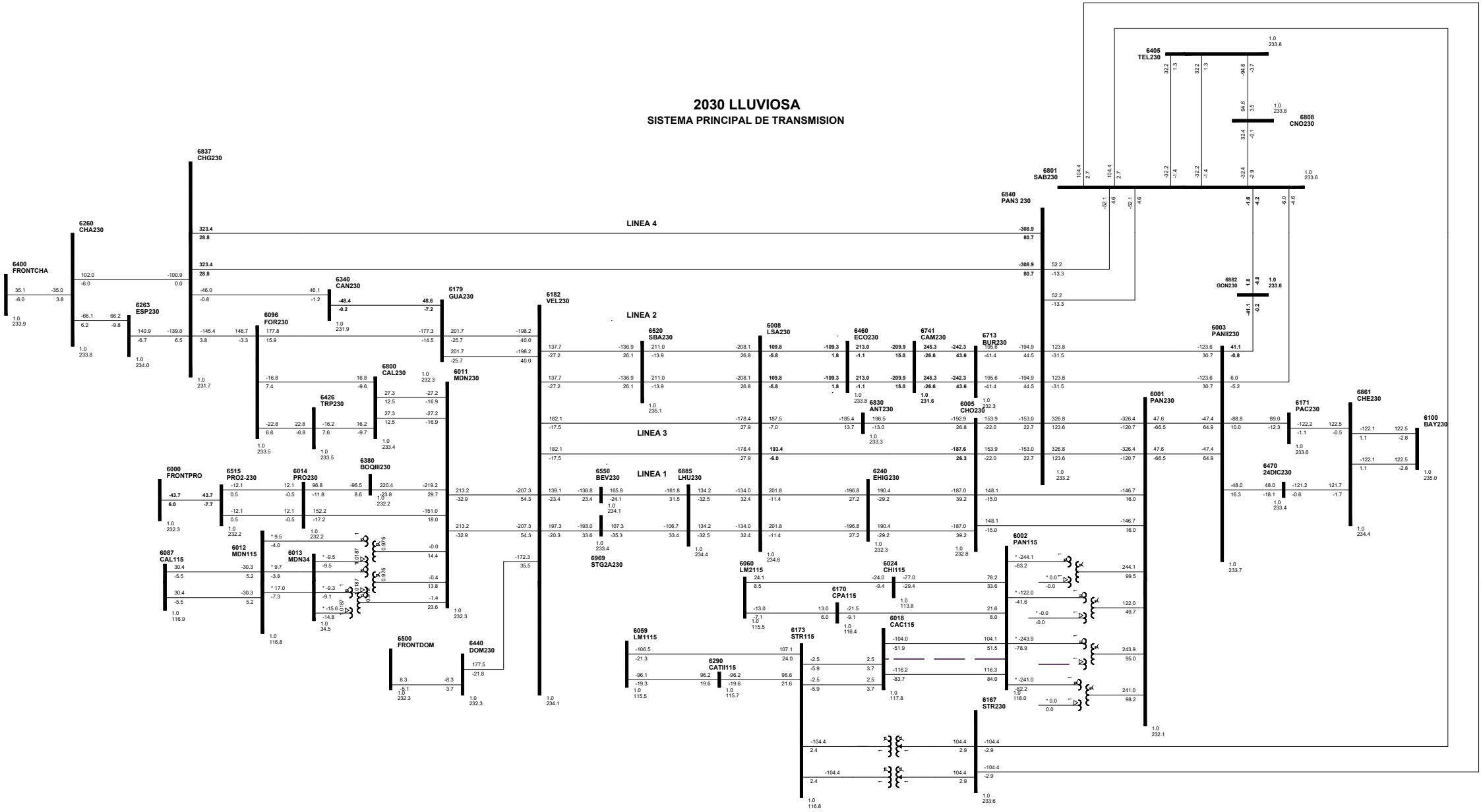
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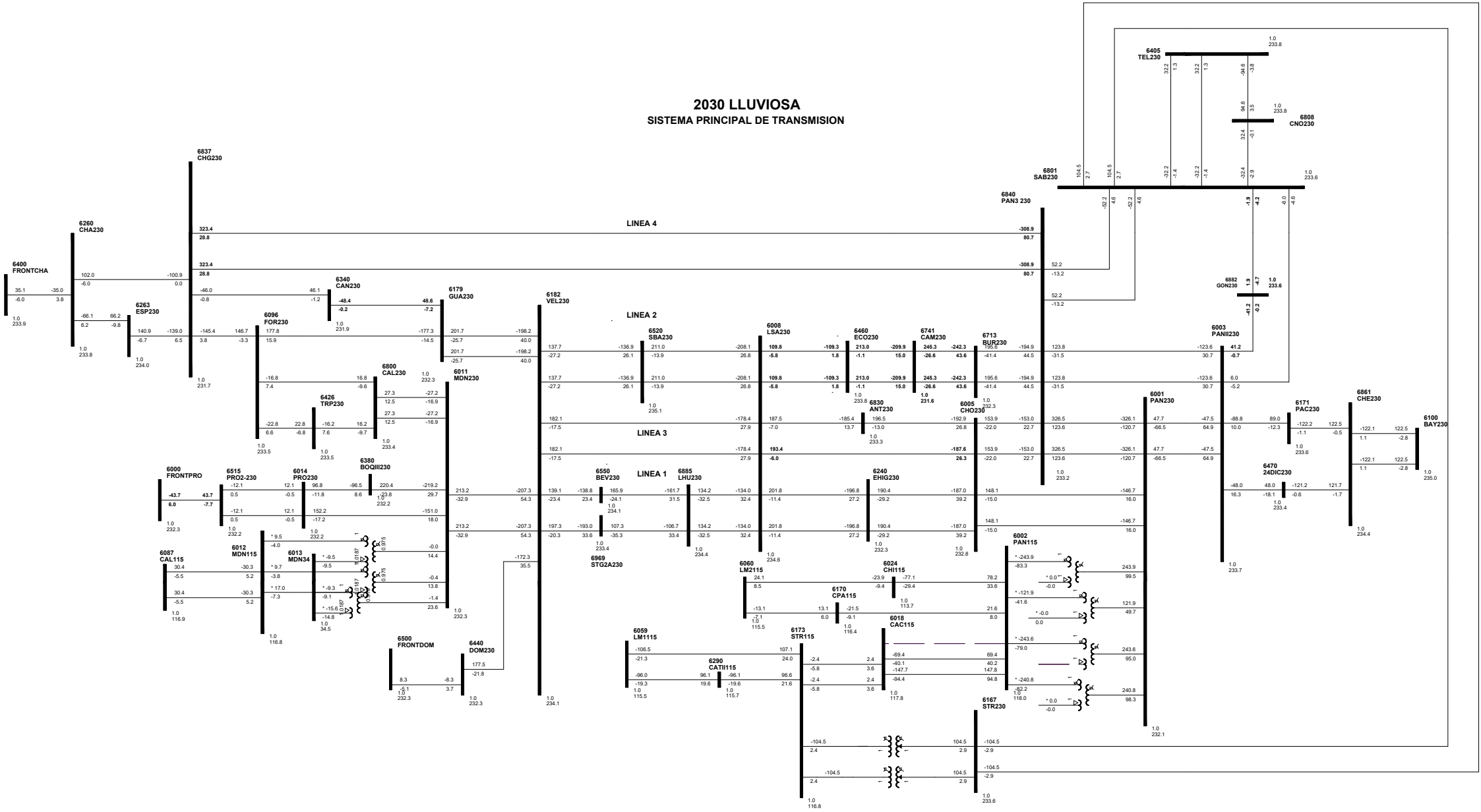
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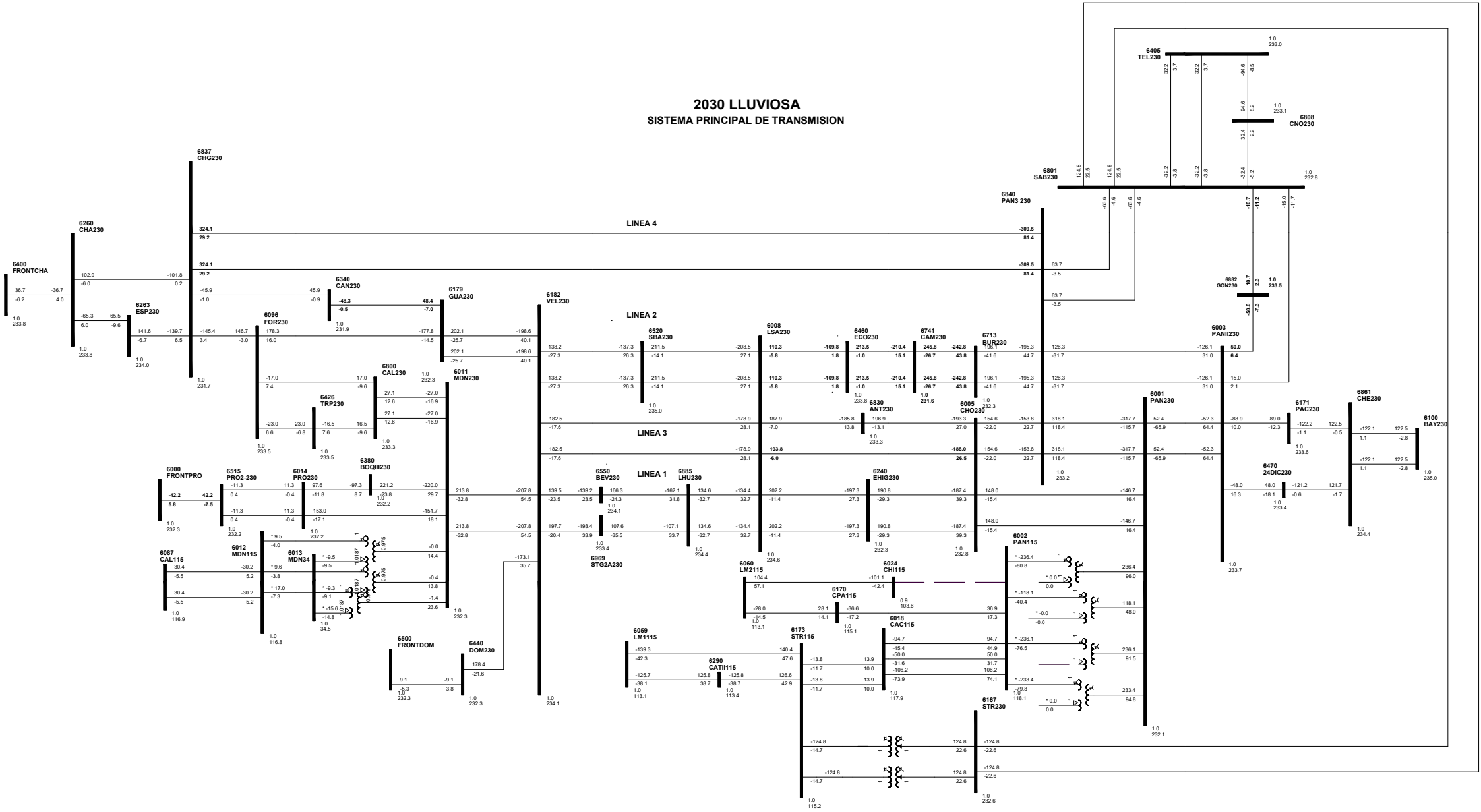
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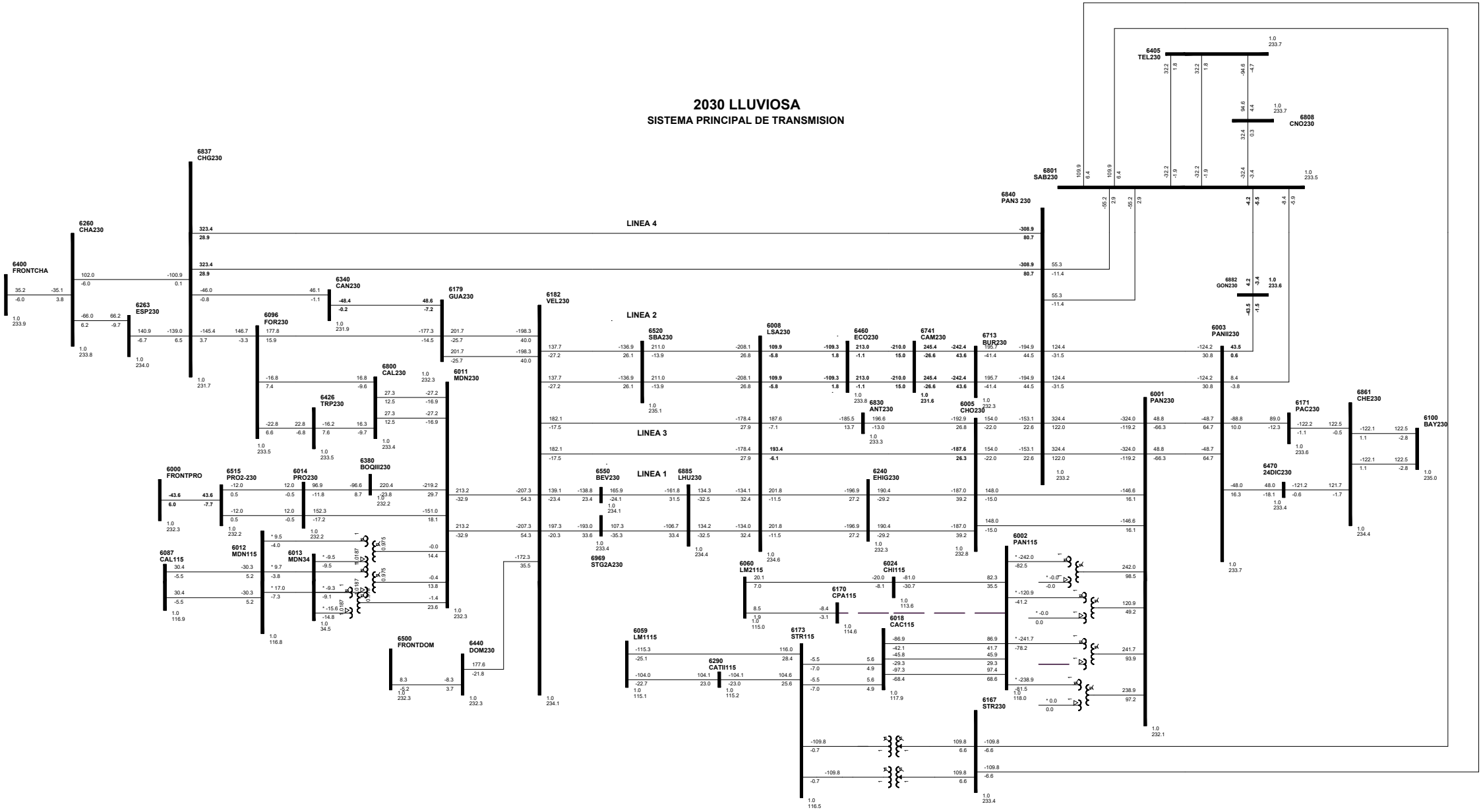
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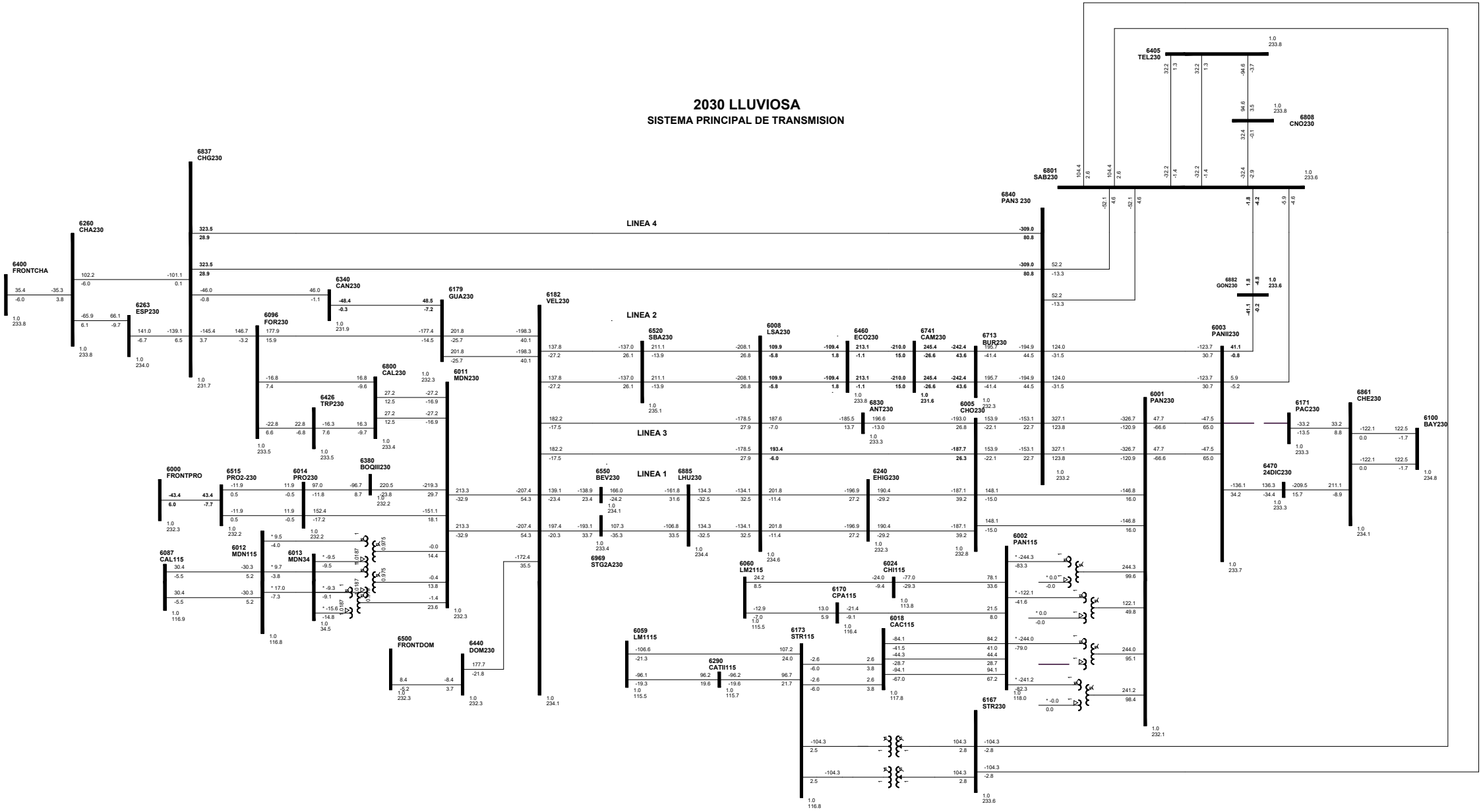
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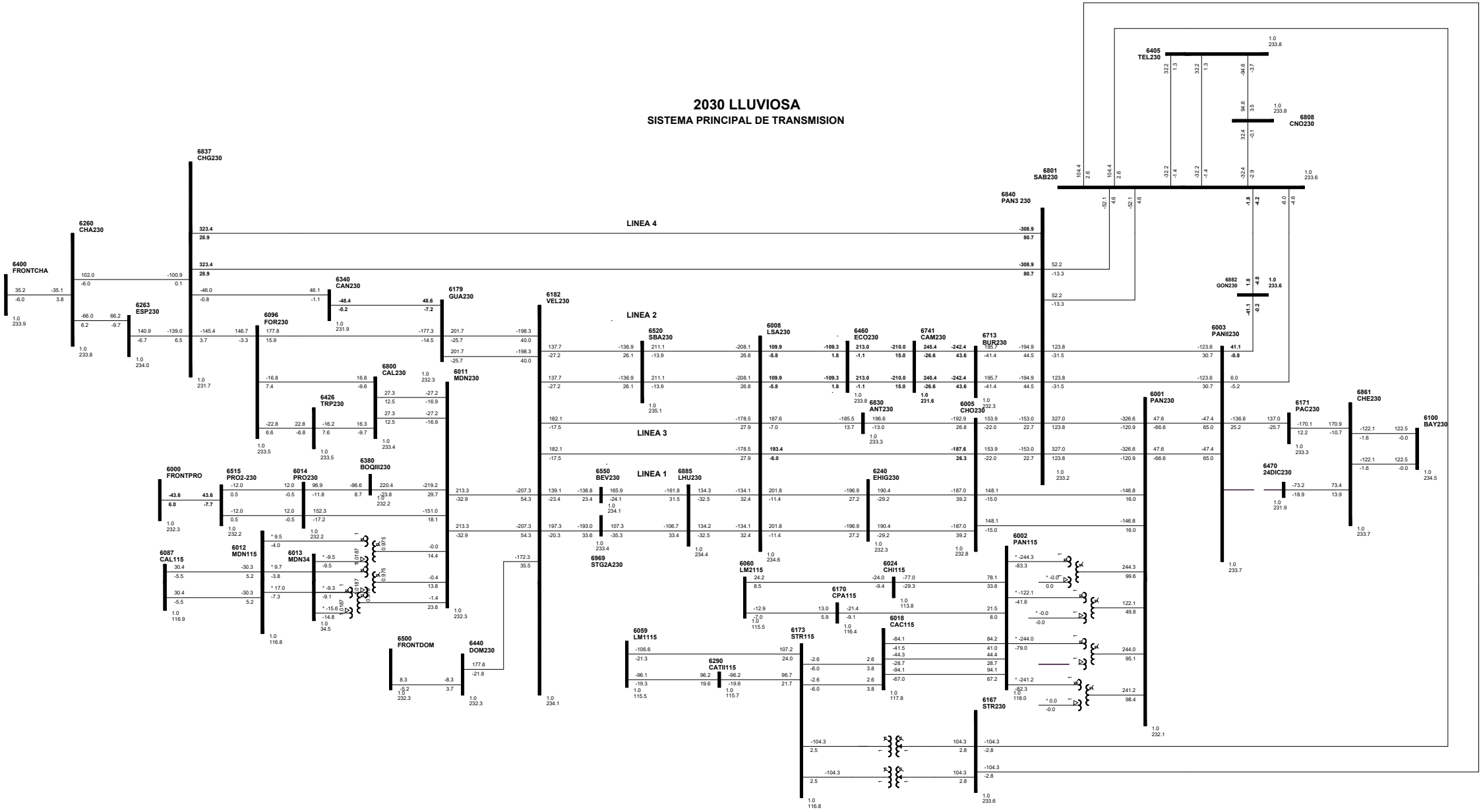
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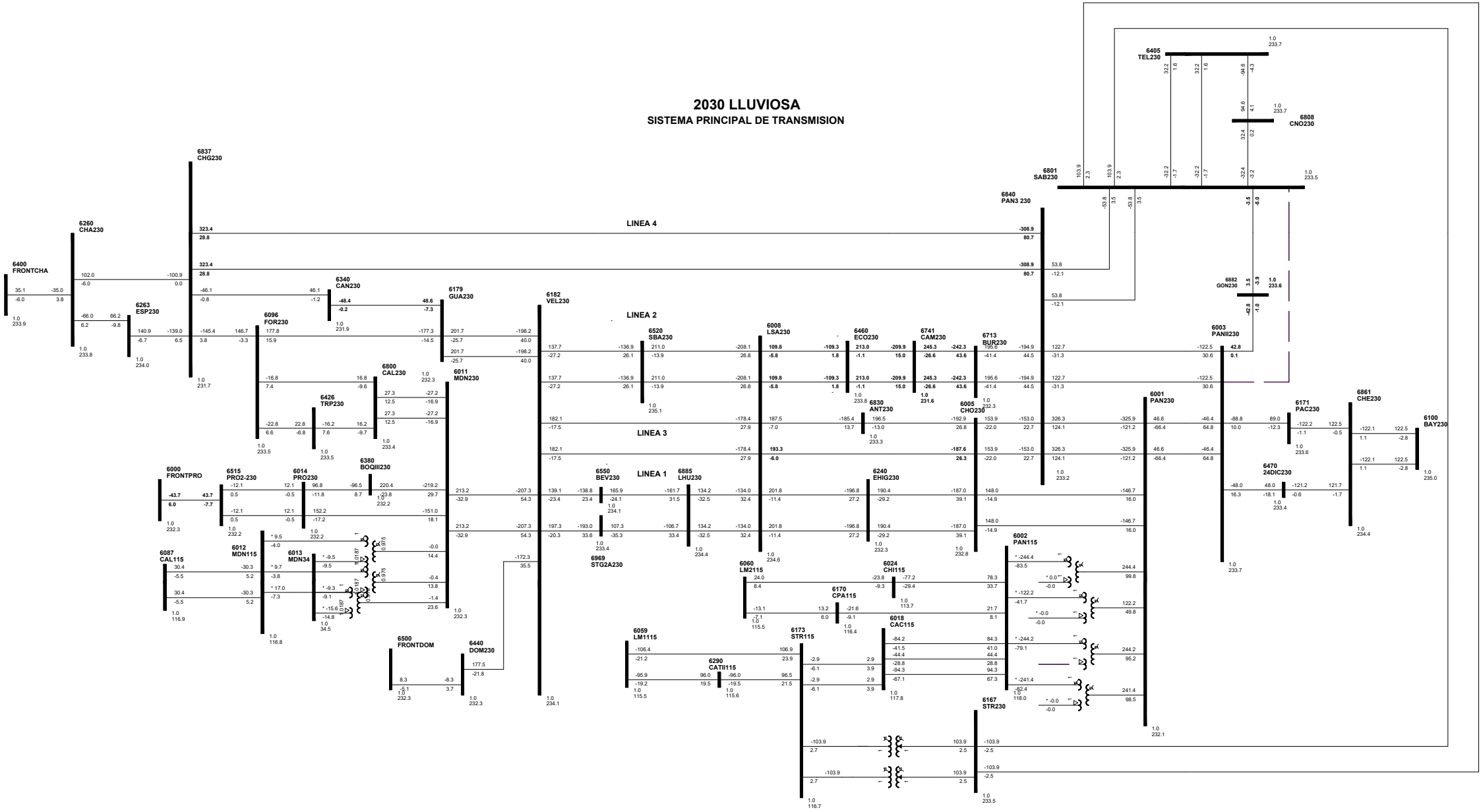
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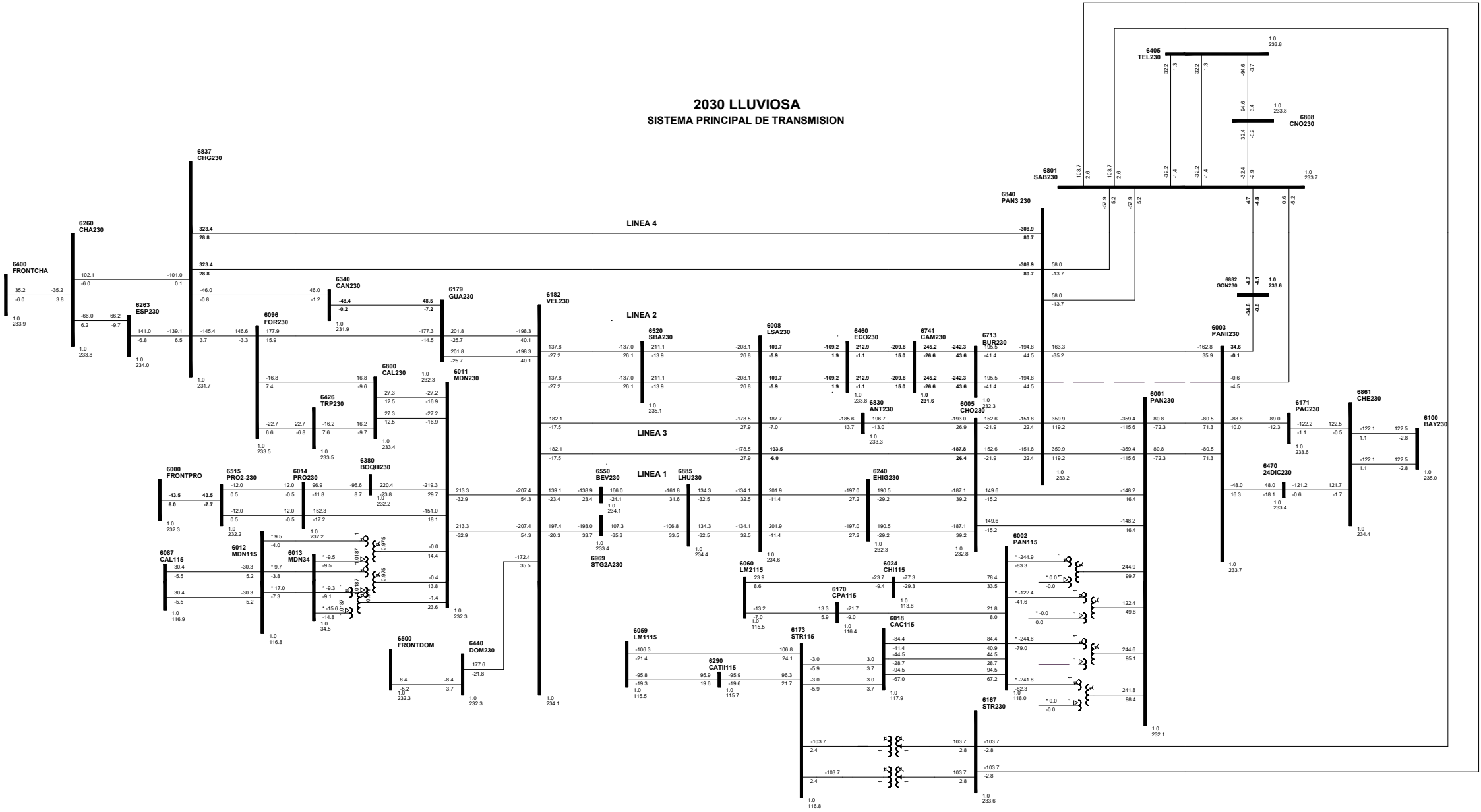
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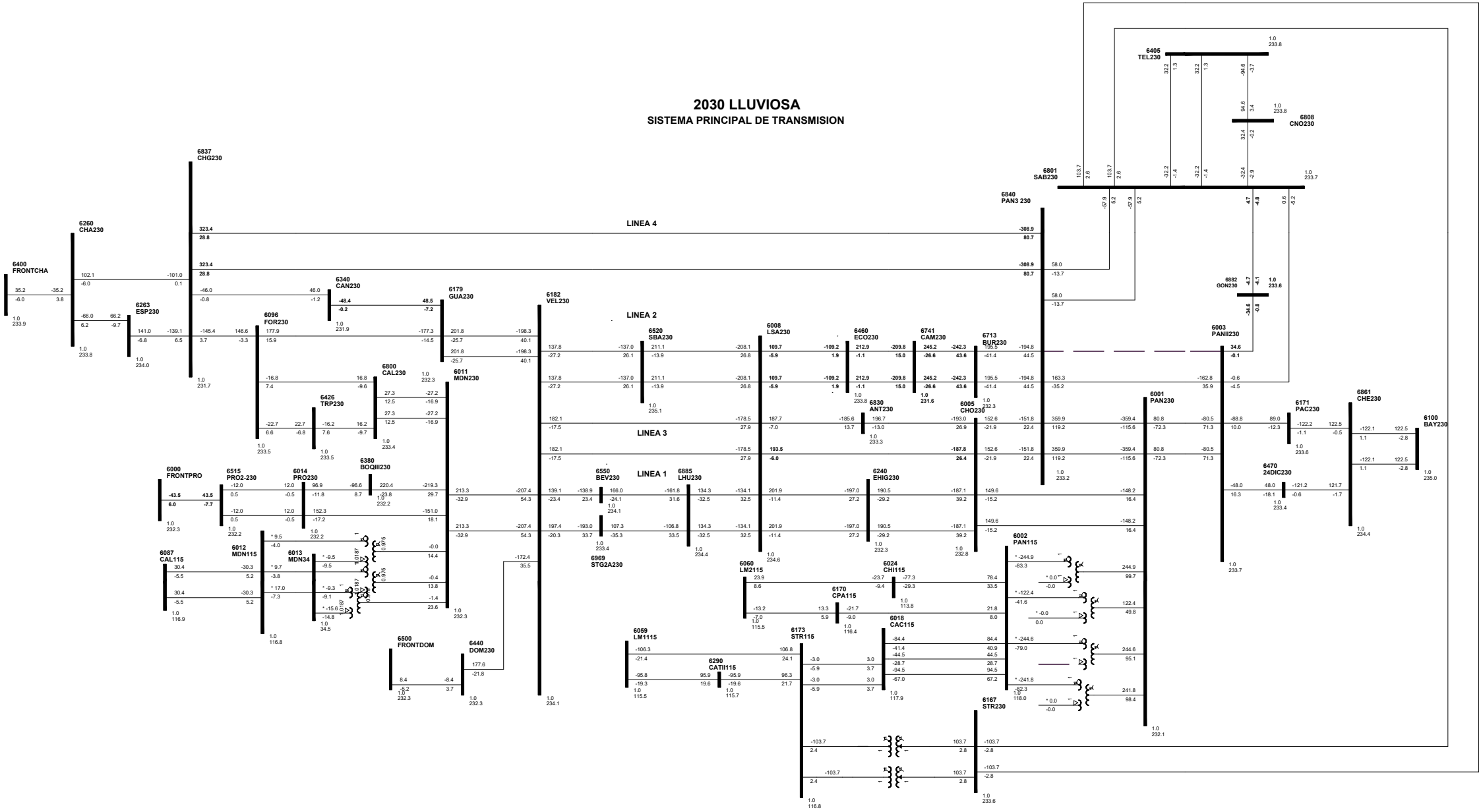
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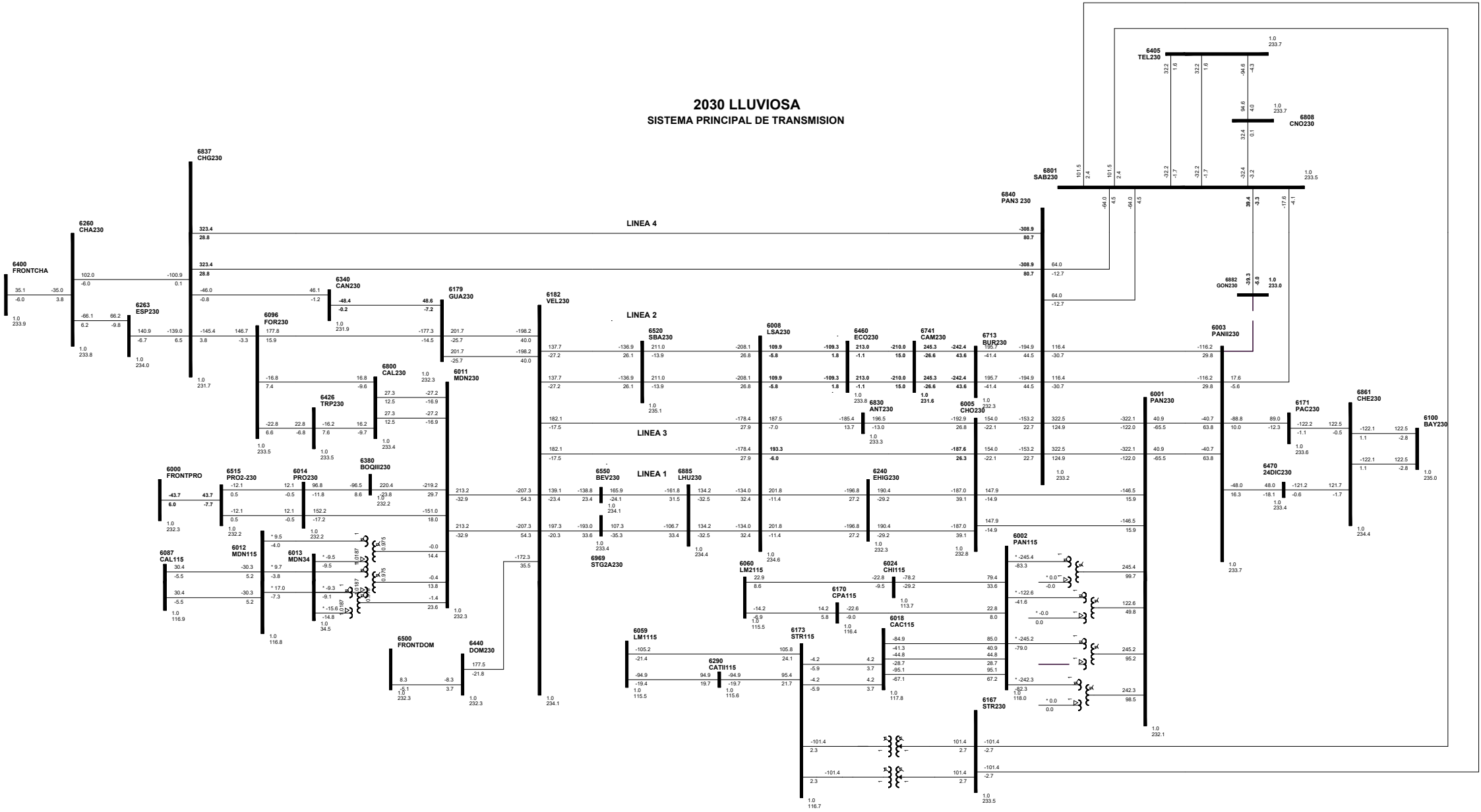
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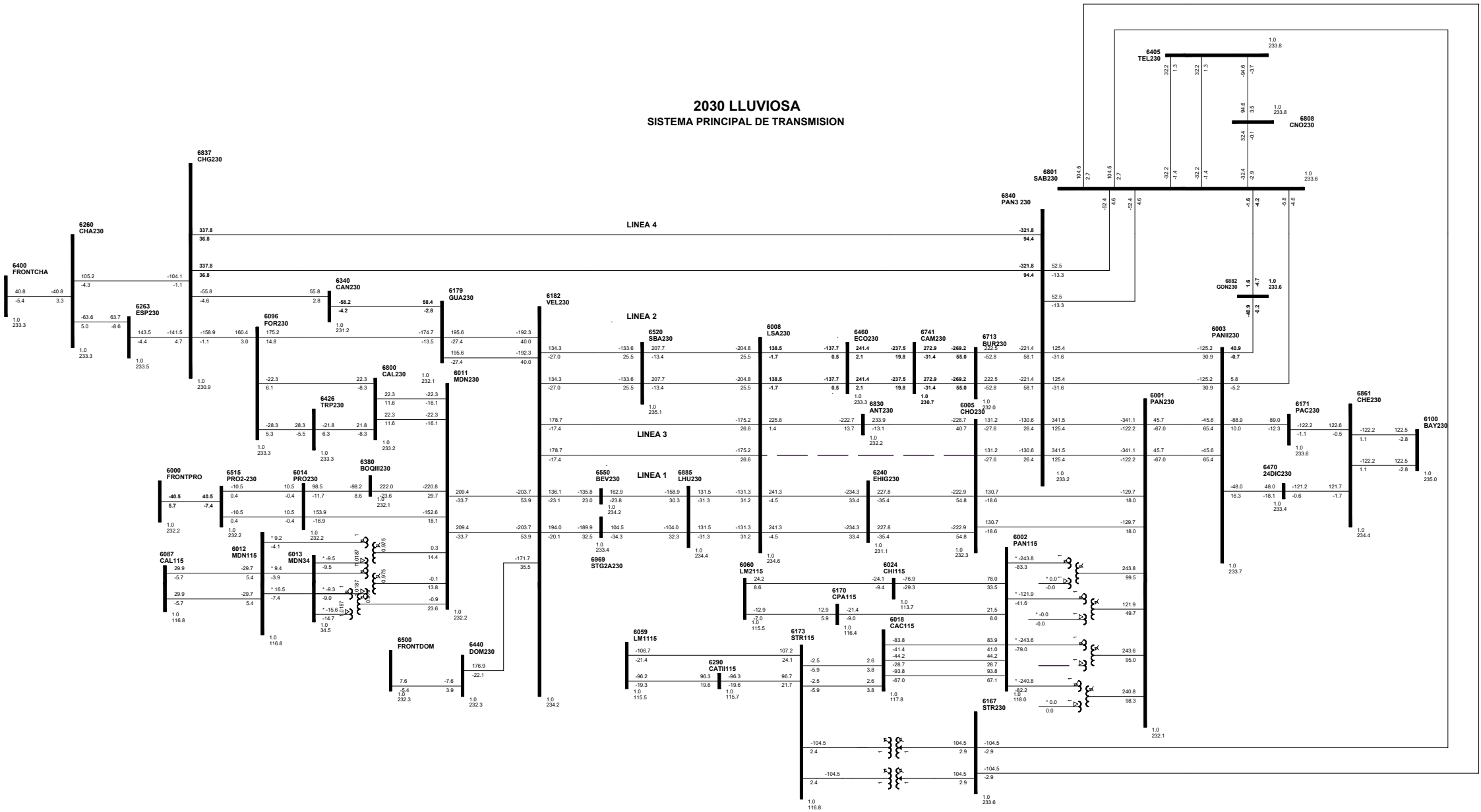
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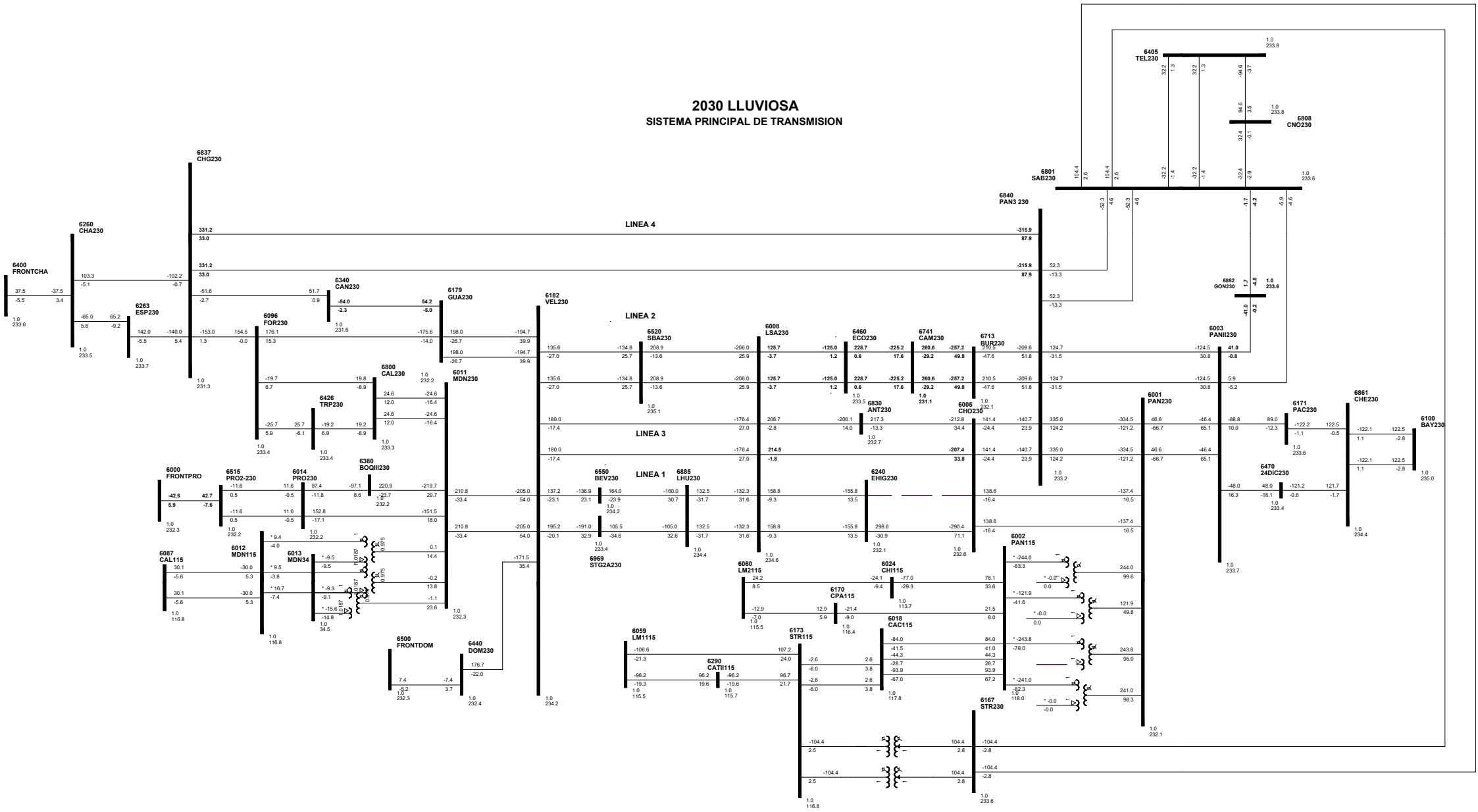
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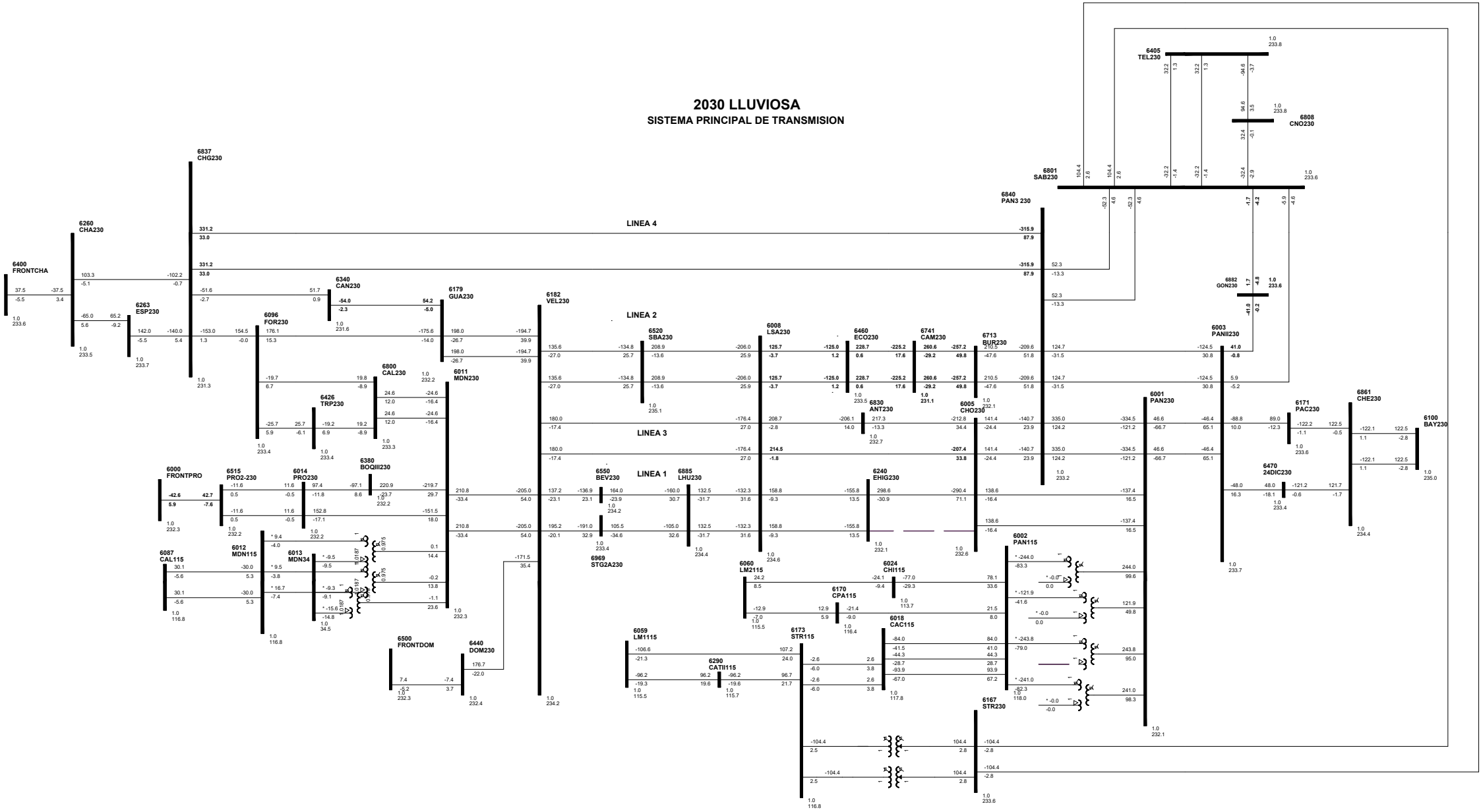
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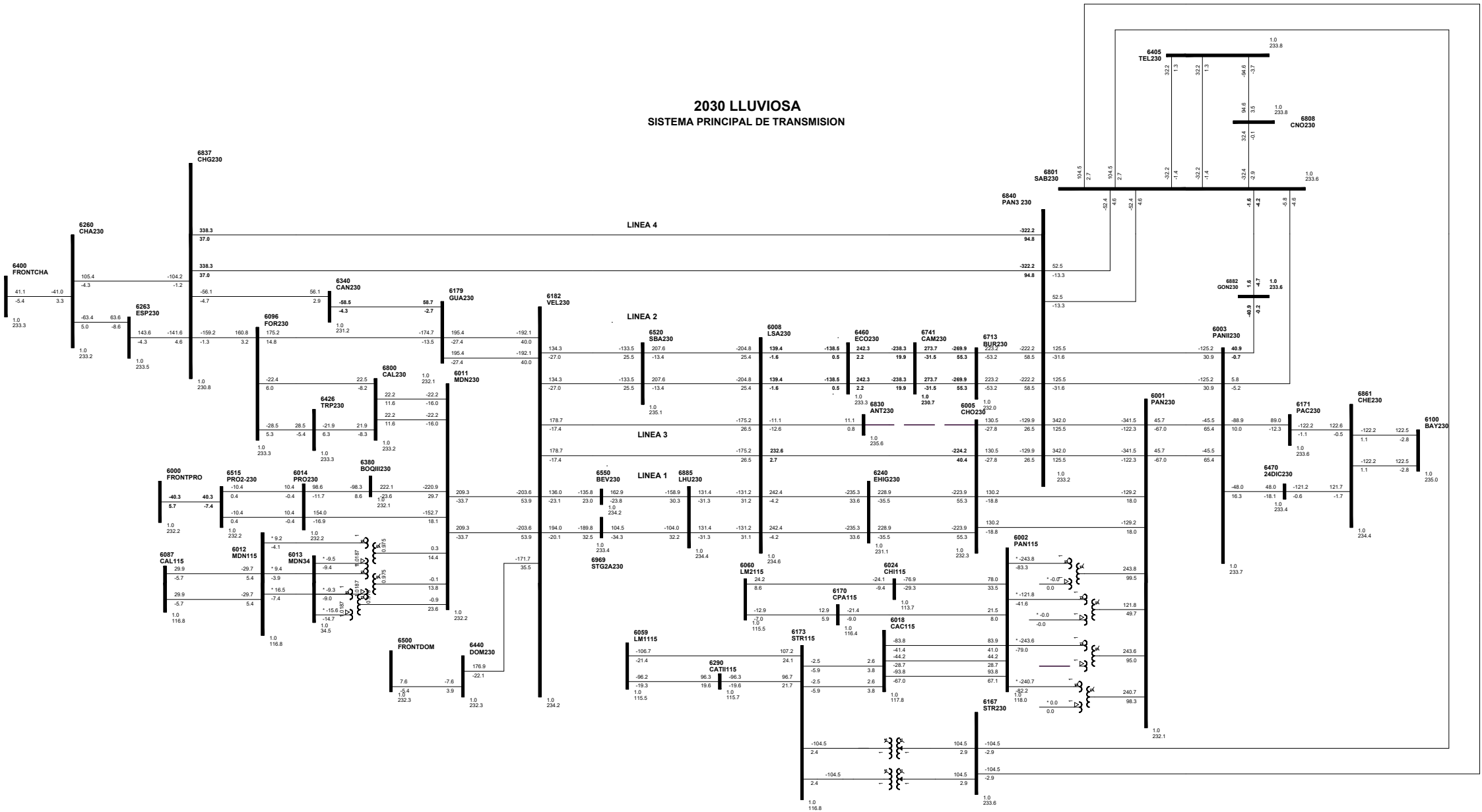
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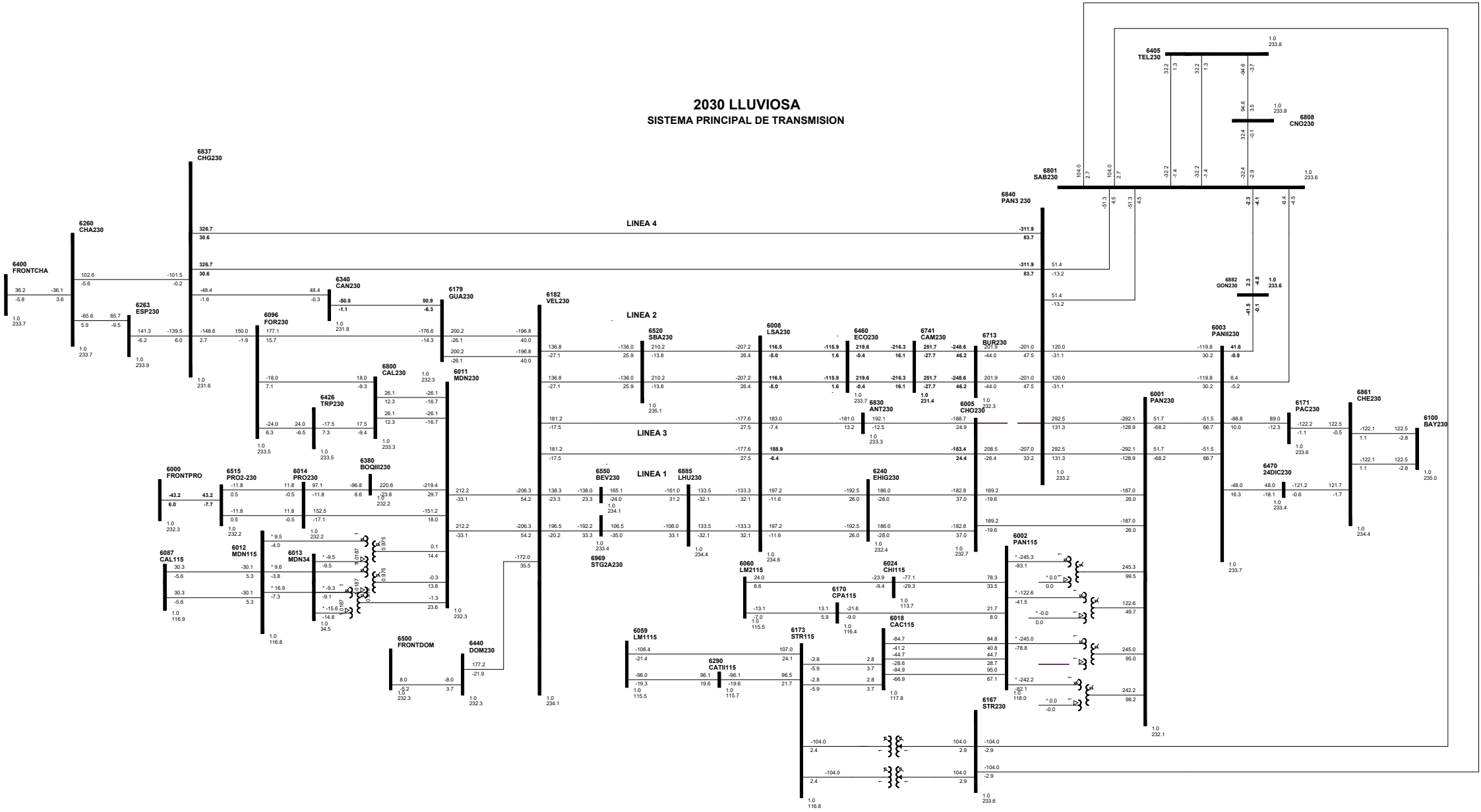
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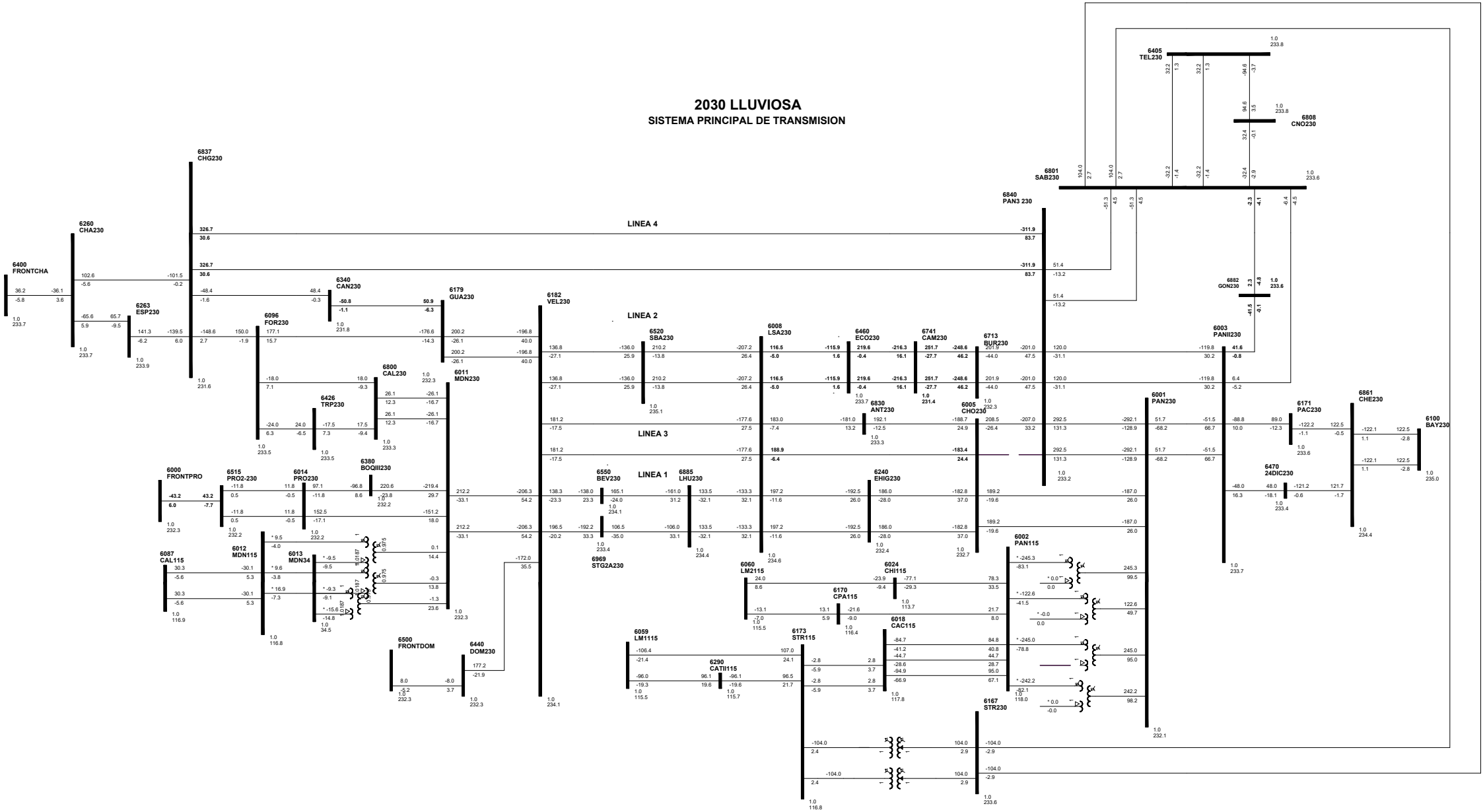
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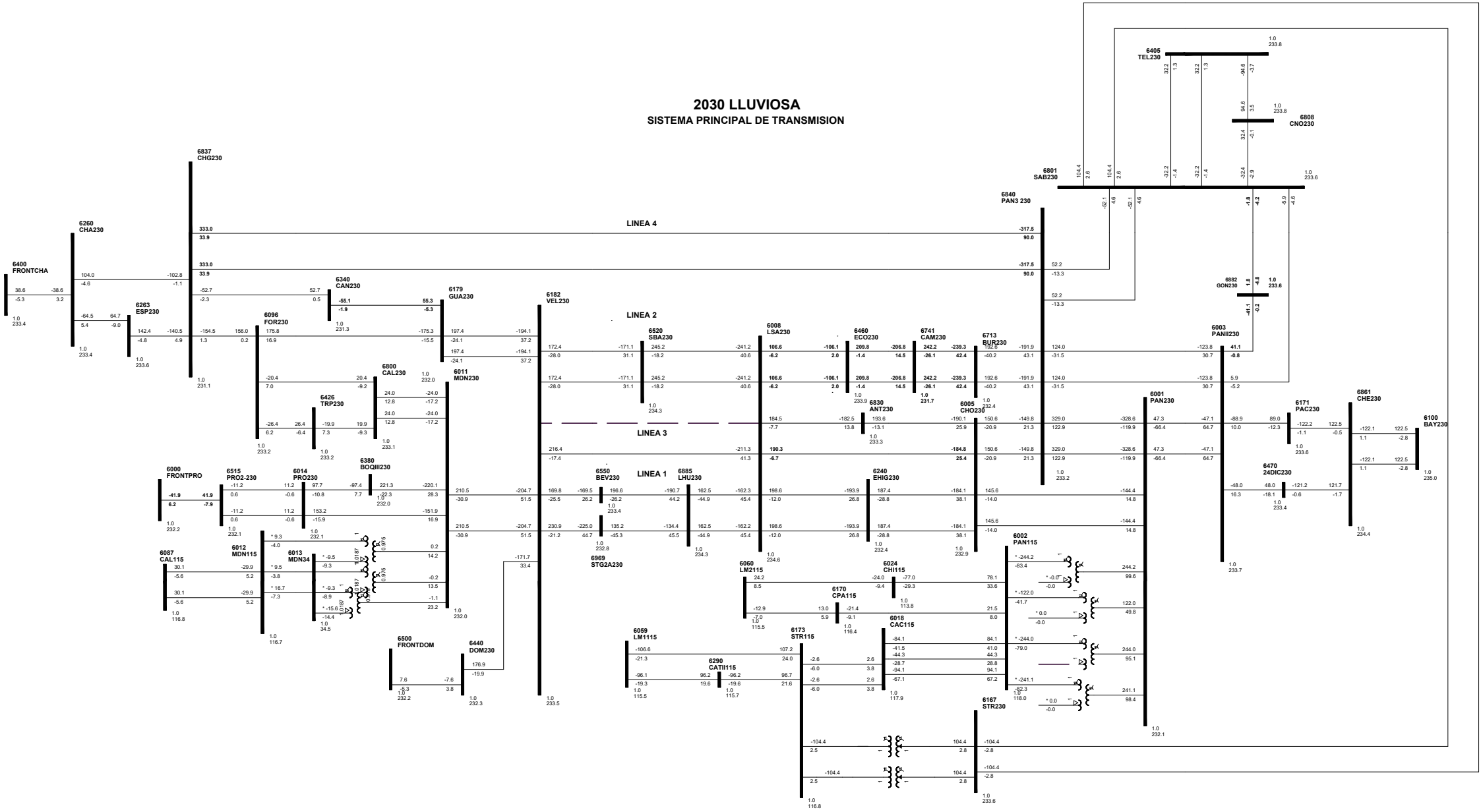
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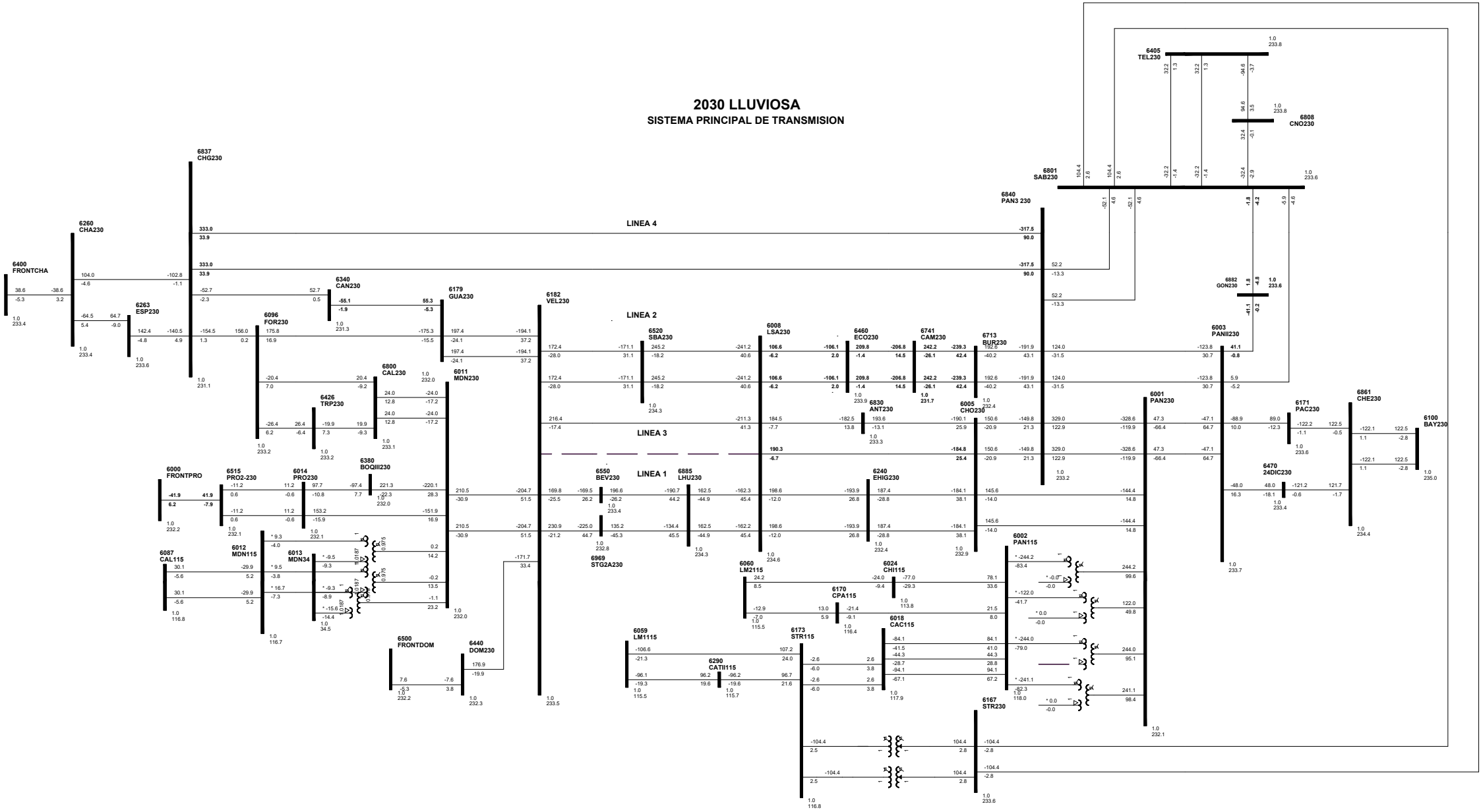
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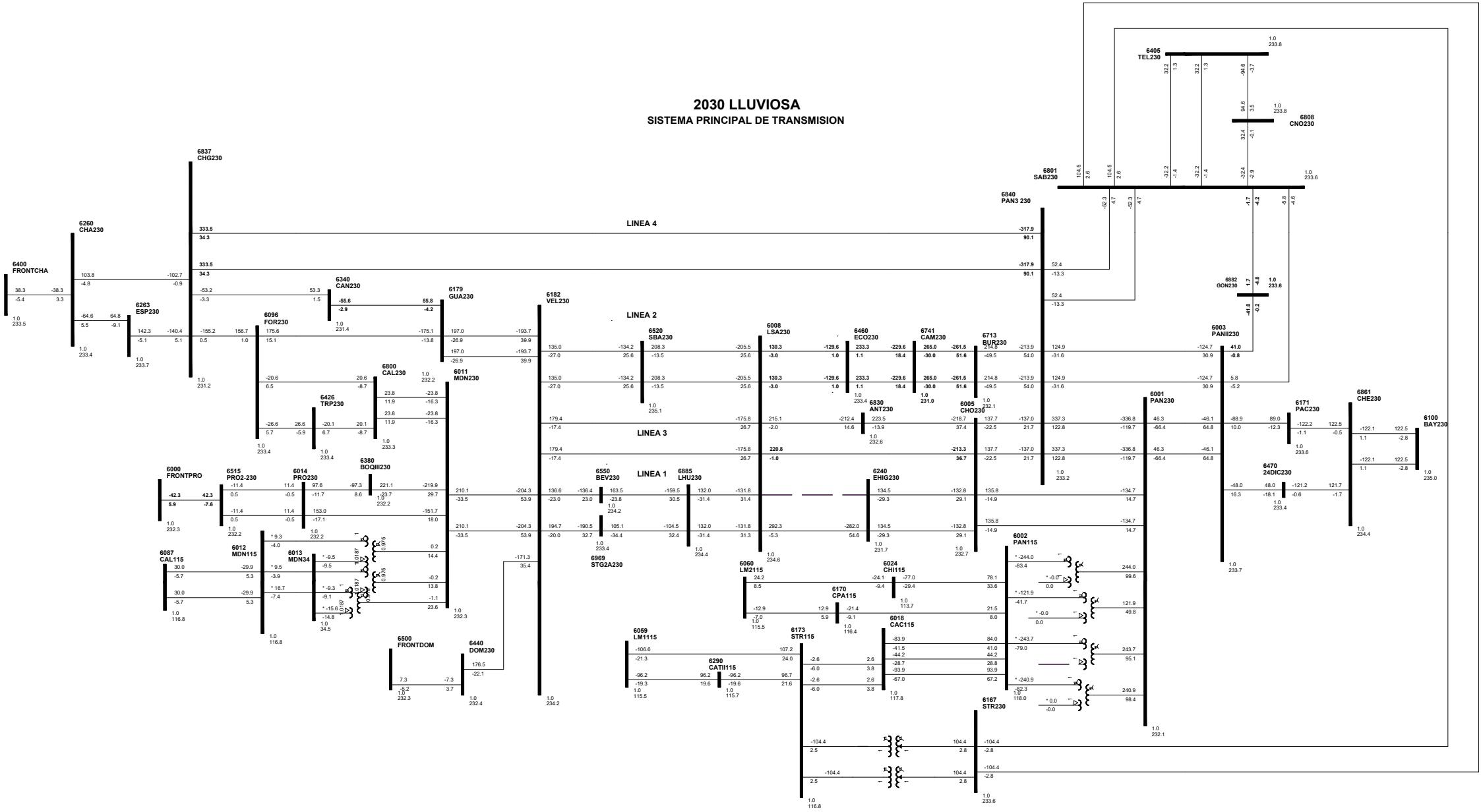


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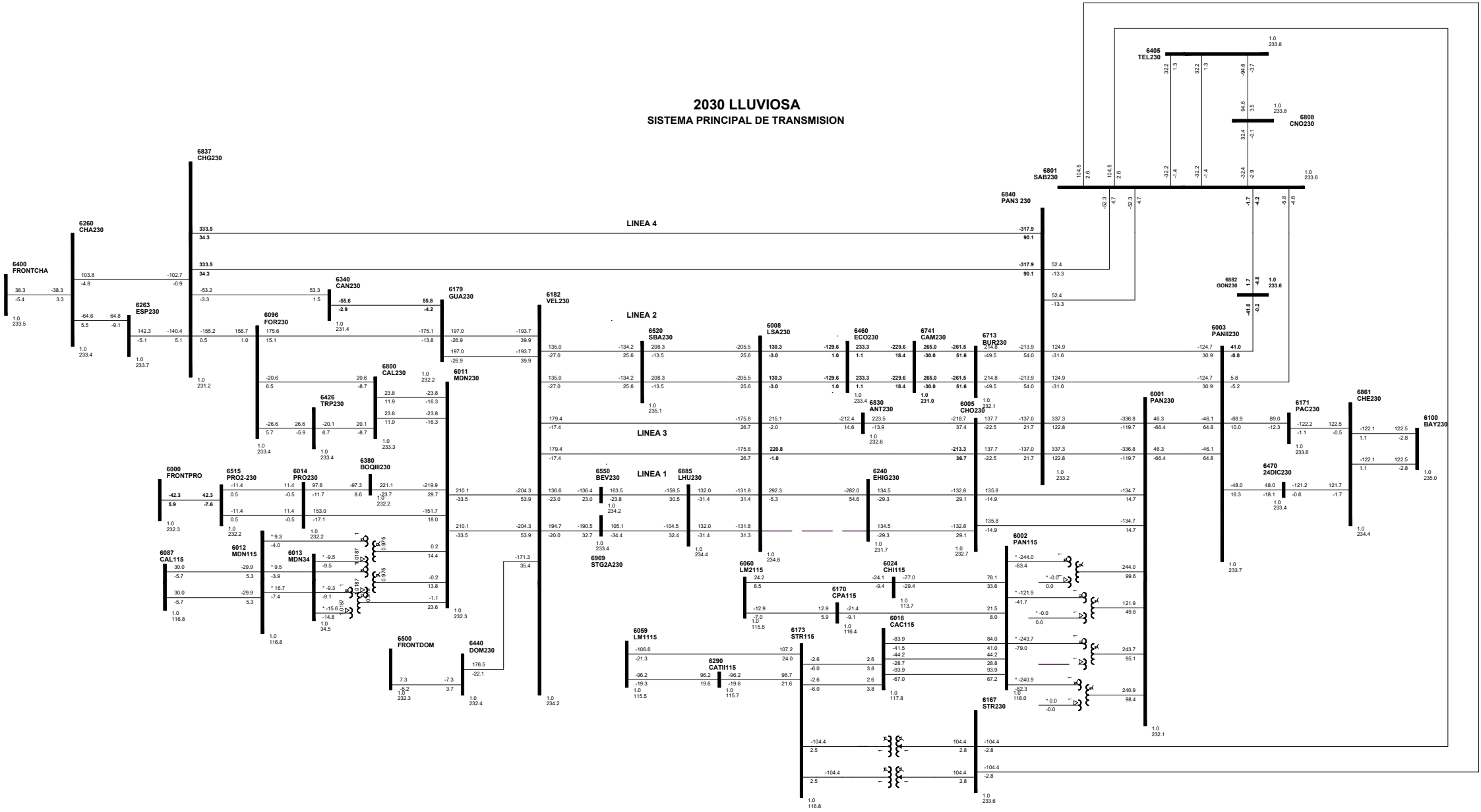


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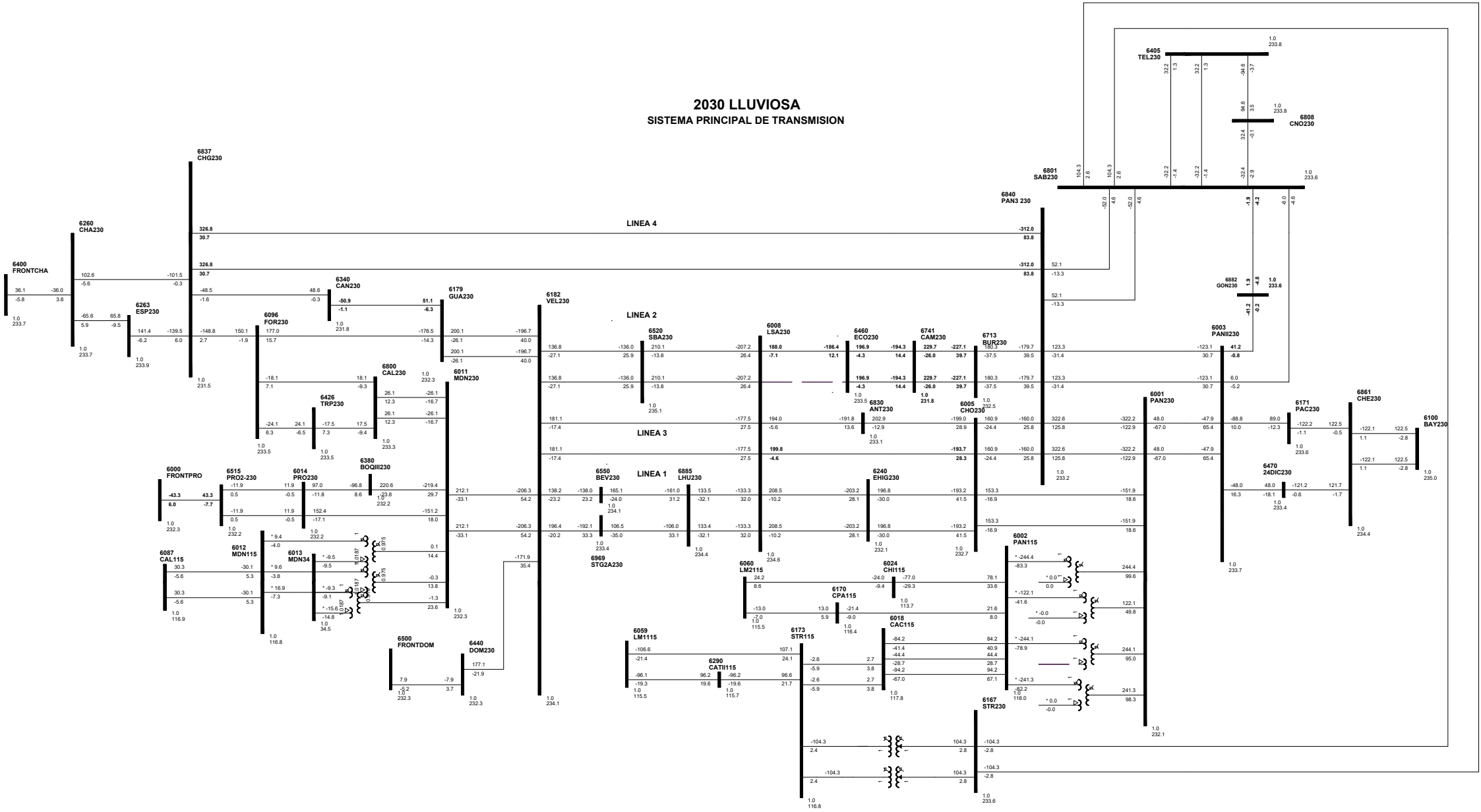



2030 LLUVIOSA
SISTEMA PRINCIPAL DE TRANSMISION
LINEA 1
LINEA 2
LINEA 3
LINEA 4
6400 FRONTCHA
6260 CHA230
6837 CHG230
6263 ESP230
6340 CAN230
6179 GUA230
6096 FOR230
6426 TRP230
6800 CAL230
6011 MDN230
6182 VEL230
6380 BOQIII230
6000 FRONTPRO
6515 PRO2-230
6014 PRO230
6087 CAL115
6012 MDN115
6013 MDN34
6500 FRONTDOM
6440 DOM230
6520 SBA230
6550 BEV230
6885 LHU230
6969 STG2A230
6008 LSA230
6460 ECO230
6741 CAM230
6713 BUR230
6830 ANT230
6005 CHO230
6240 EHIG230
6060 LM2115
6170 CPA115
6024 CHI115
6018 CAC115
6059 LM1115
6290 CATII115
6173 STR115
6167 STR230
6840 PAN3 230
6801 SAB230
6405 TEL230
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6100 BAY230
6470 24DIC230

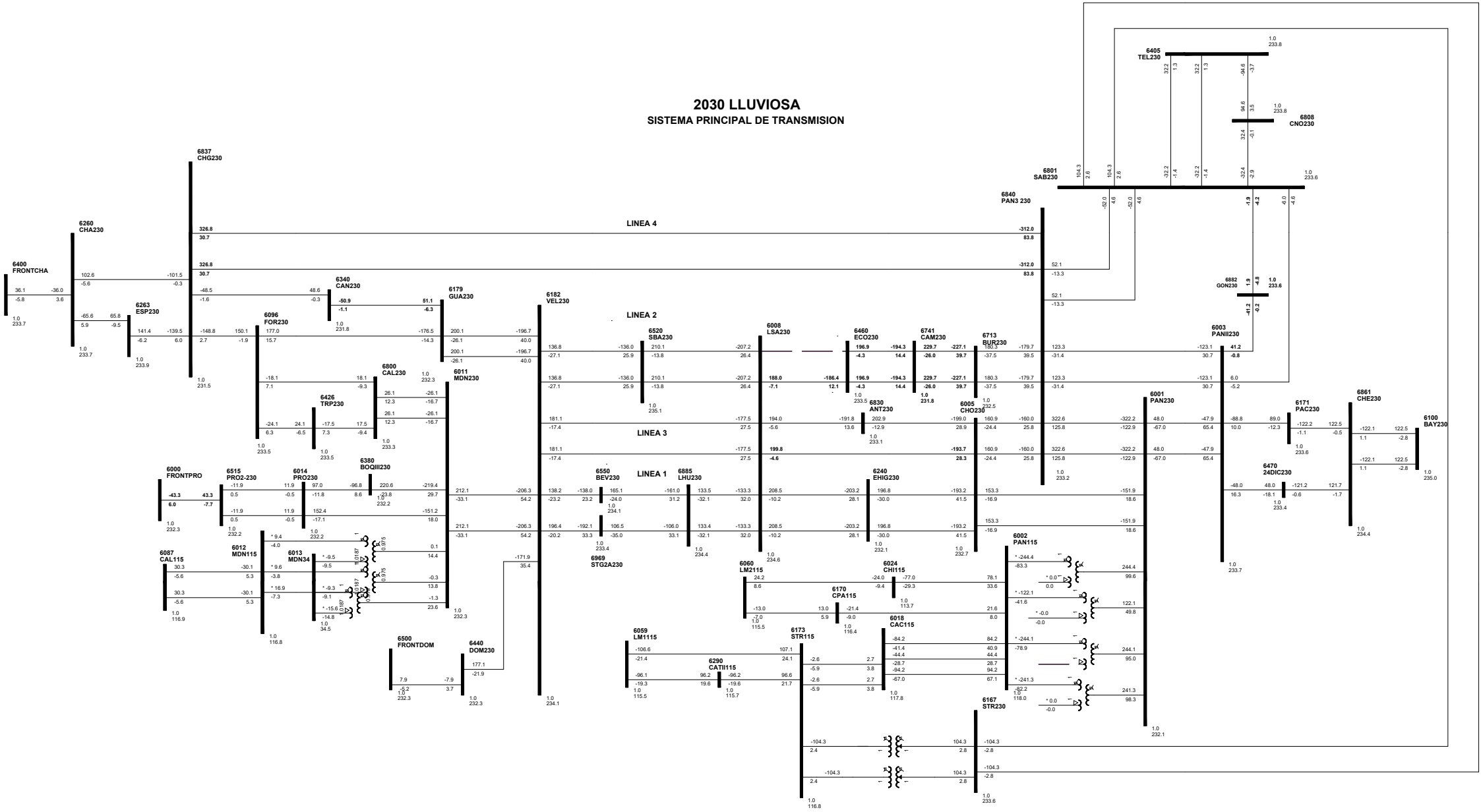
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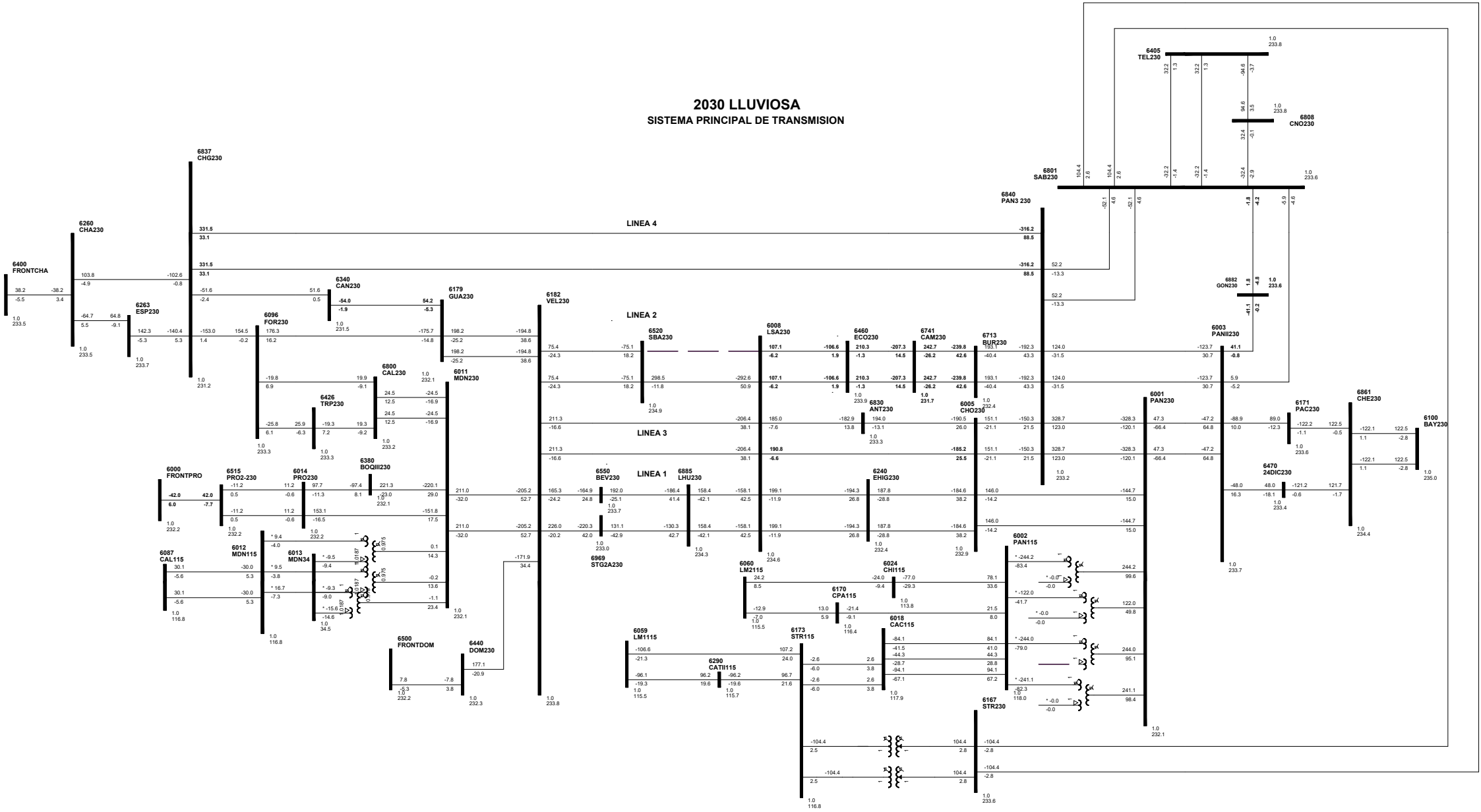
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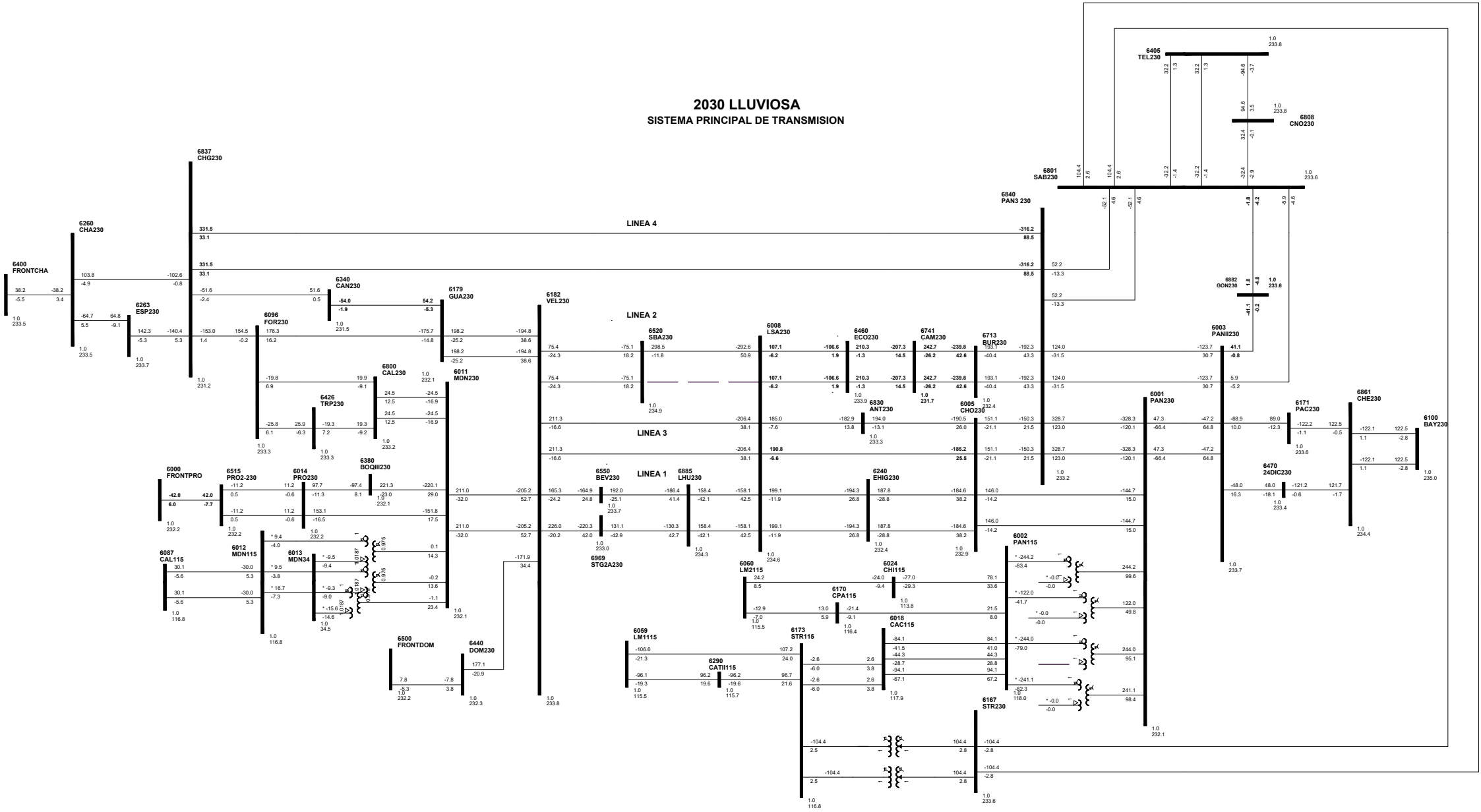
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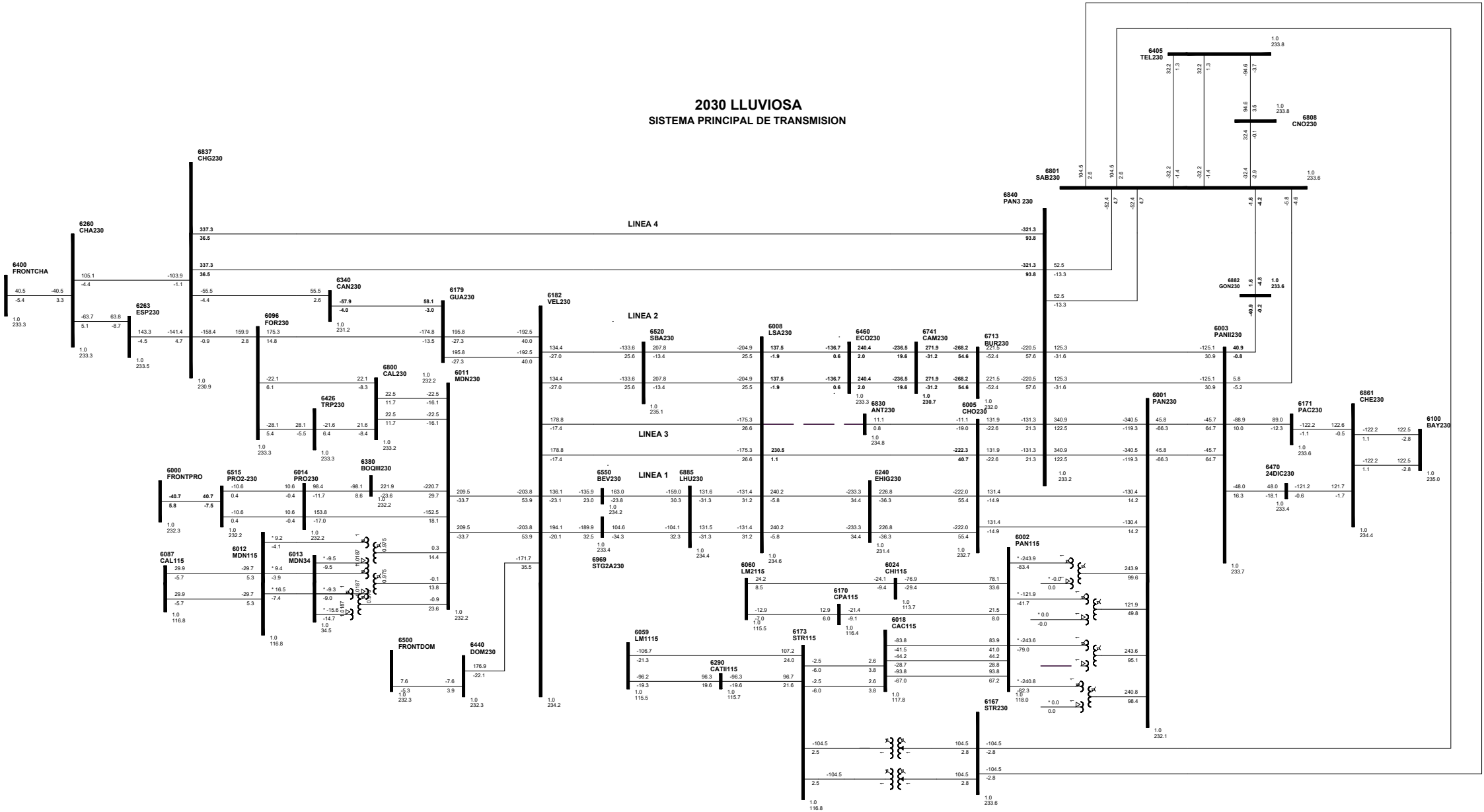
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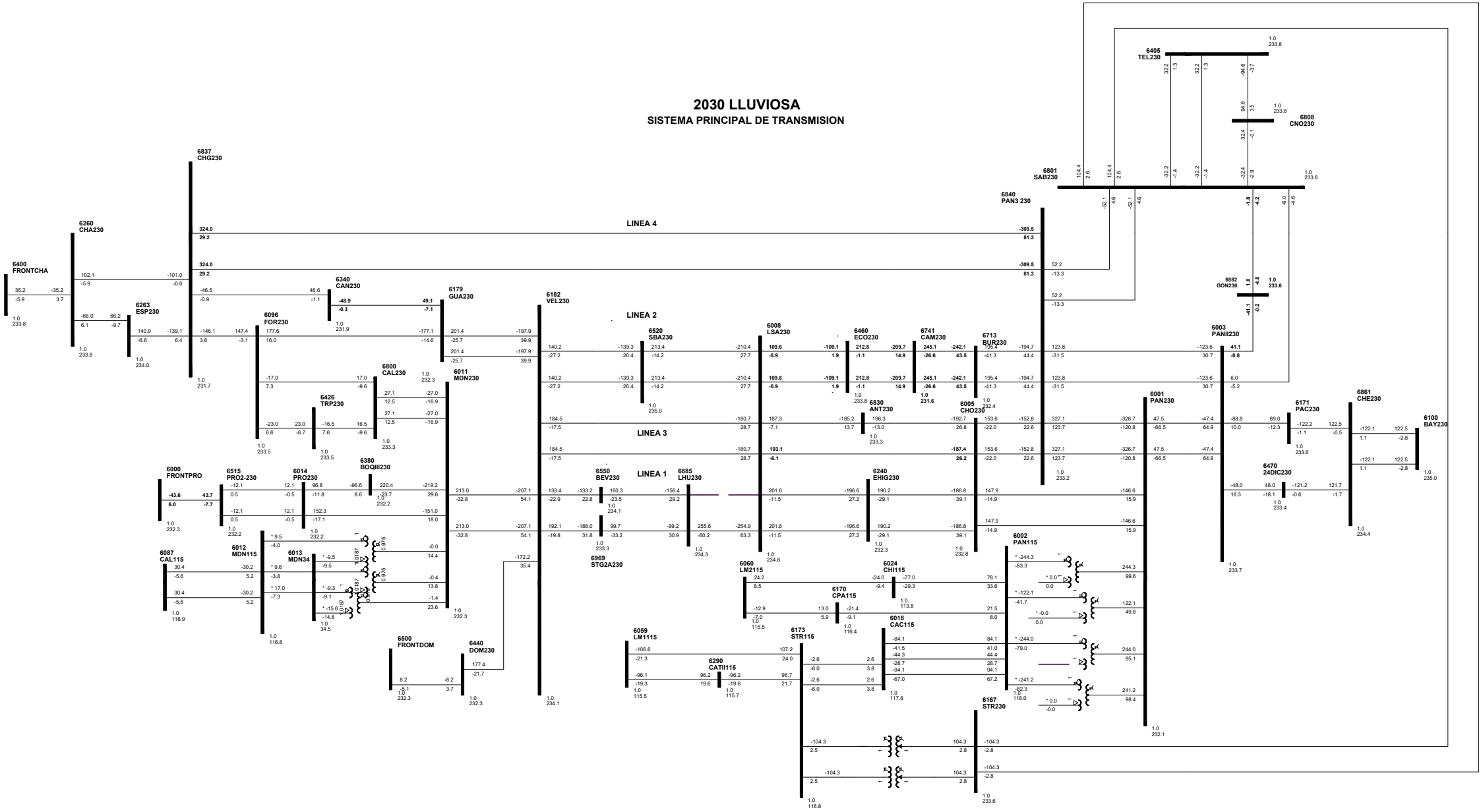
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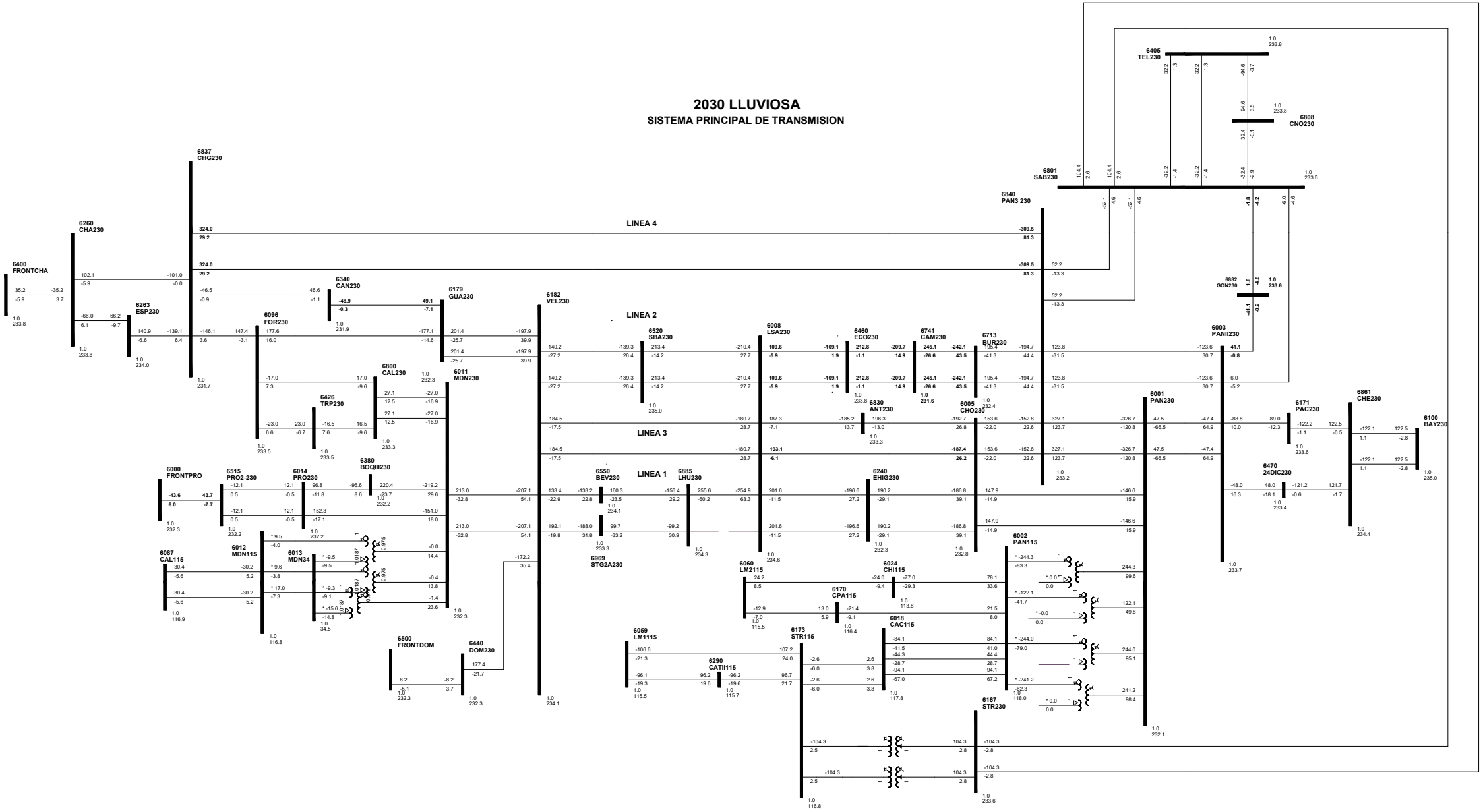
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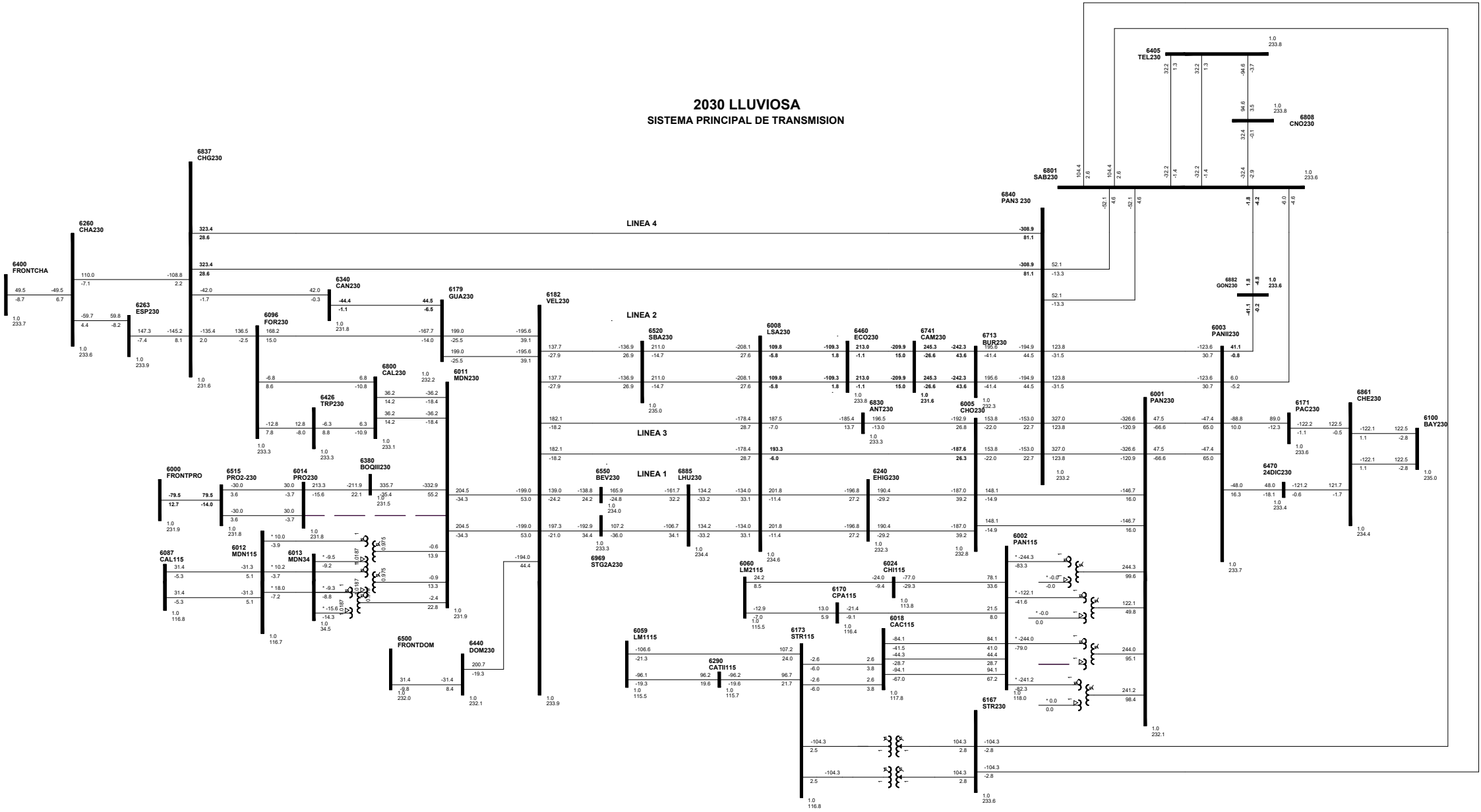
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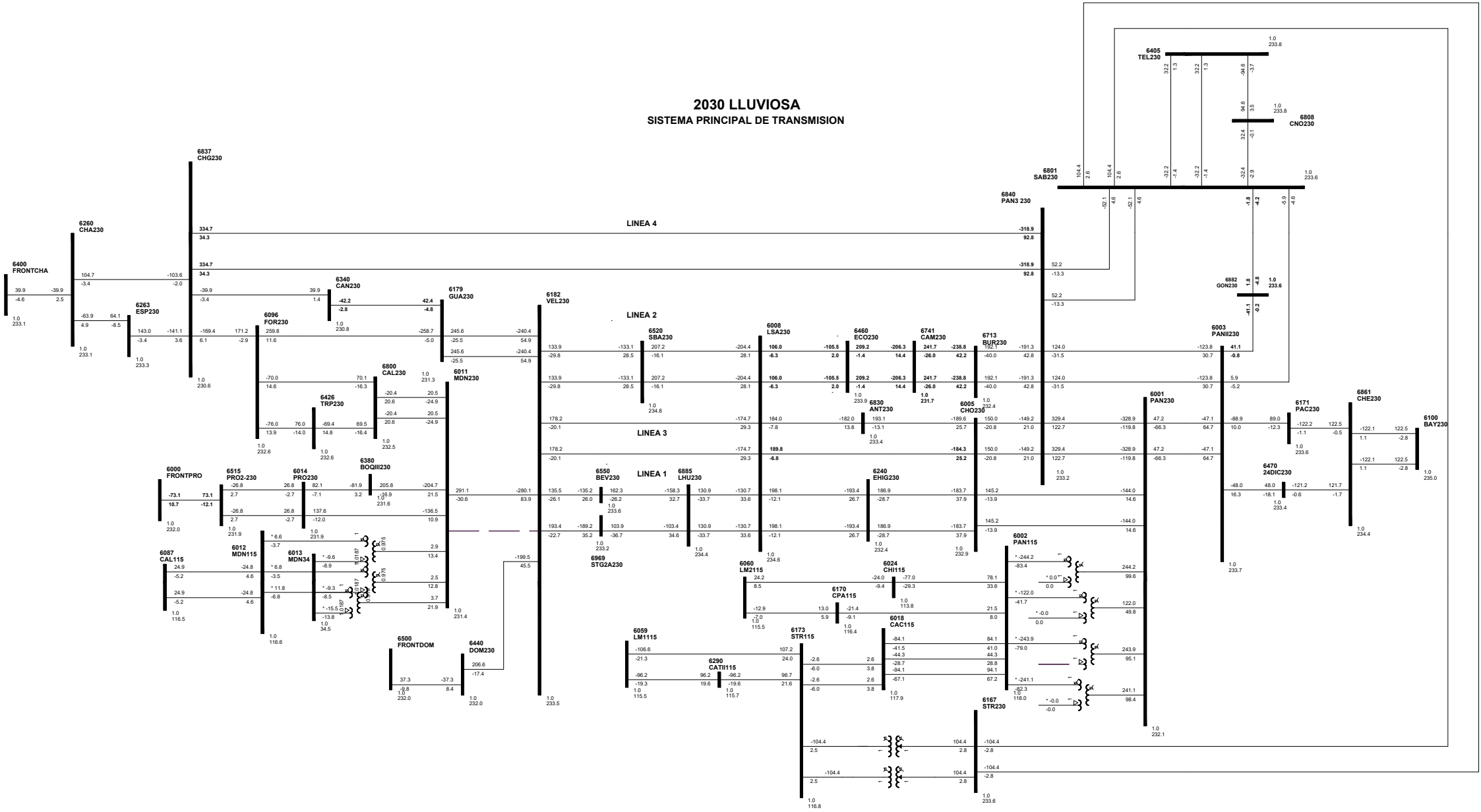
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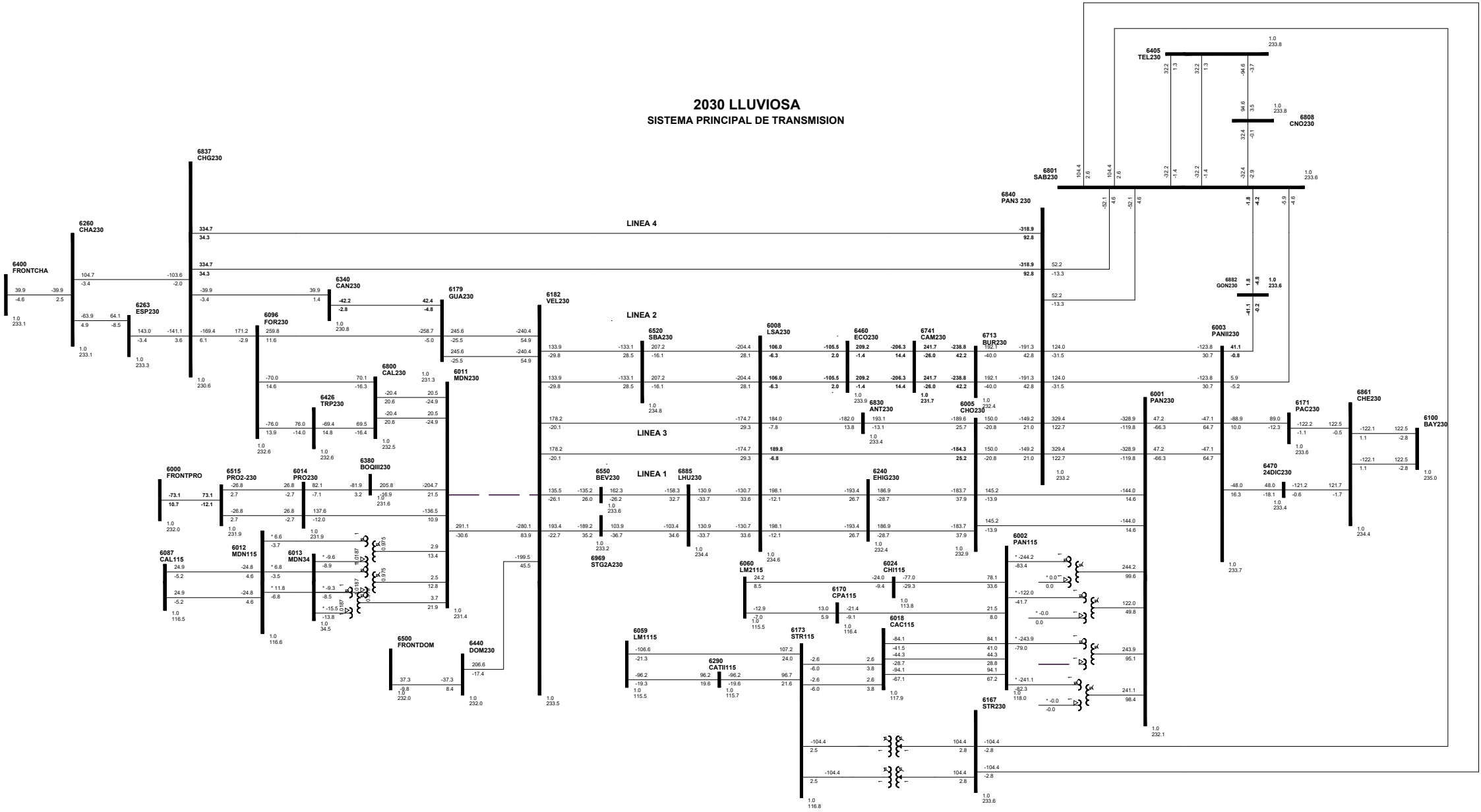
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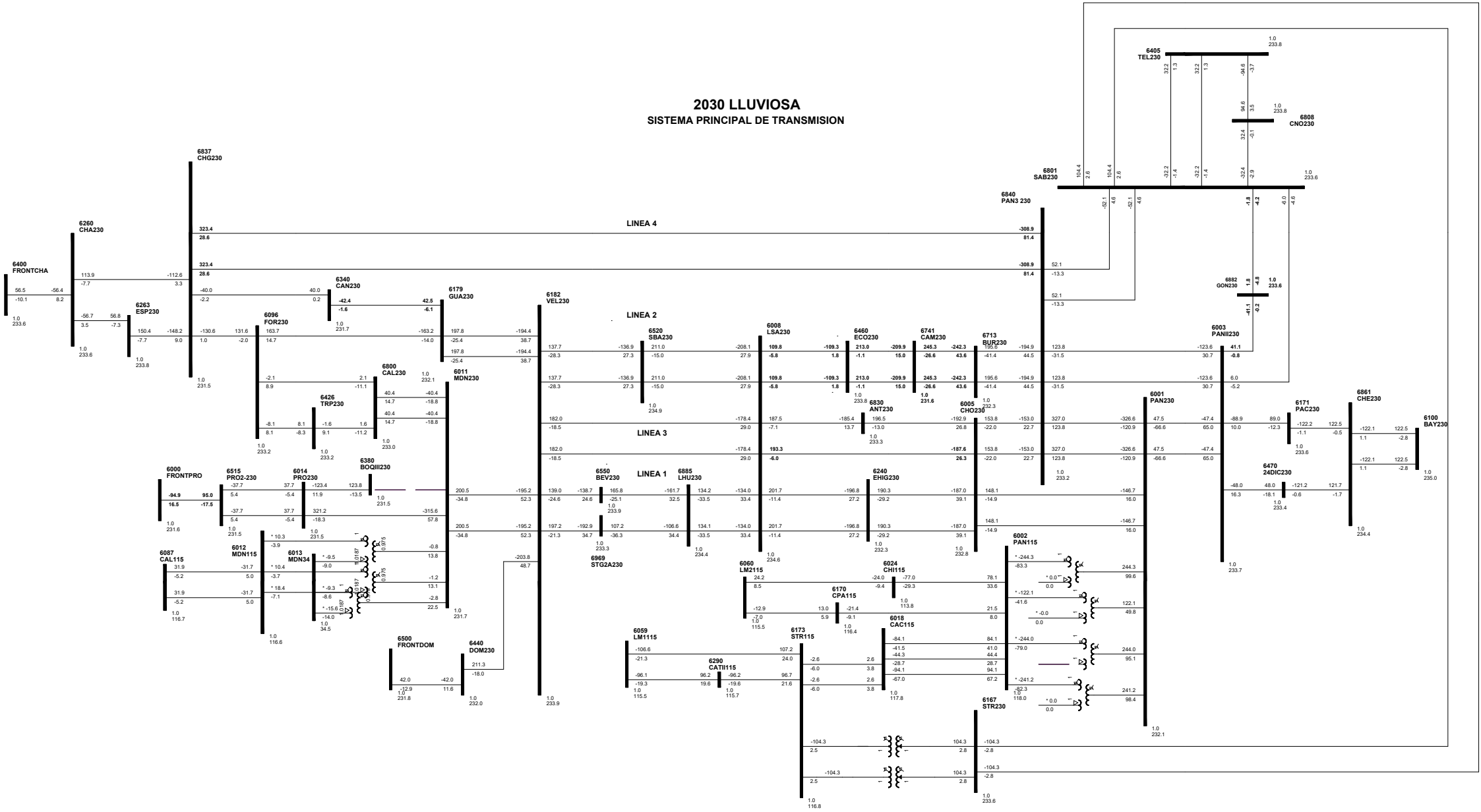
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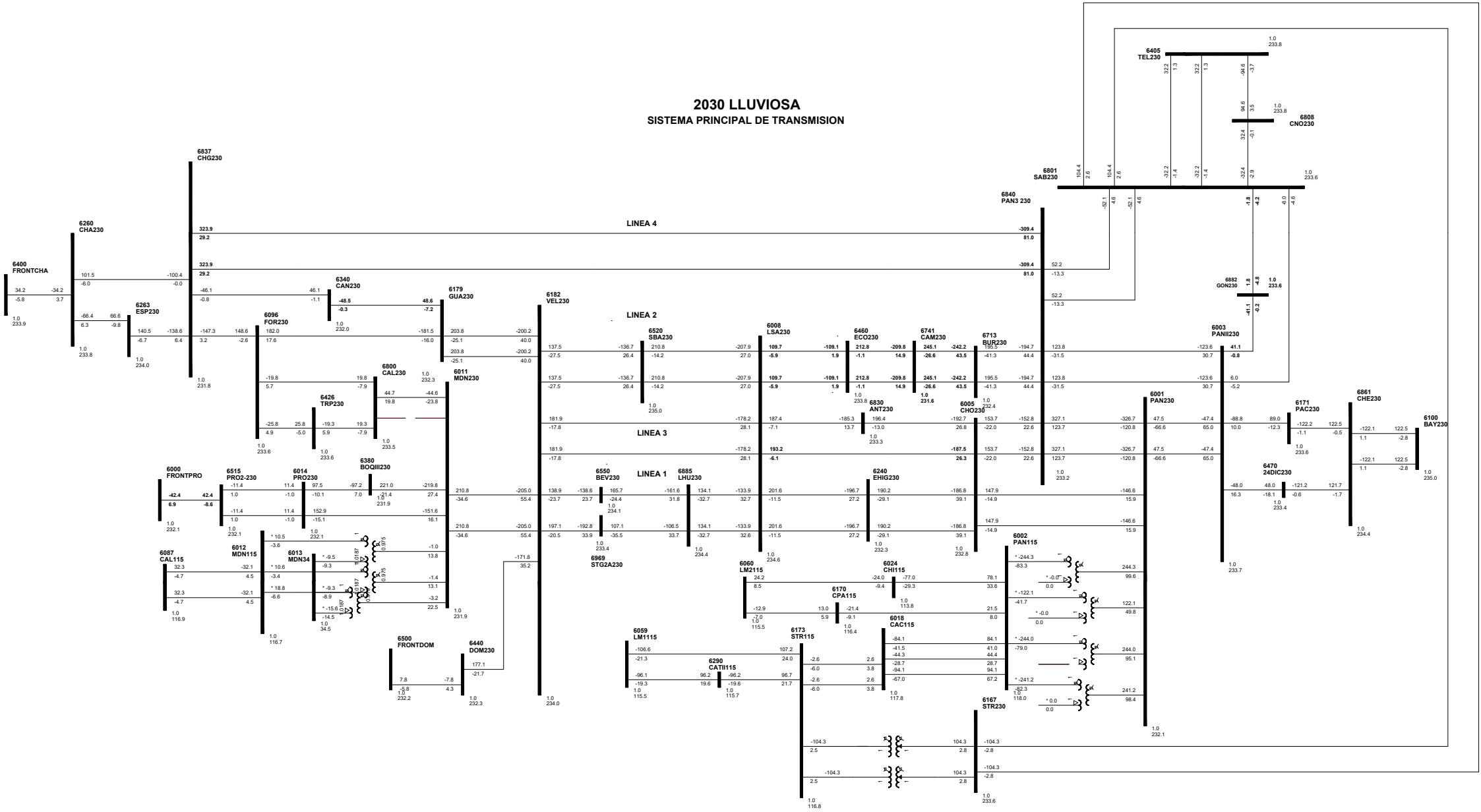
Contingencia 38



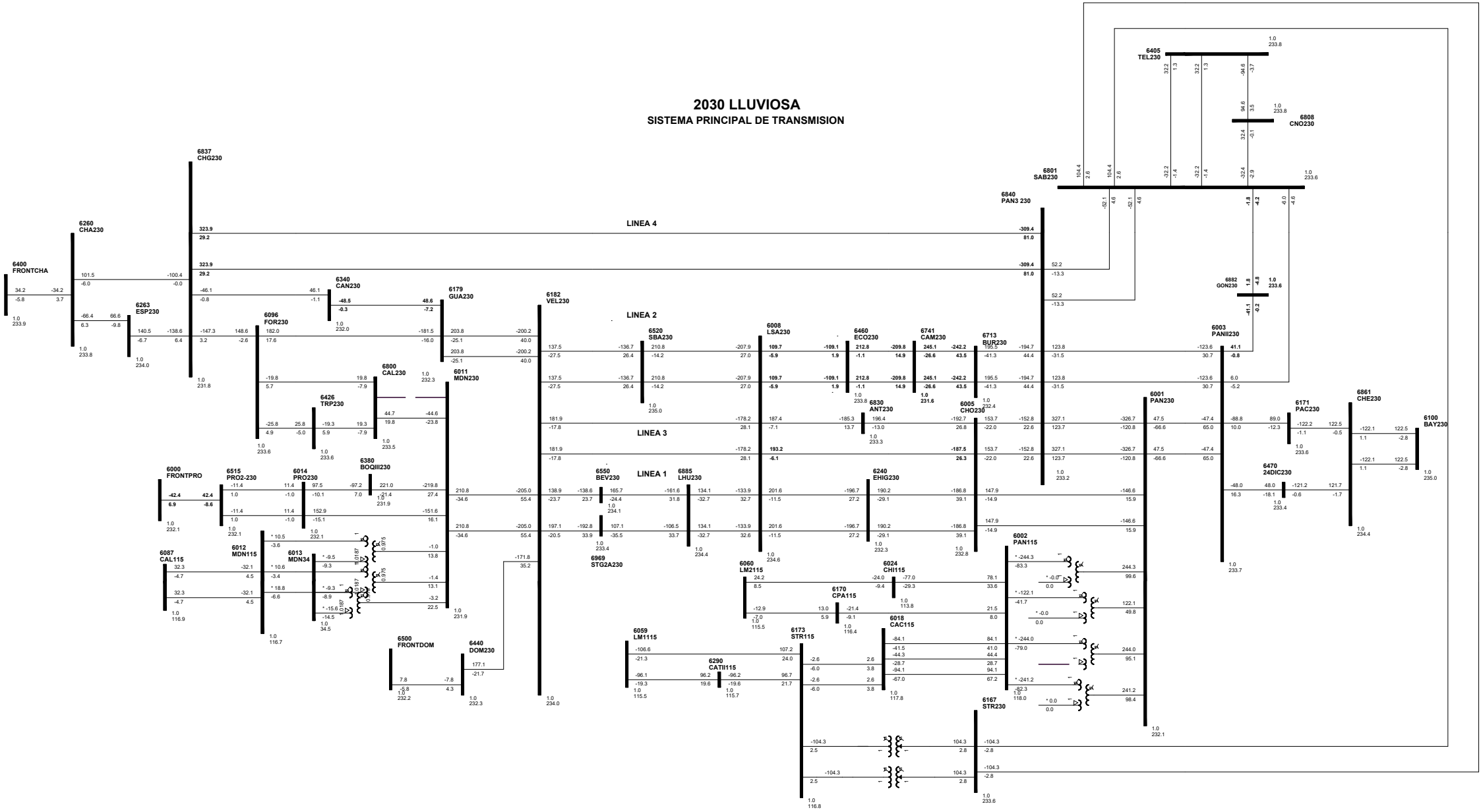
Contingencia 39



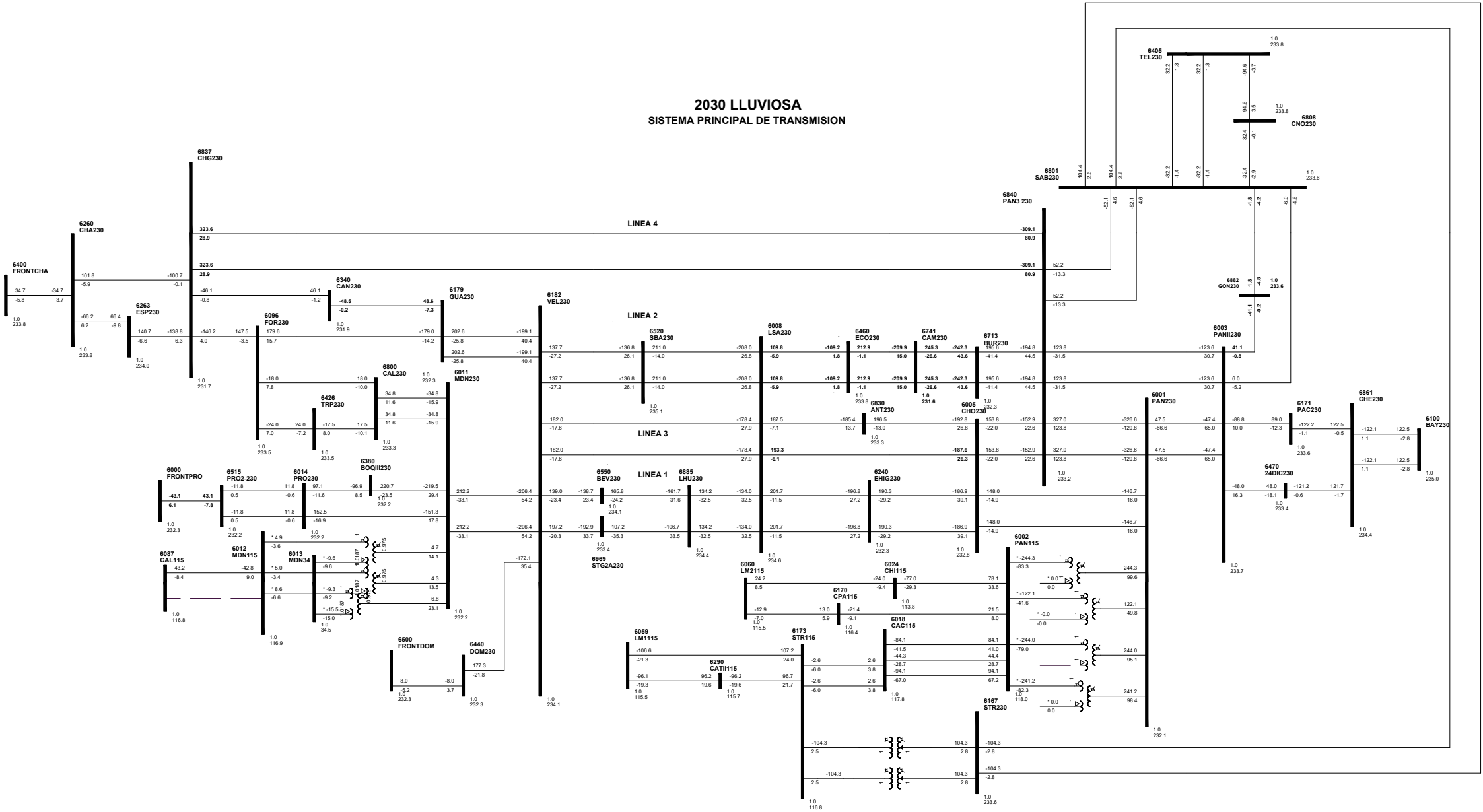
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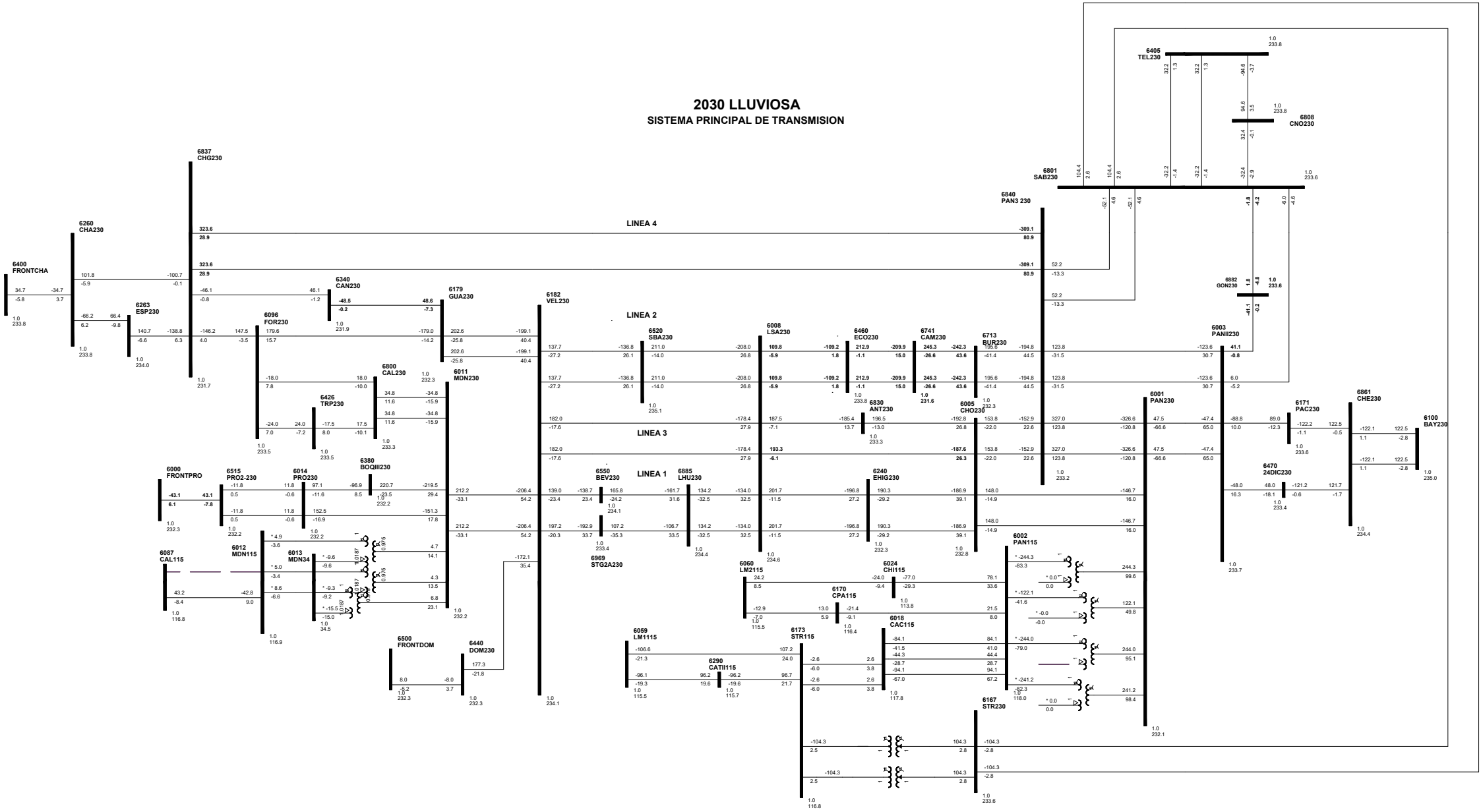
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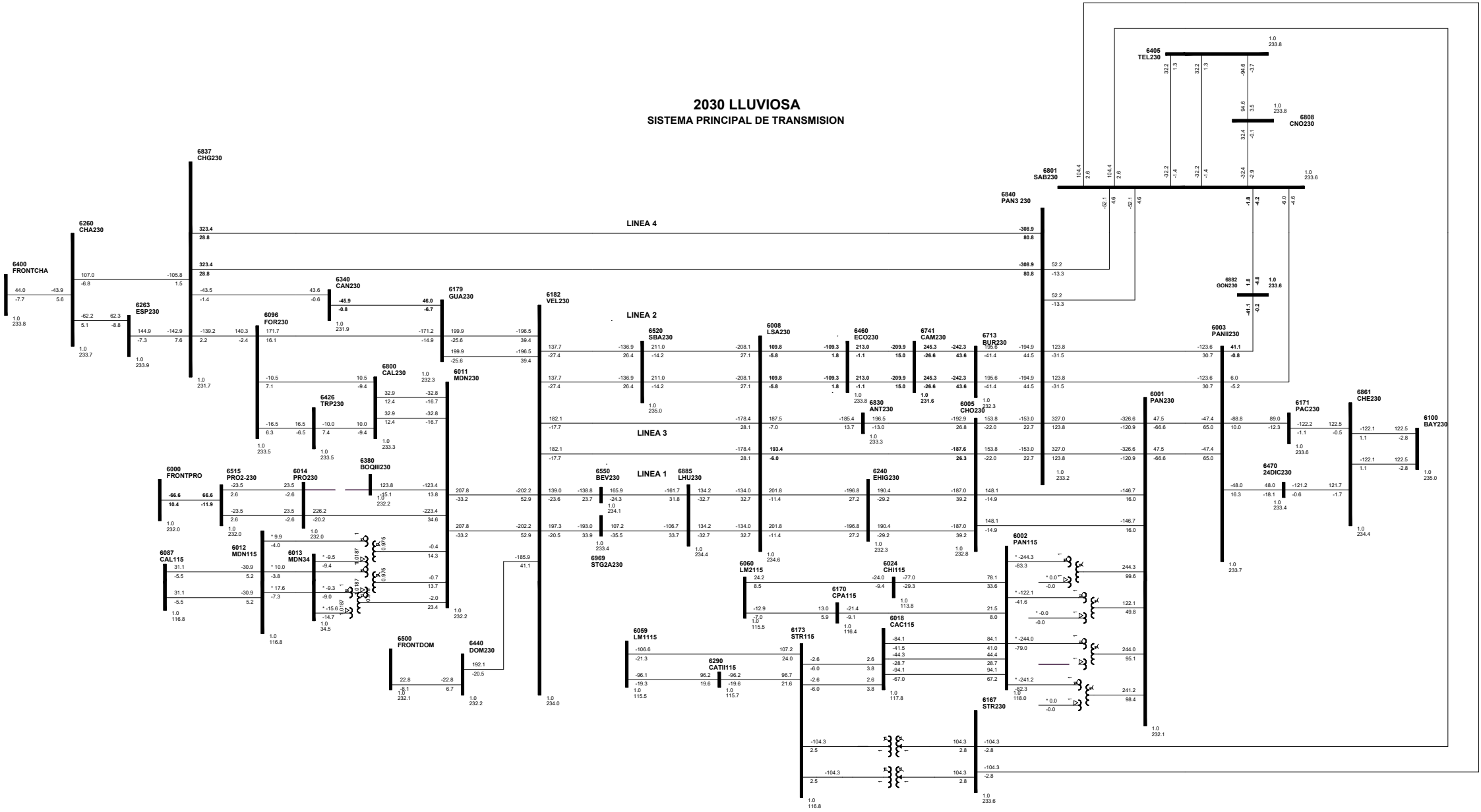
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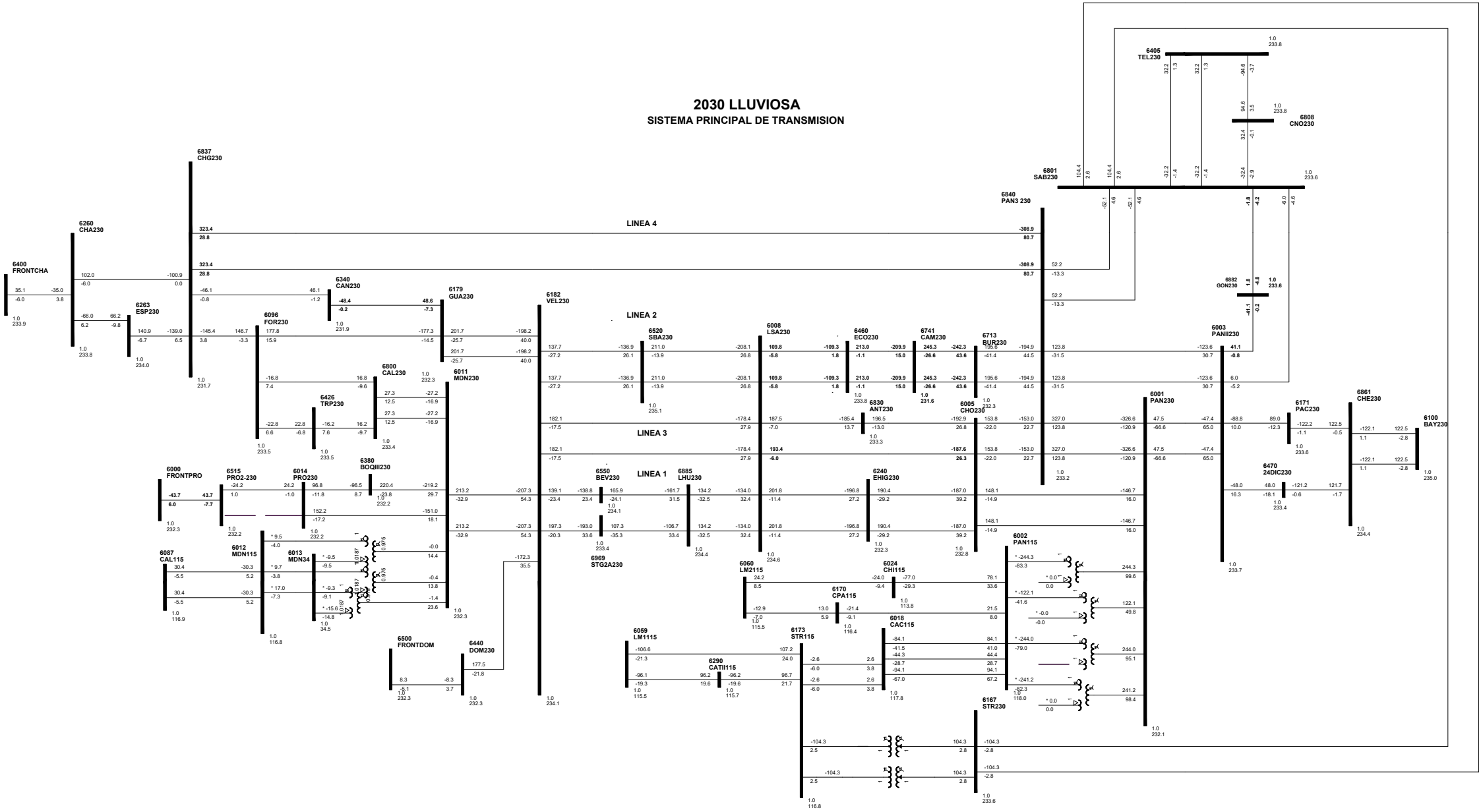
Contingencia 43



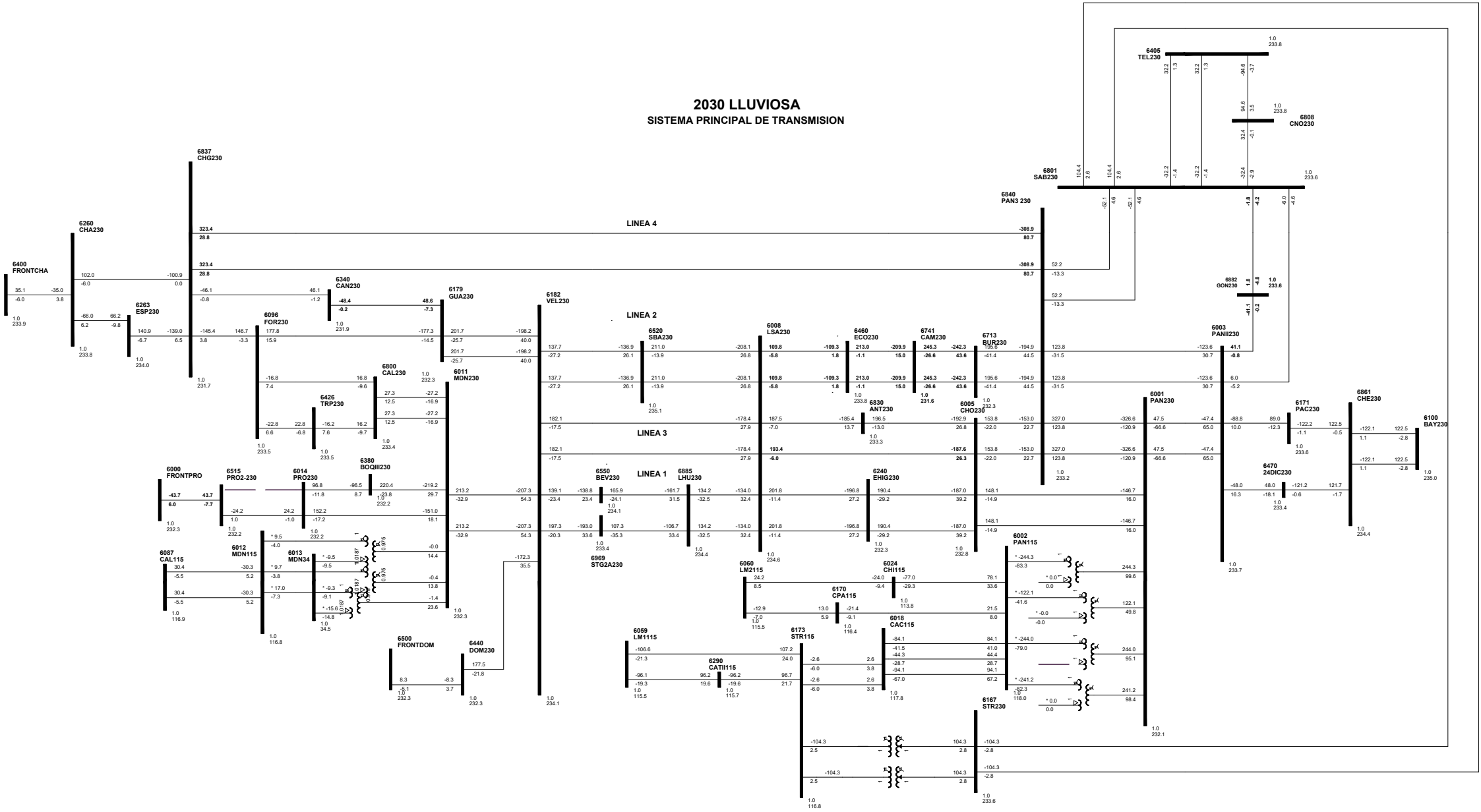
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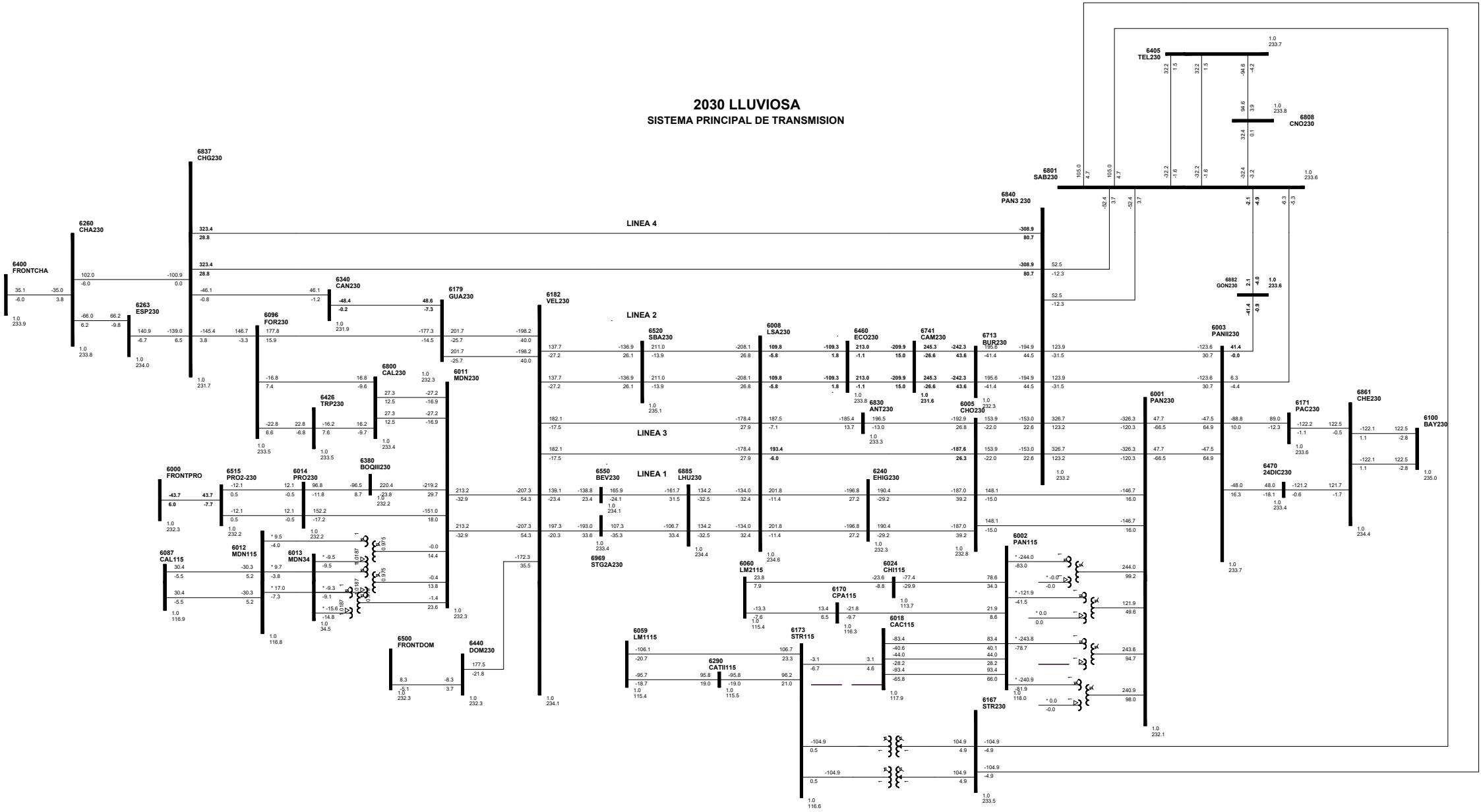
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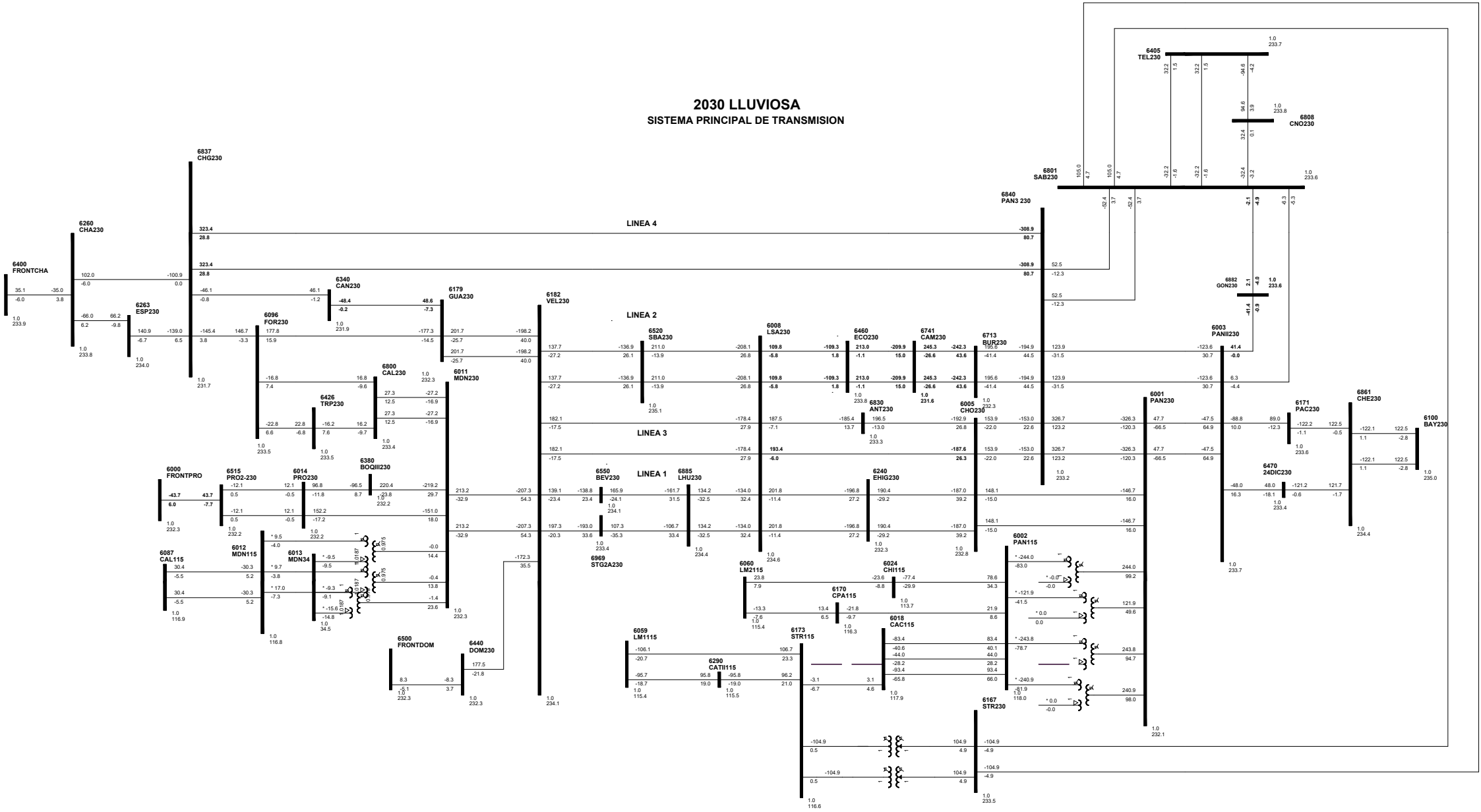
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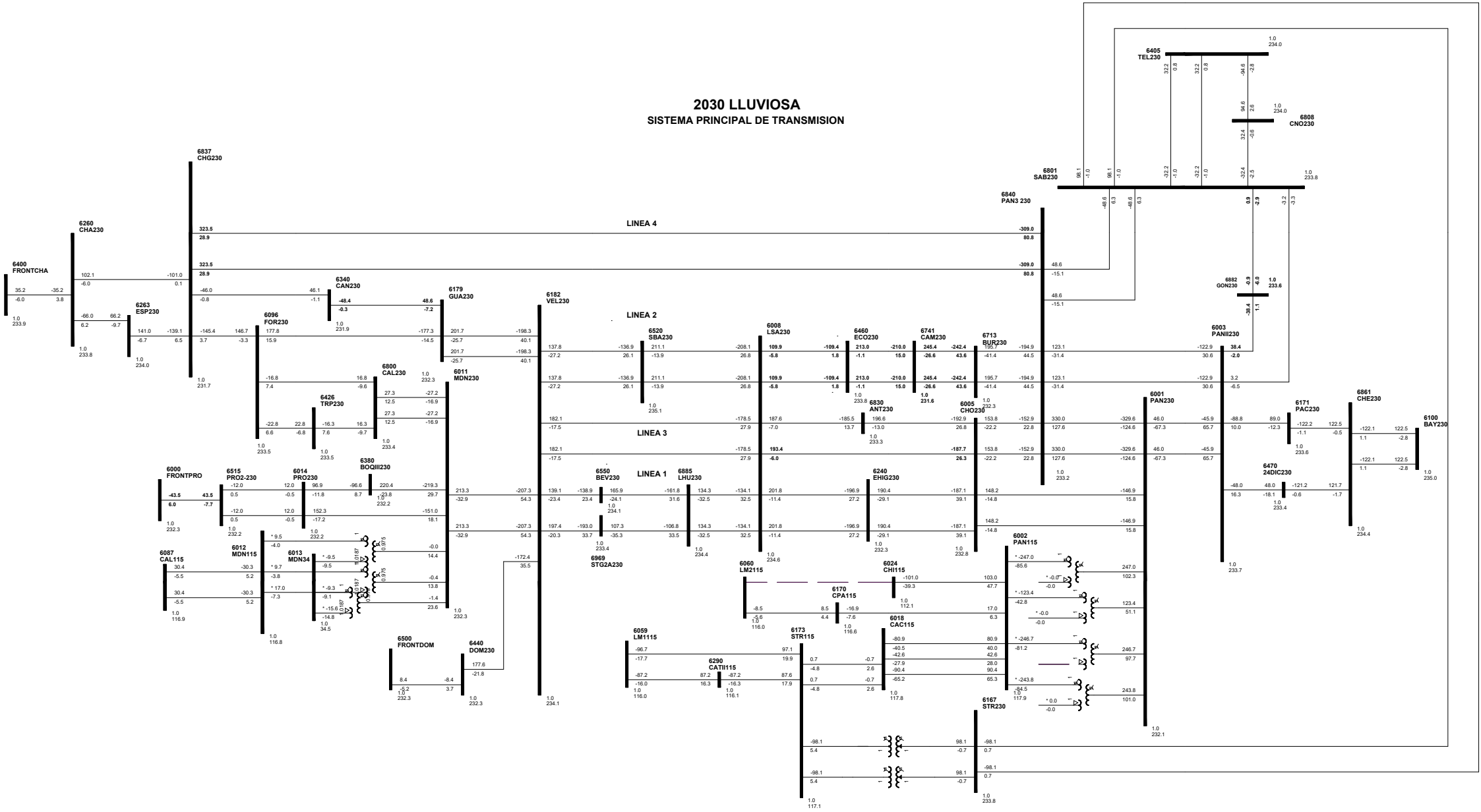
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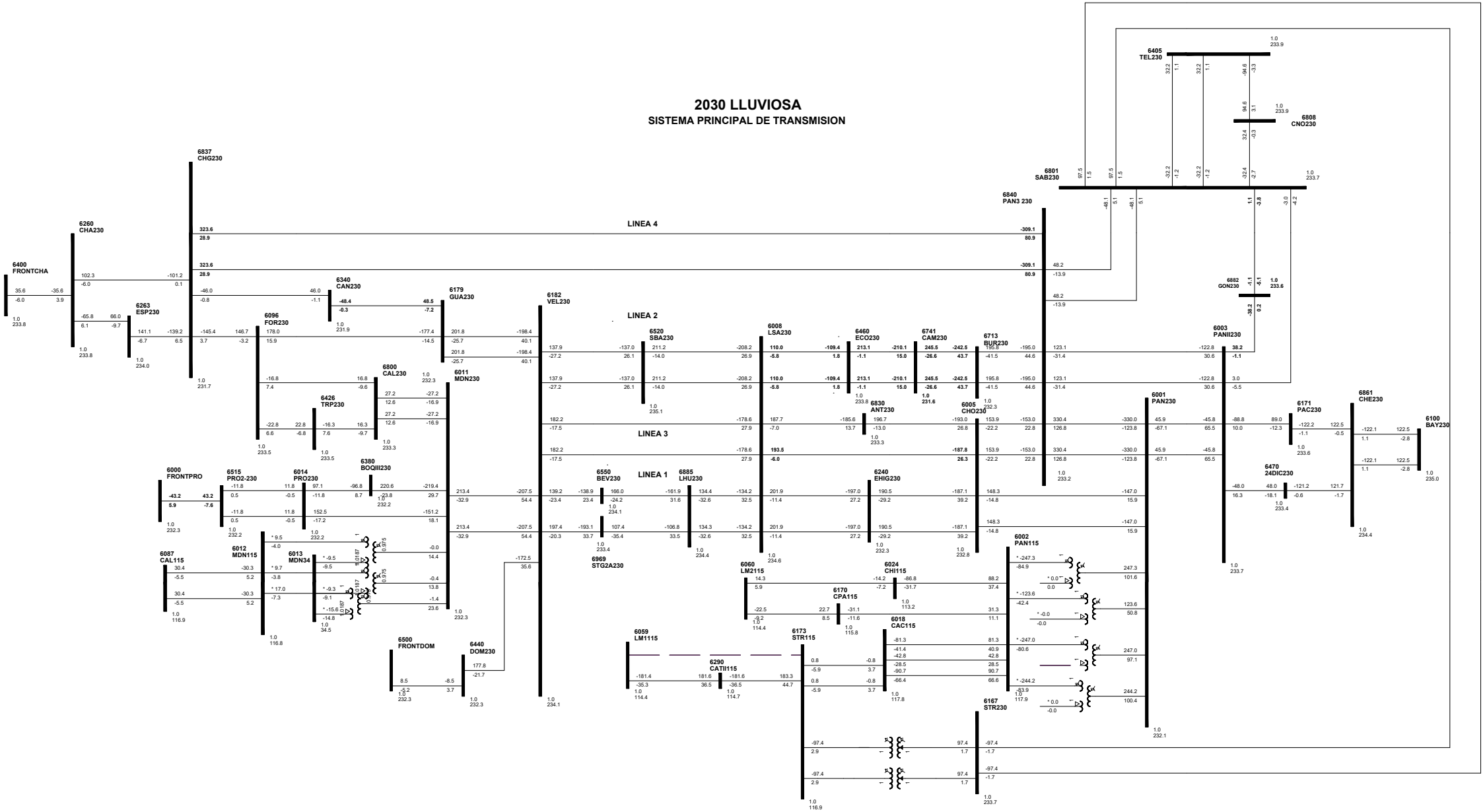
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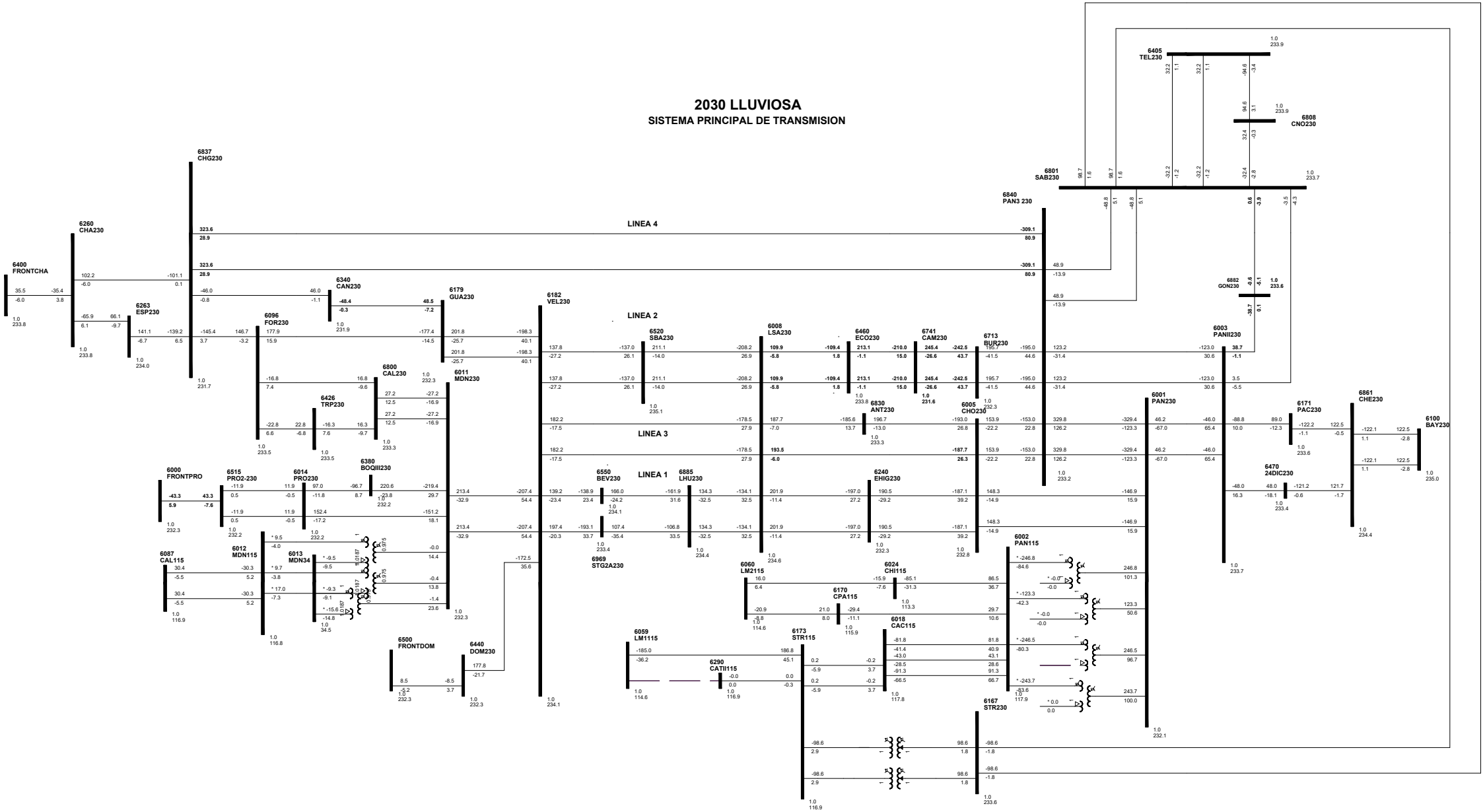
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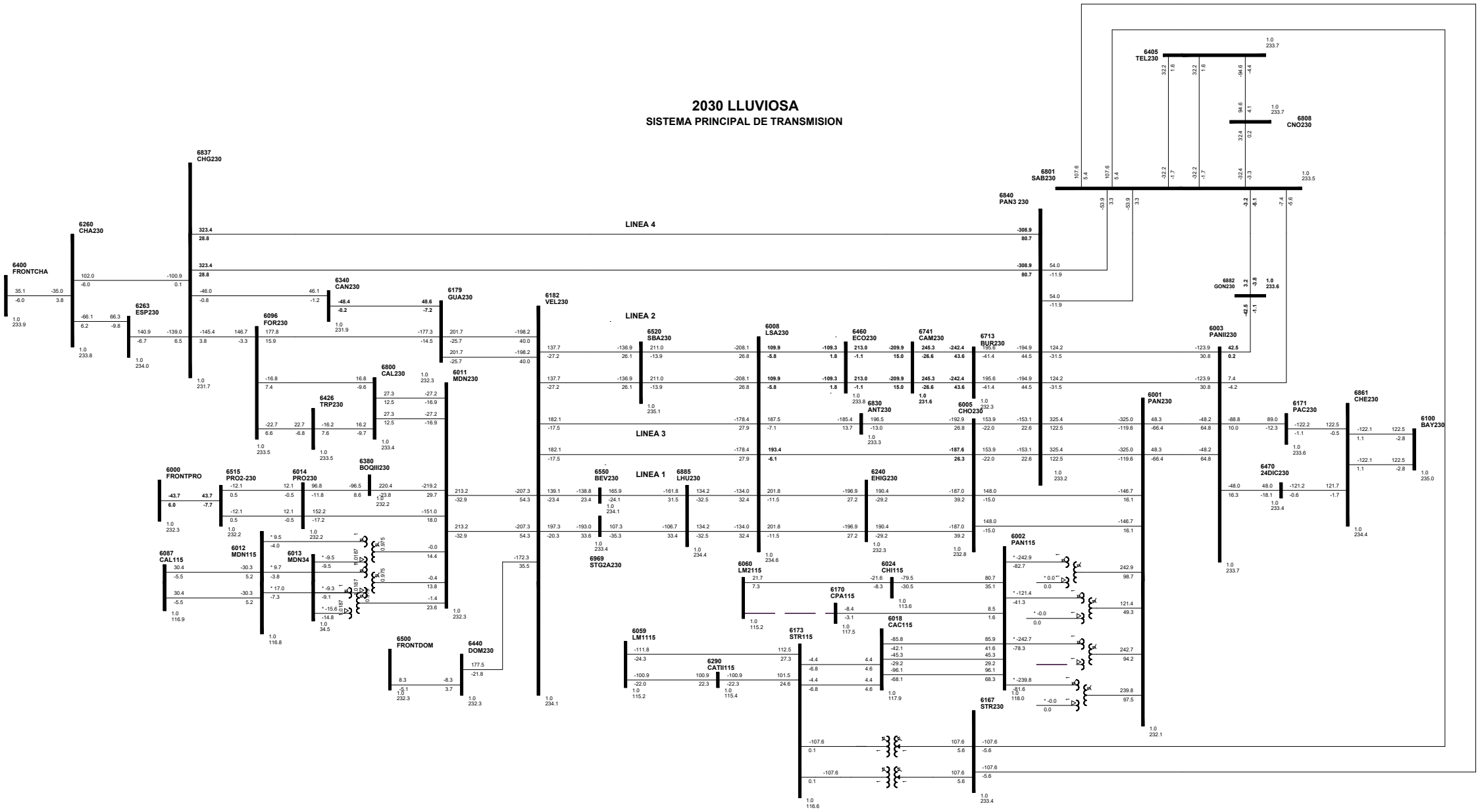
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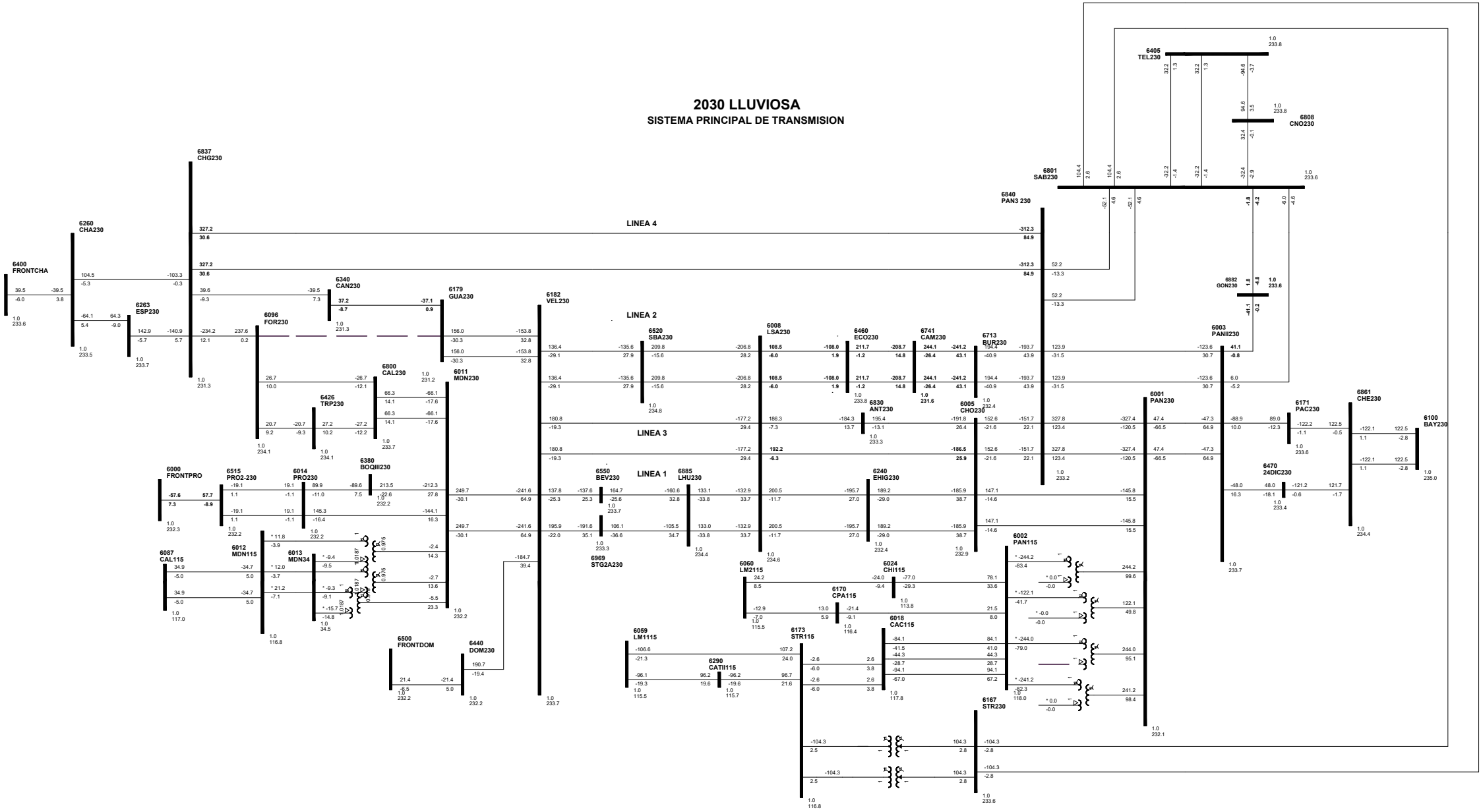
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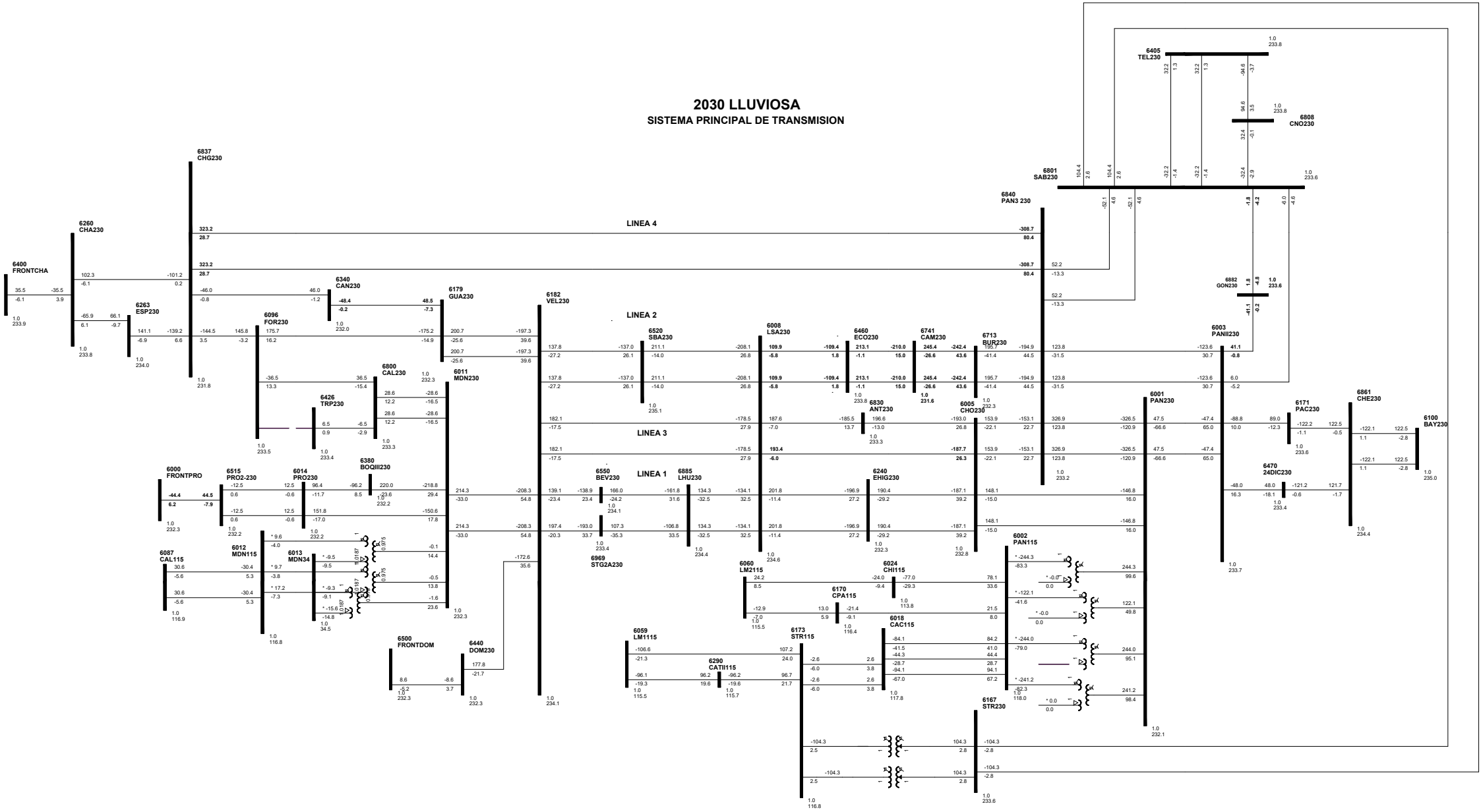
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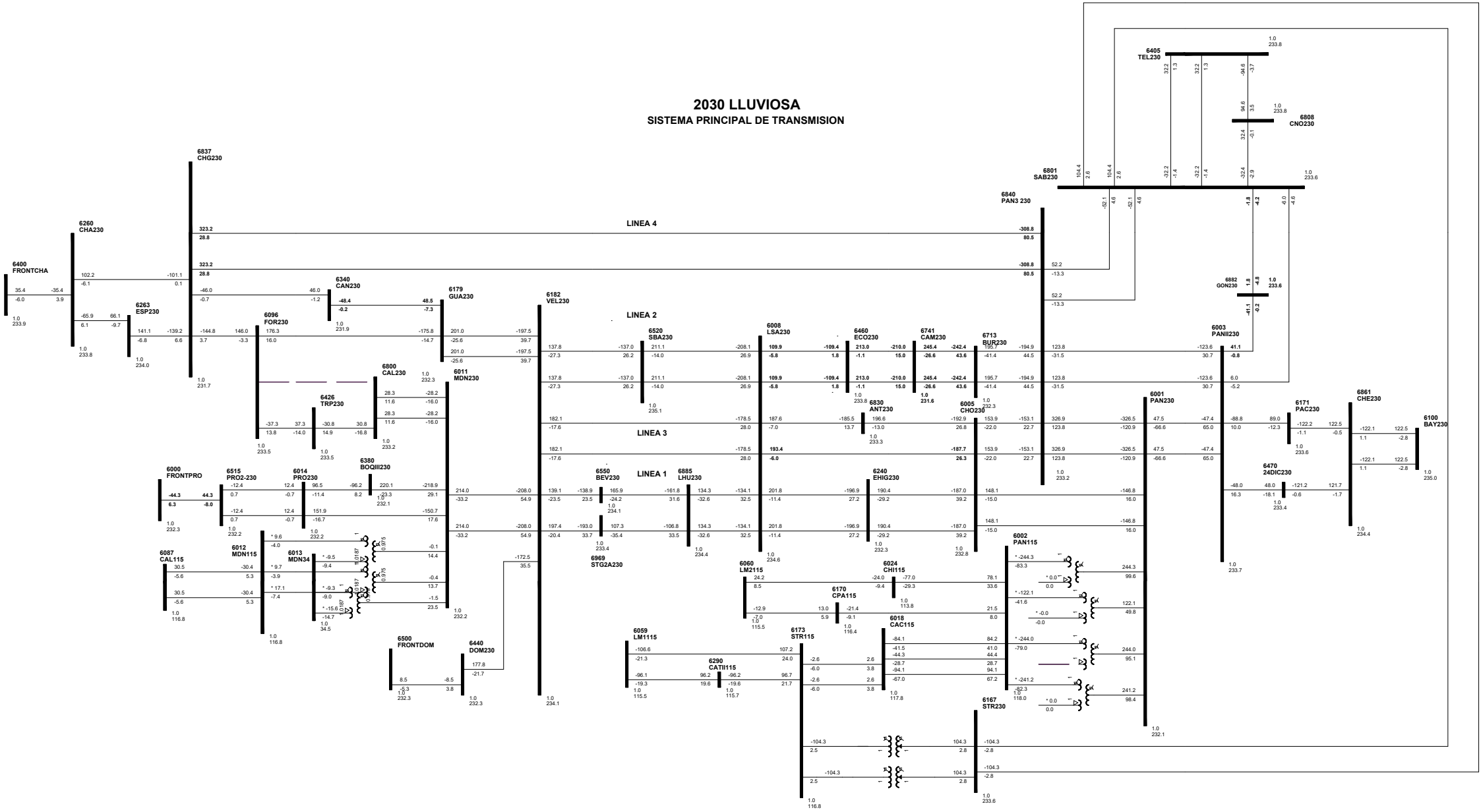
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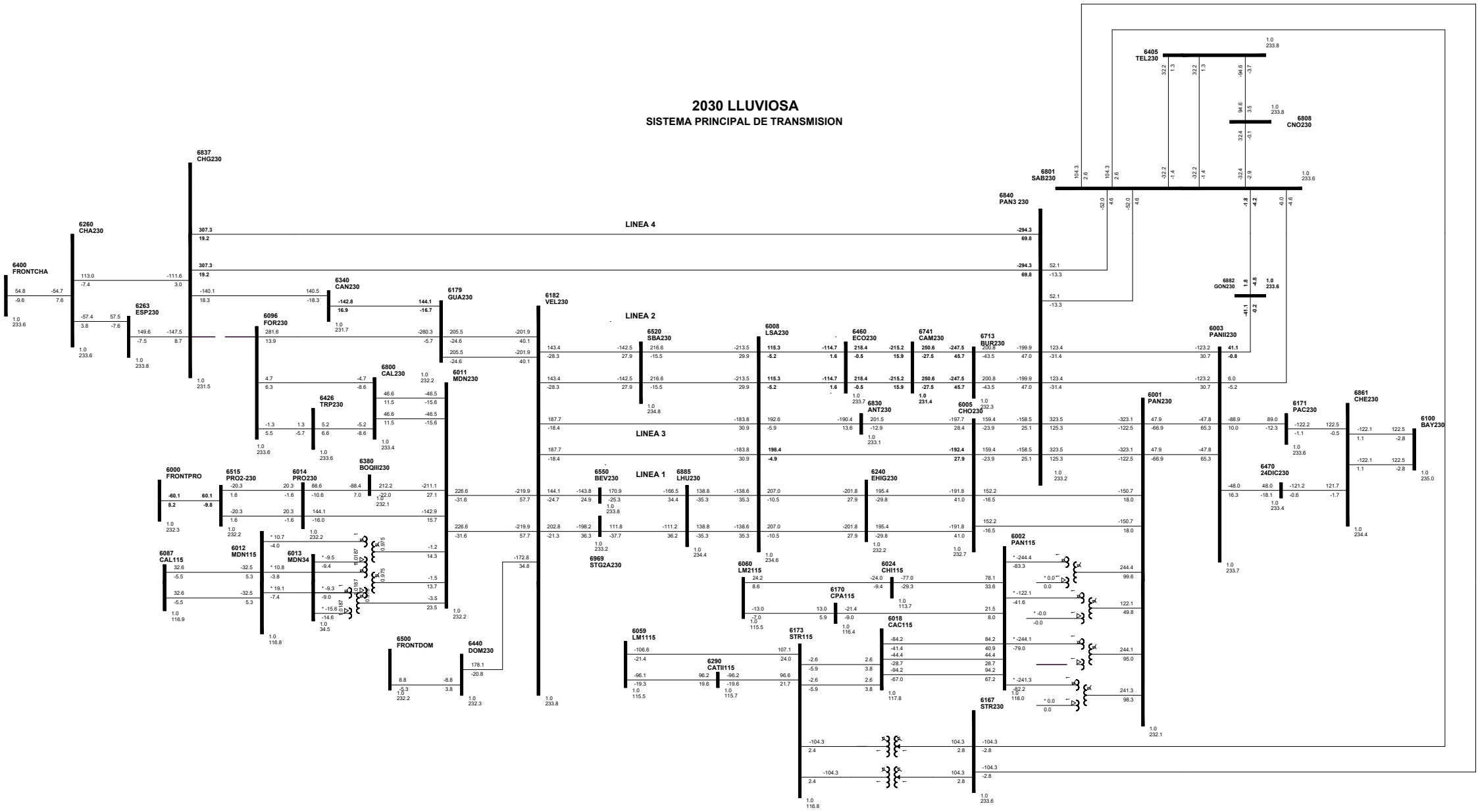
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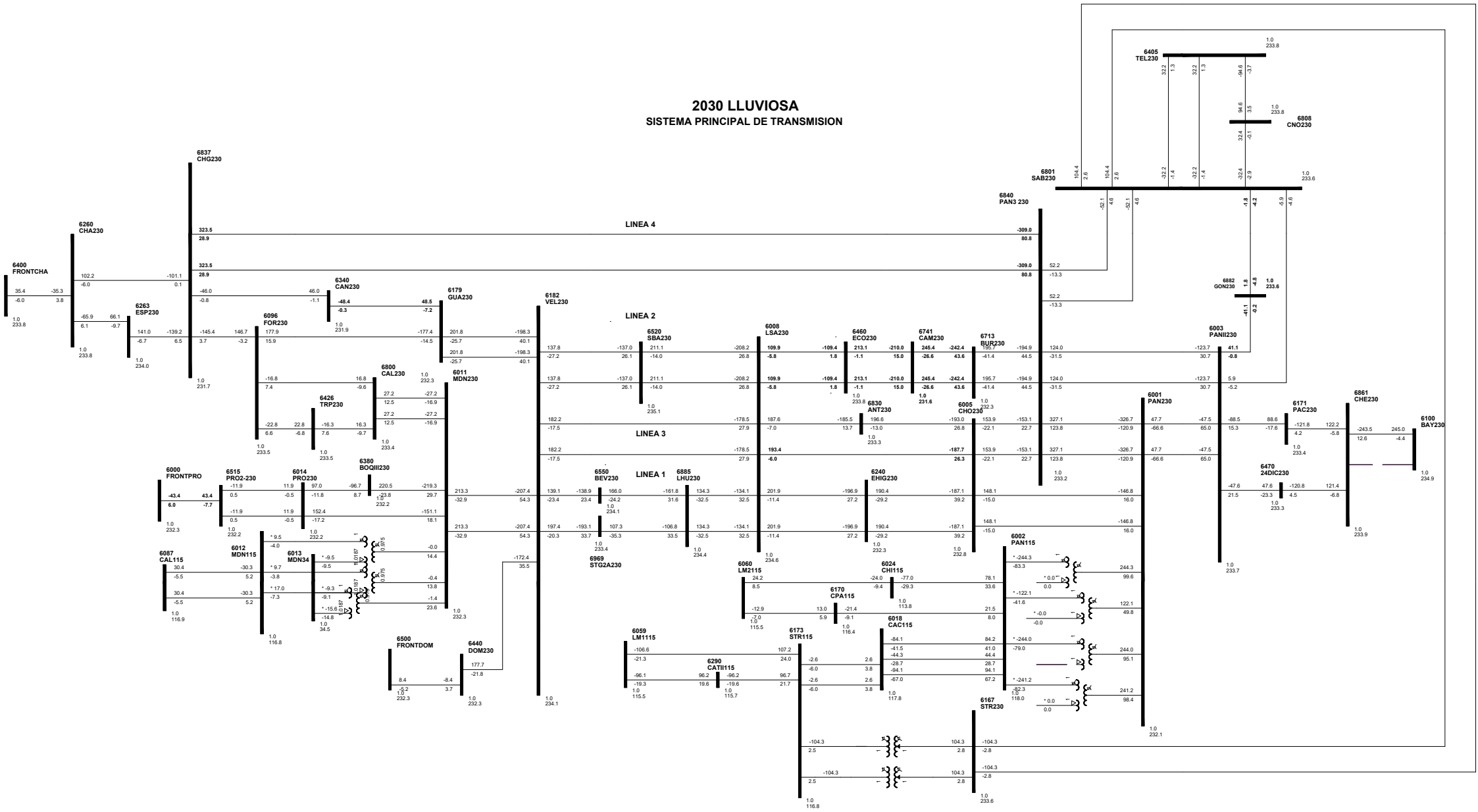
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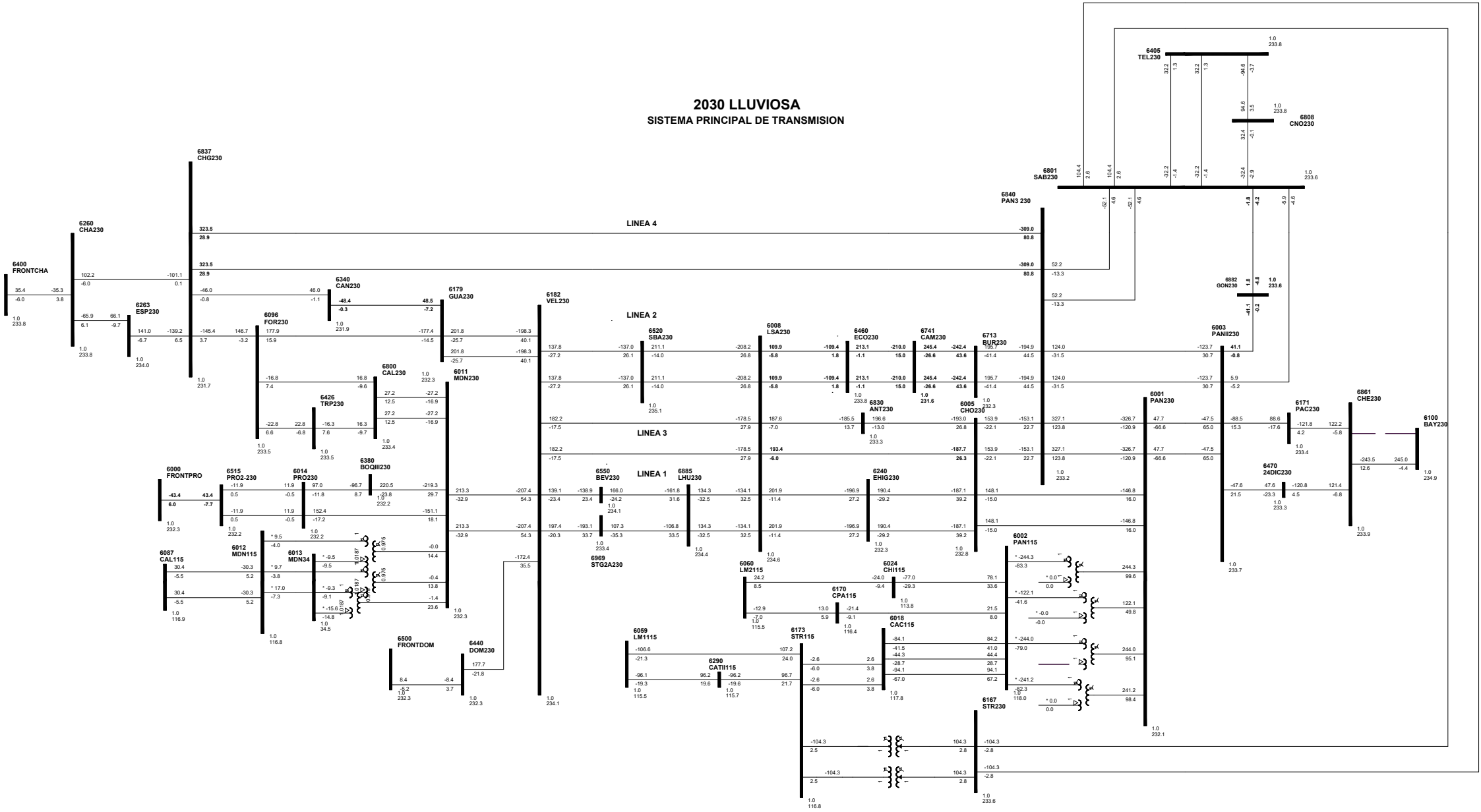
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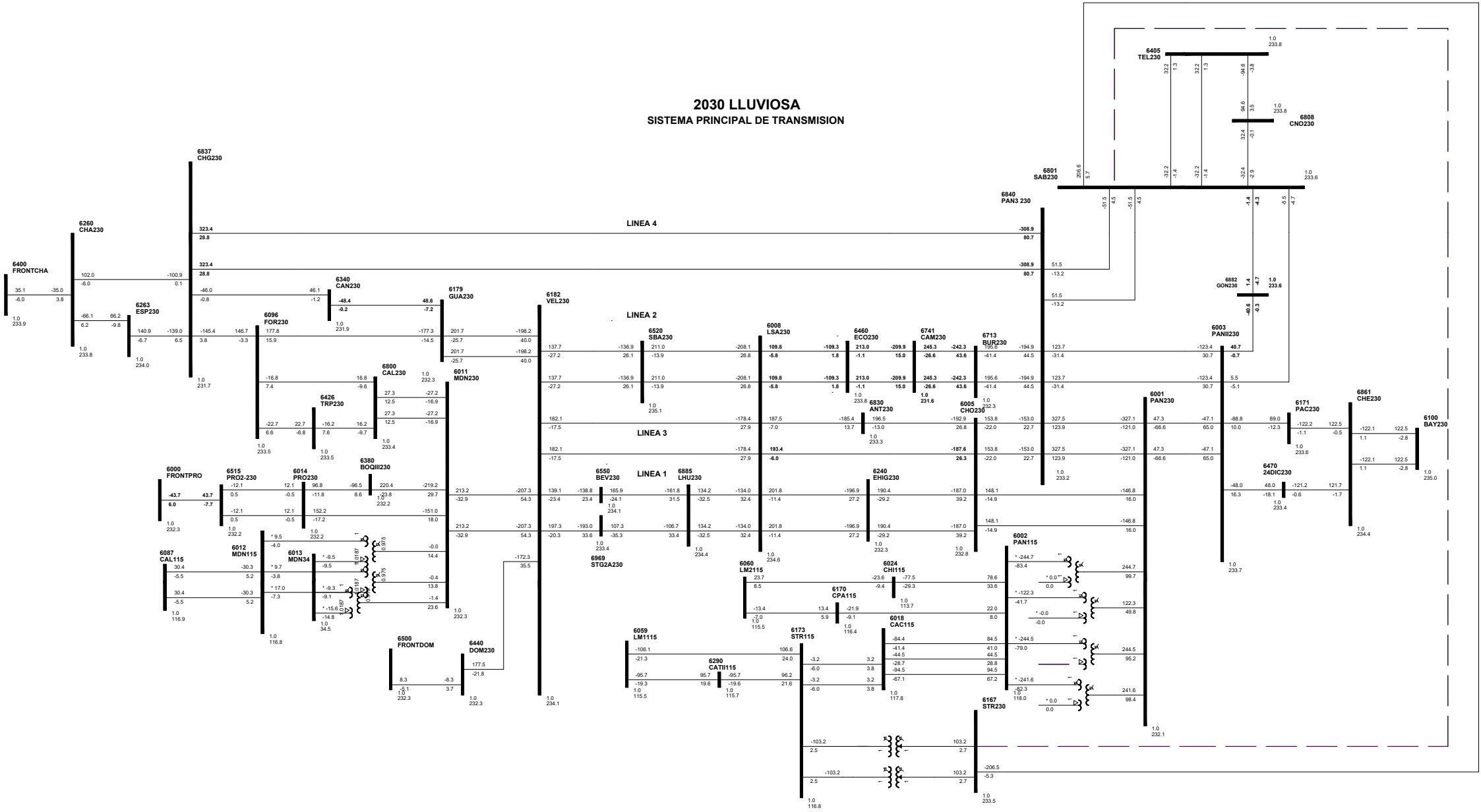
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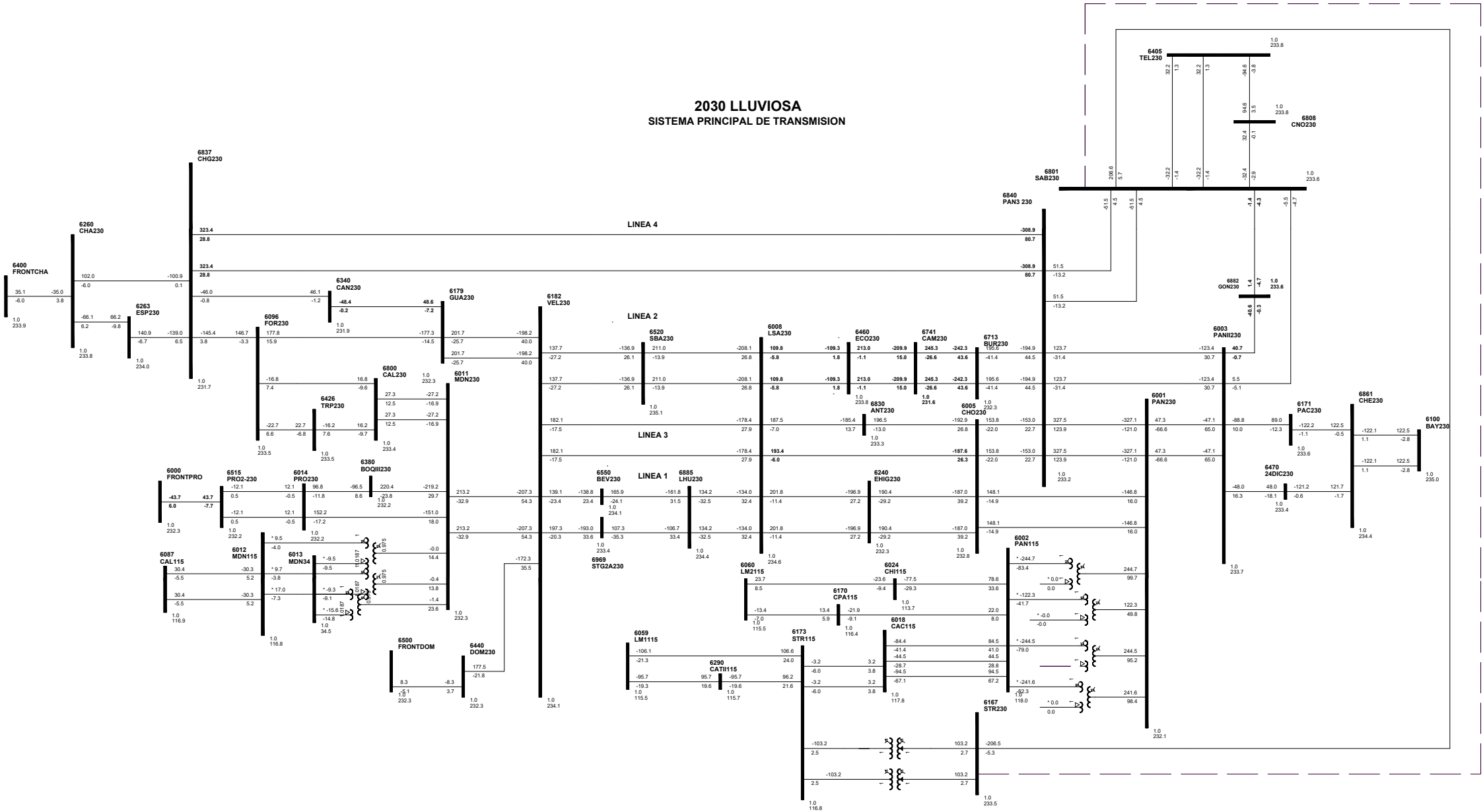
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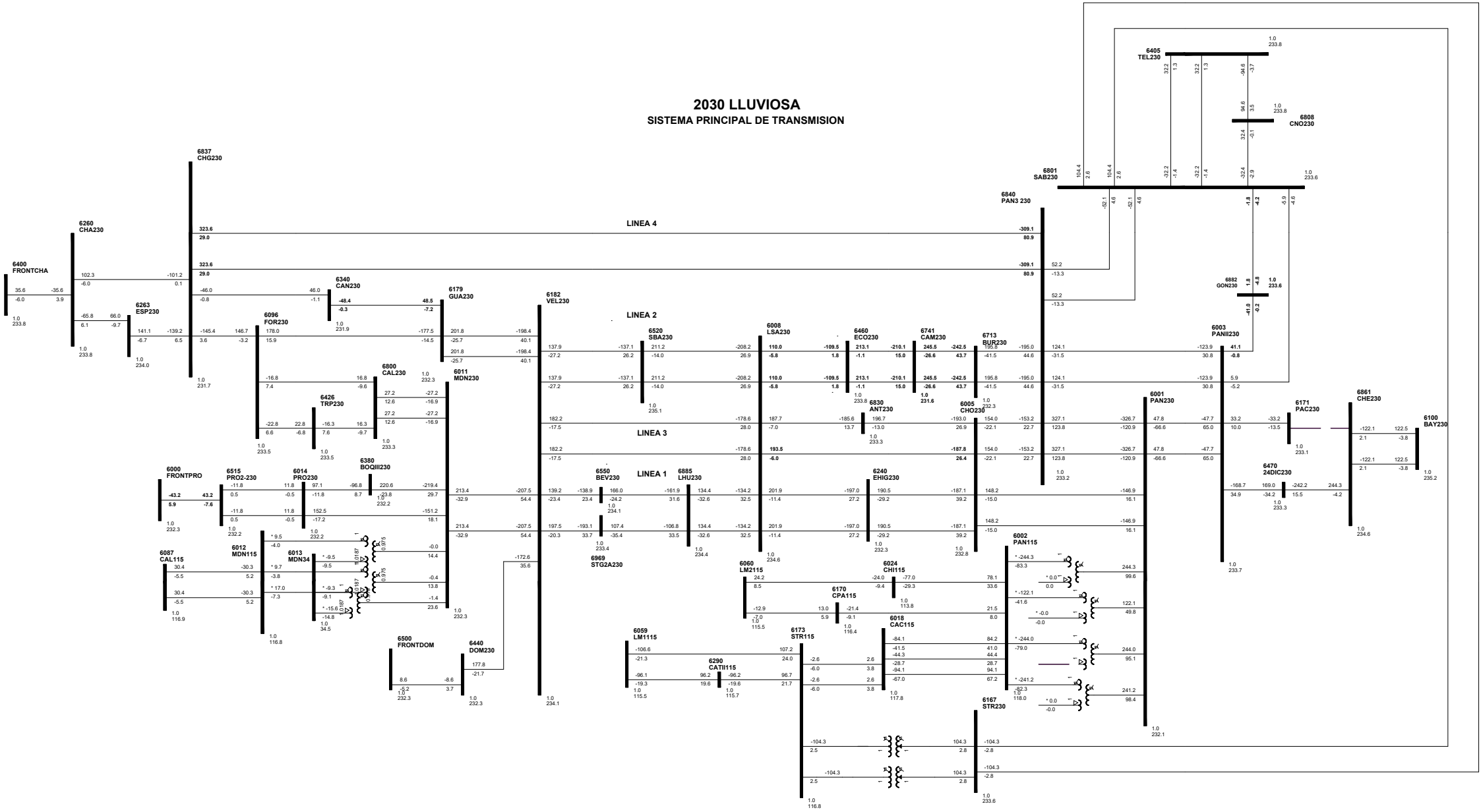
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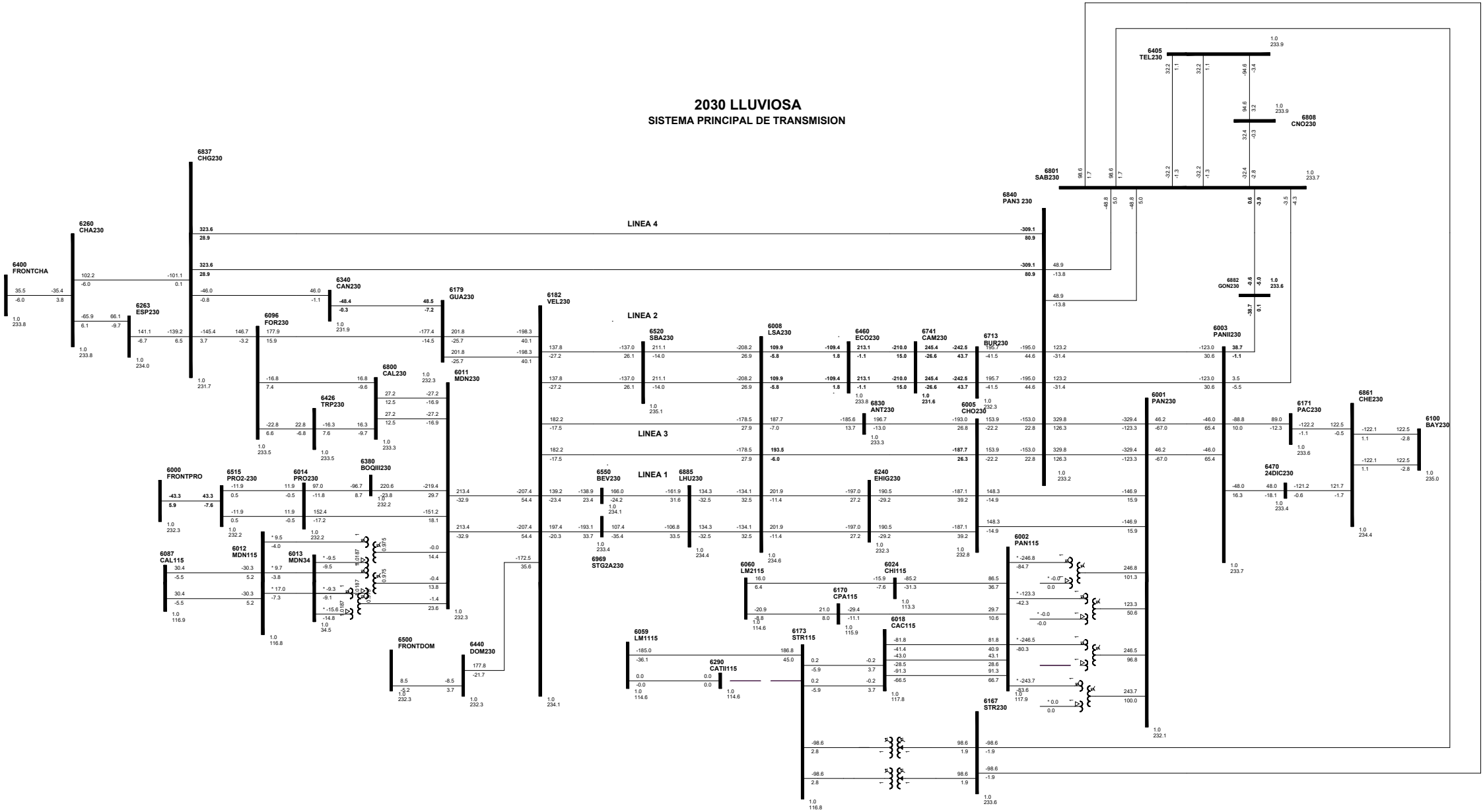
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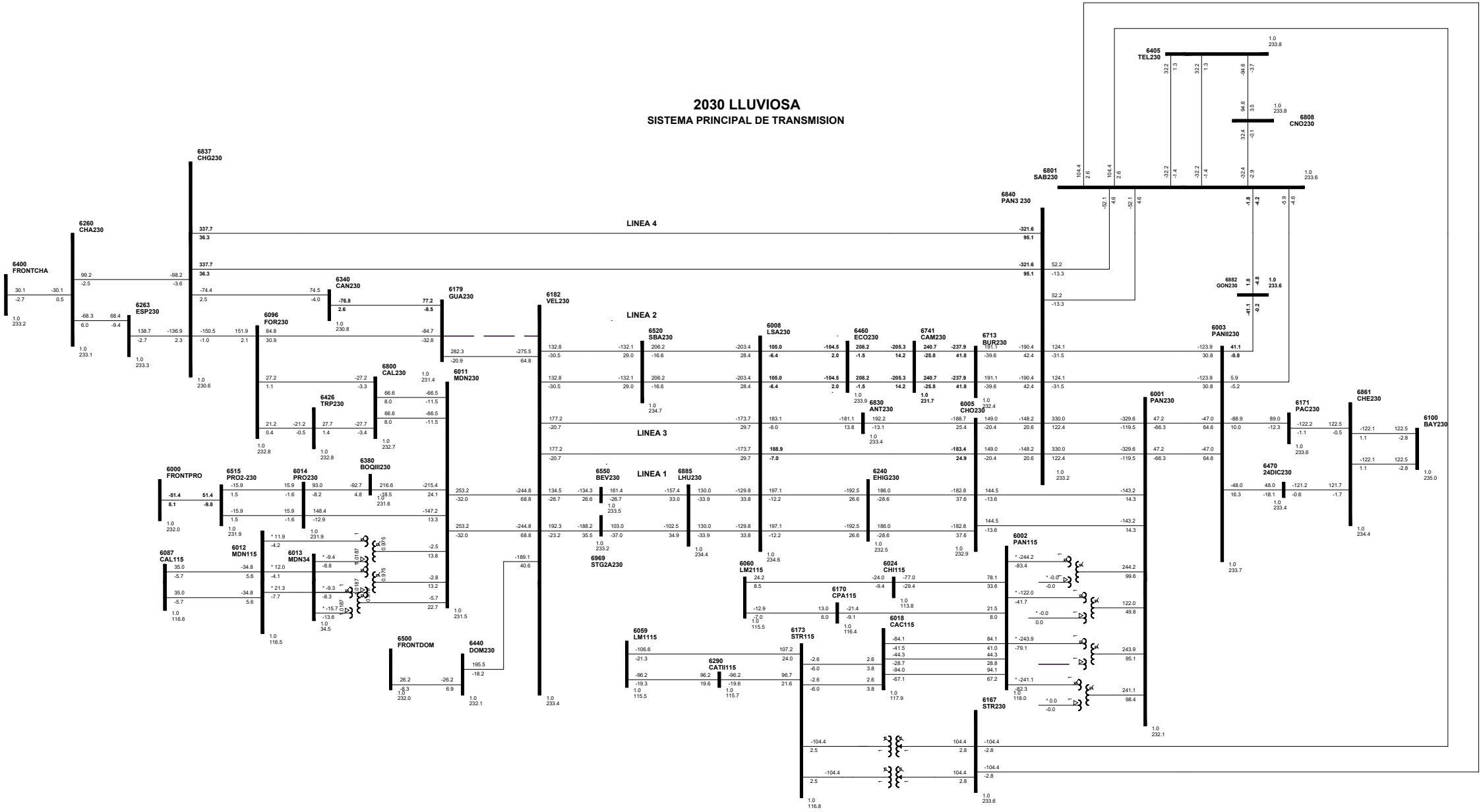
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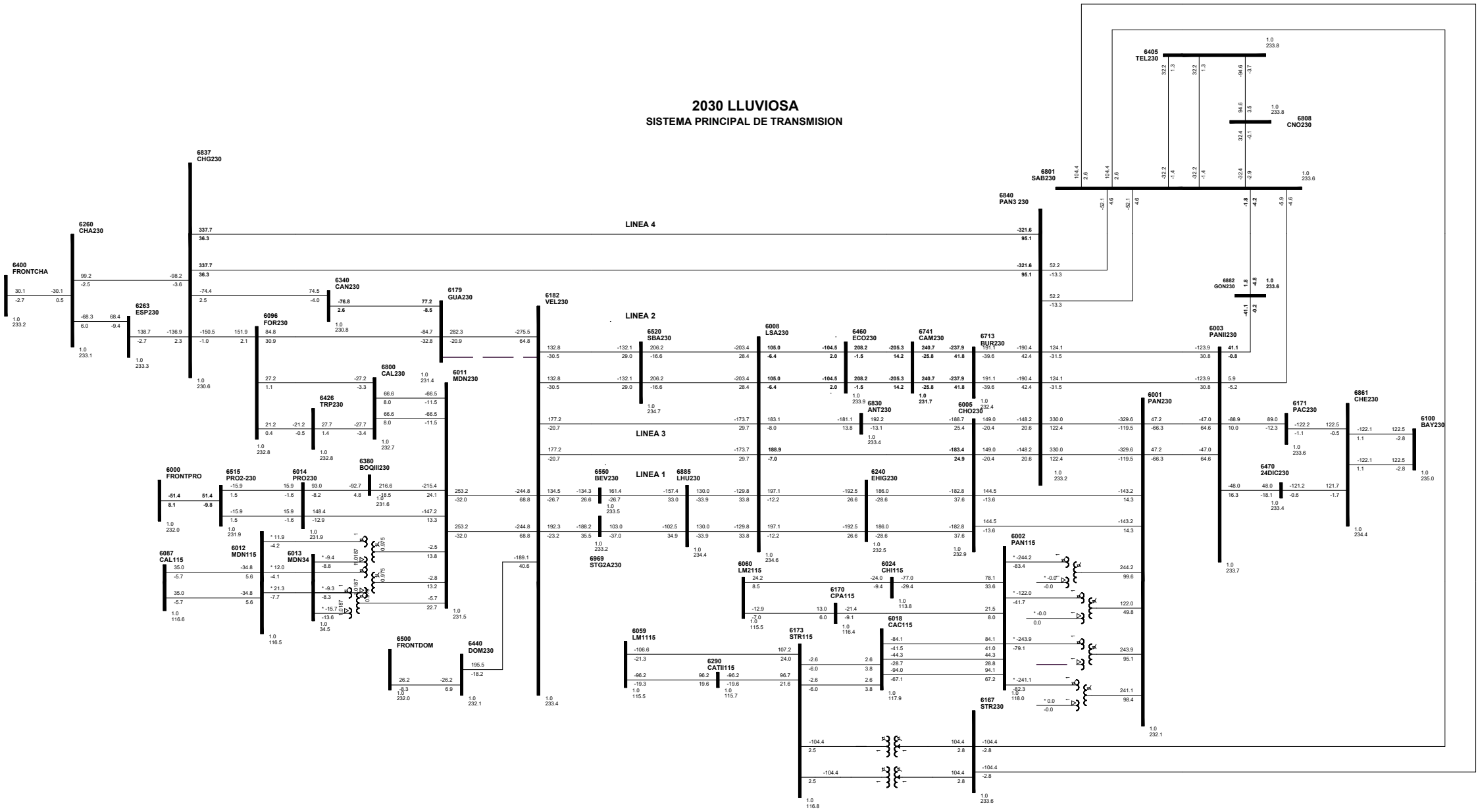


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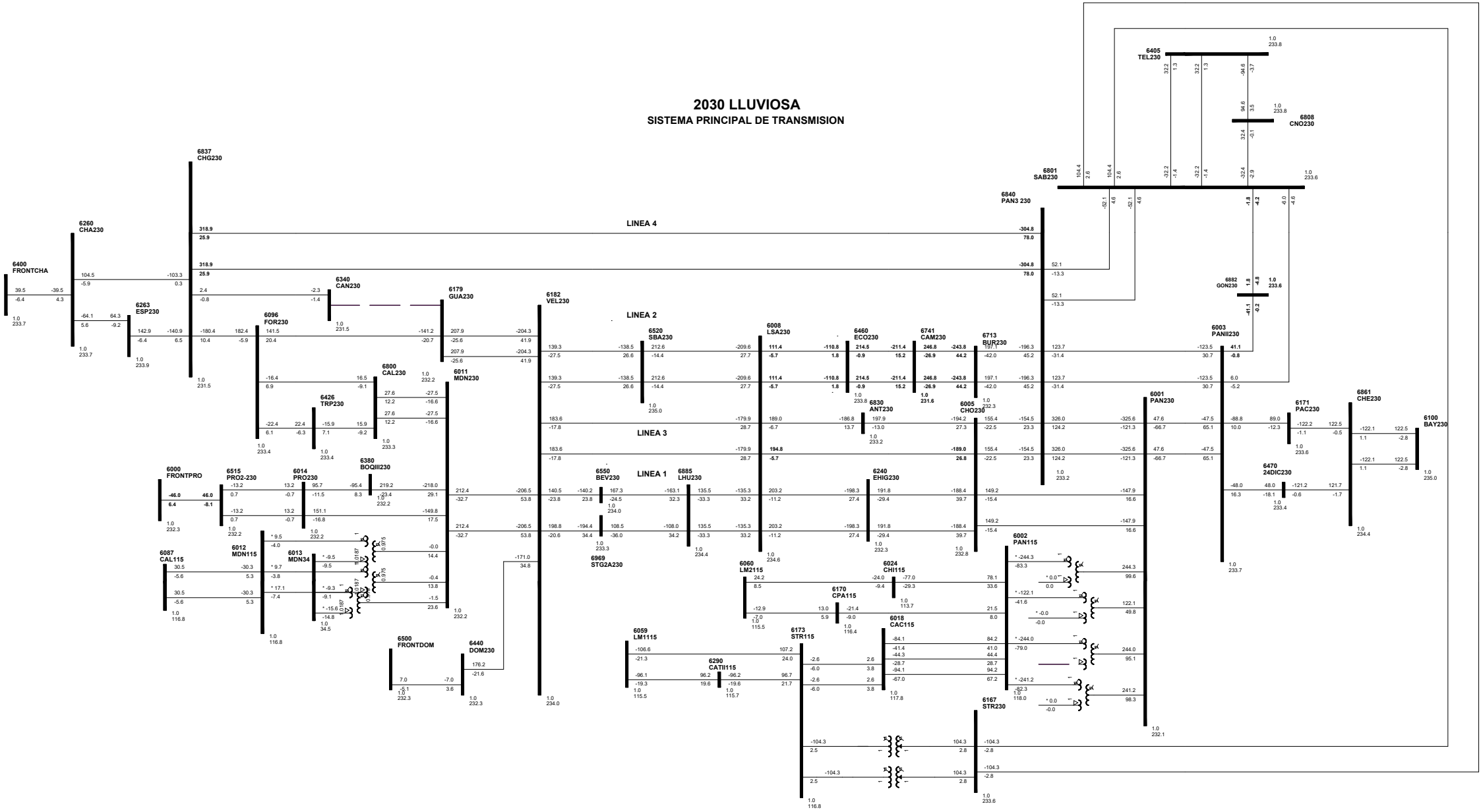


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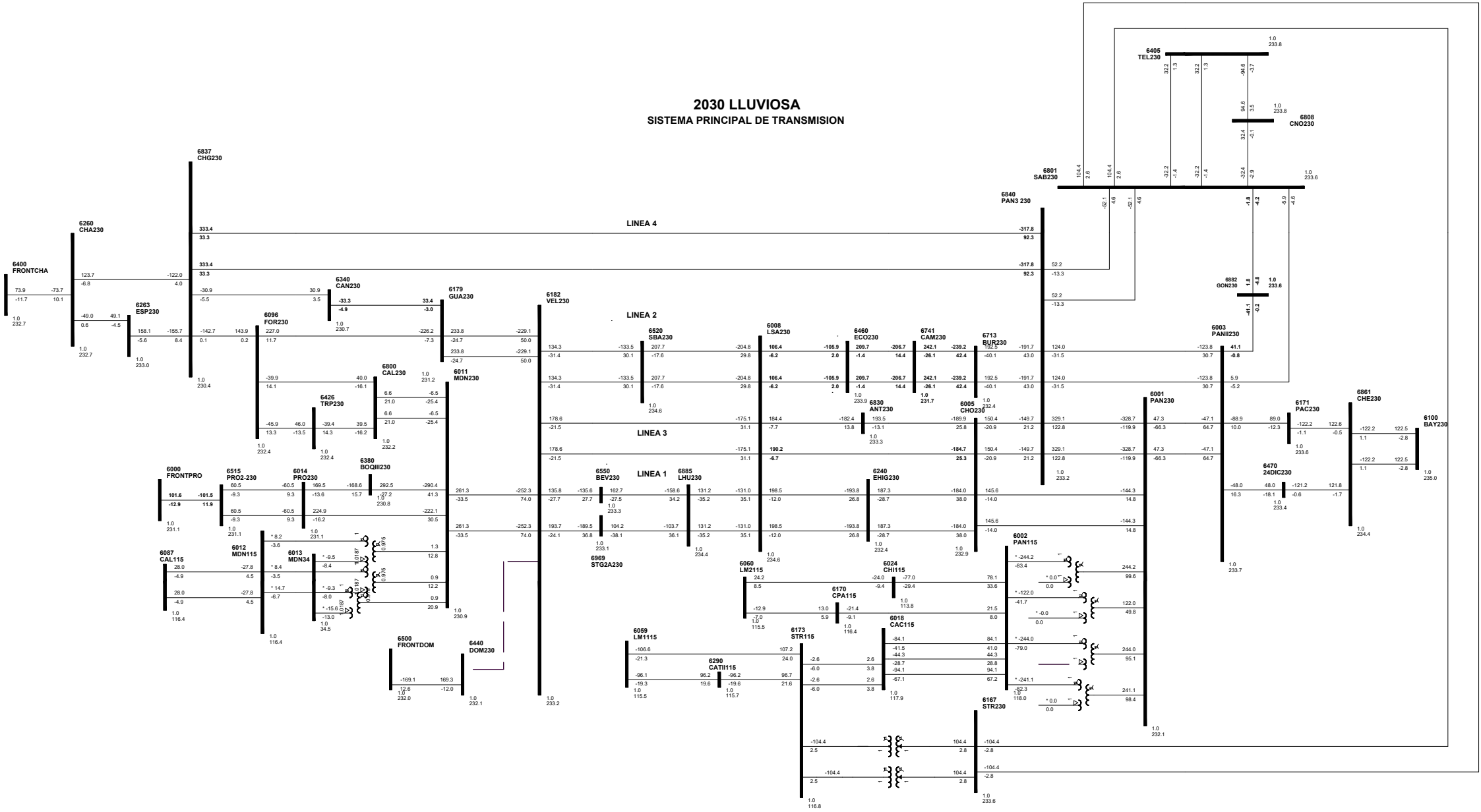



2030 LLUVIOSA
SISTEMA PRINCIPAL DE TRANSMISION
LINEA 1
LINEA 2
LINEA 3
LINEA 4
6400 FRONTCHA
6260 CHA230
6837 CHG230
6263 ESP230
6340 CAN230
6179 GUA230
6096 FOR230
6182 VEL230
6800 CAL230
6011 MDN230
6426 TRP230
6380 BOQIII230
6000 FRONTPRO
6515 PRO2-230
6014 PRO230
6087 CAL115
6012 MDN115
6013 MDN34
6500 FRONTDOM
6440 DOM230
6520 SBA230
6008 LSA230
6460 ECO230
6741 CAM230
6713 BUR230
6830 ANT230
6005 CHO230
6550 BEV230
6885 LHU230
6240 EHIG230
6969 STG2A230
6060 LM2115
6024 CHI115
6170 CPA115
6018 CAC115
6059 LM1115
6290 CATII115
6173 STR115
6167 STR230
6840 PAN3 230
6801 SAB230
6405 TEL230
6808 CNO230
6882 GON230
6003 PANII230
6001 PAN230
6002 PAN115
6171 PAC230
6861 CHE230
6100 BAY230
6470 24DIC230

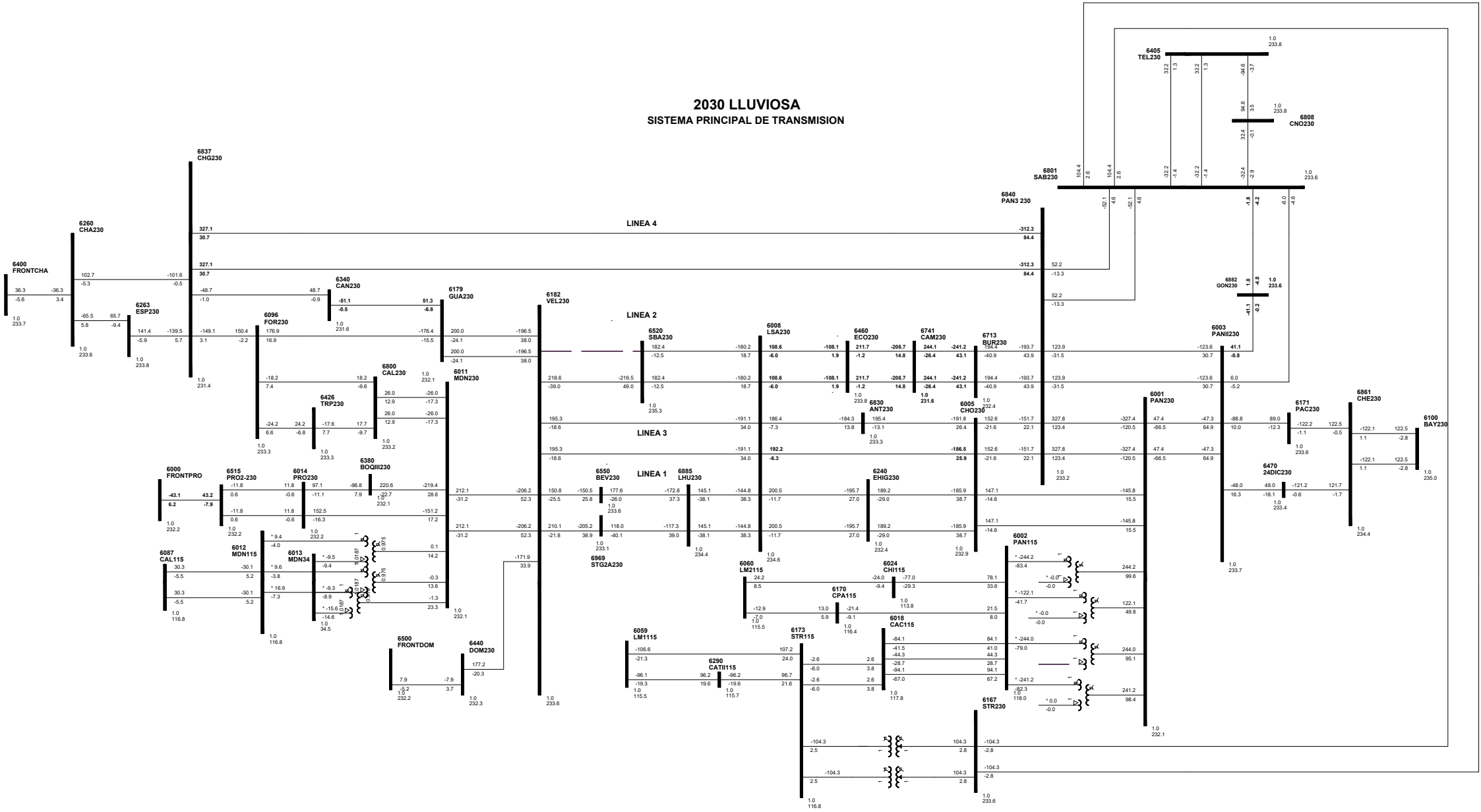
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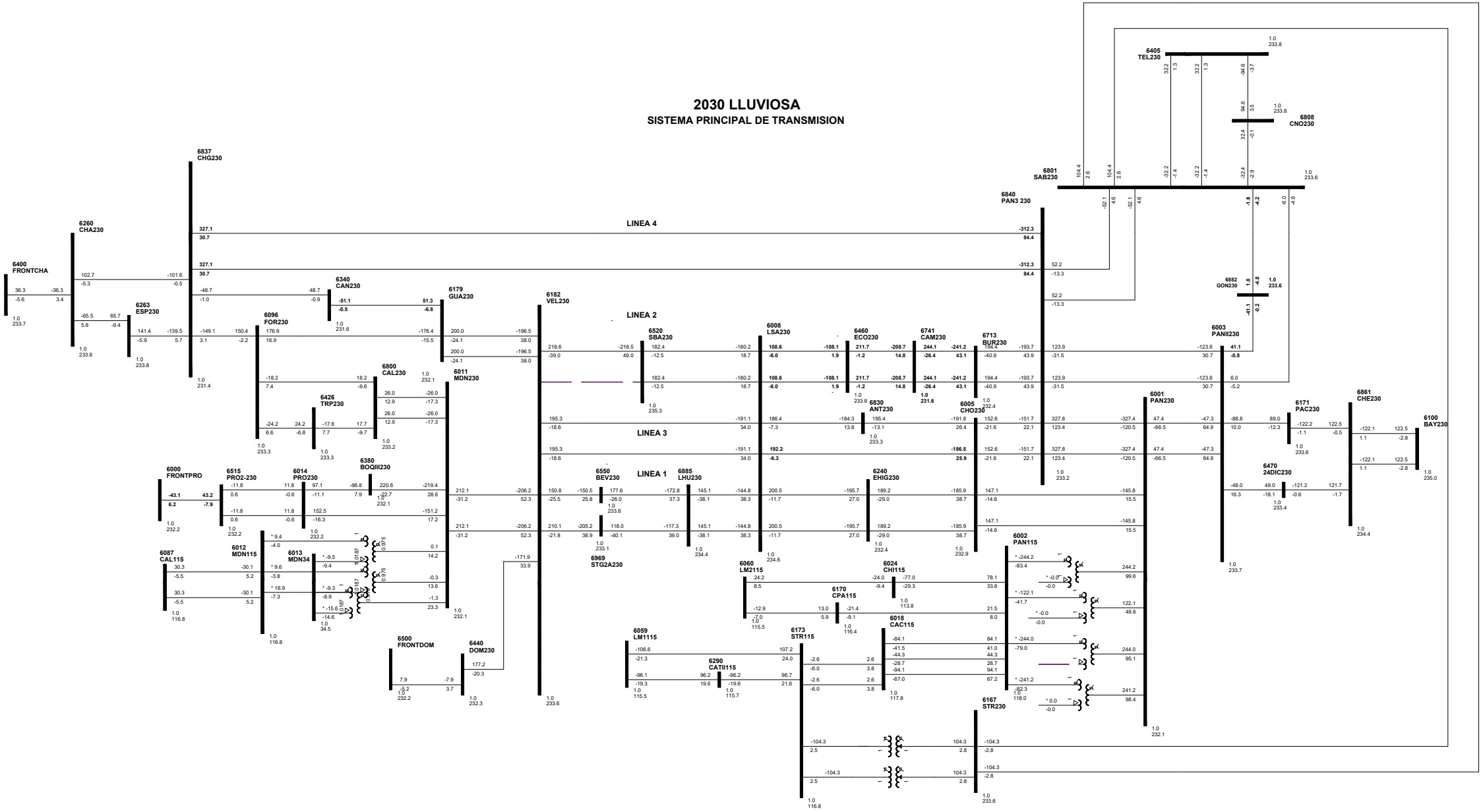
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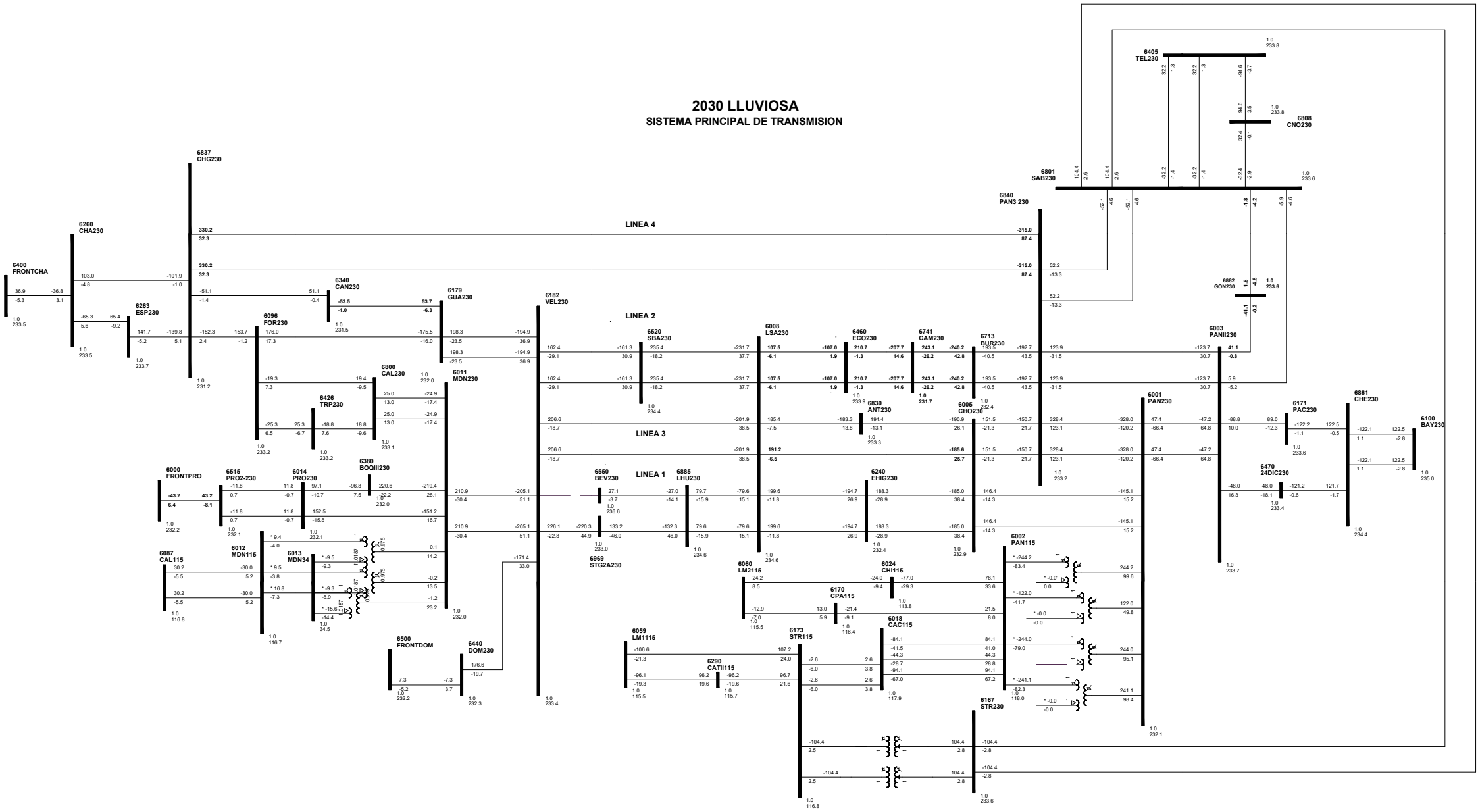
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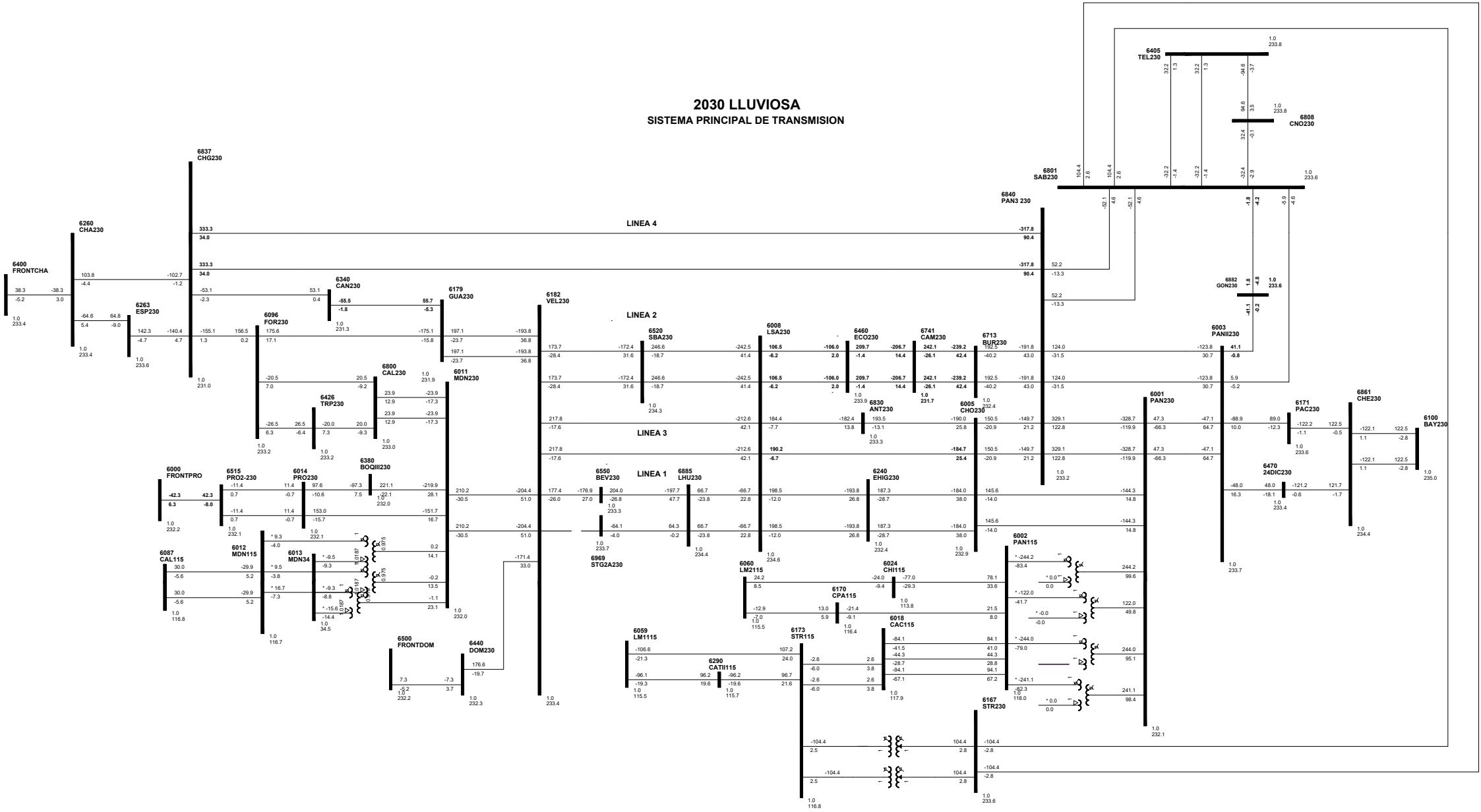
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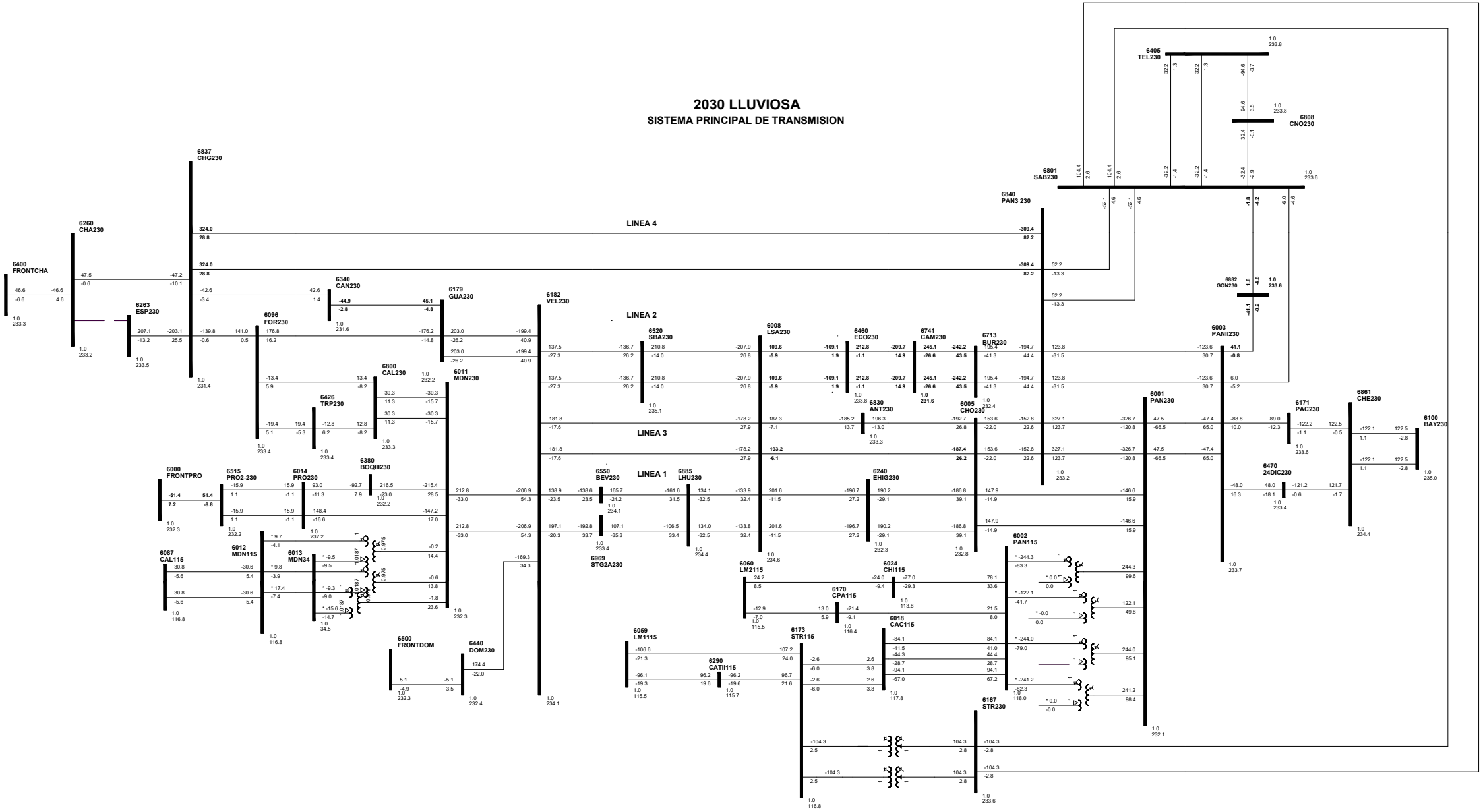
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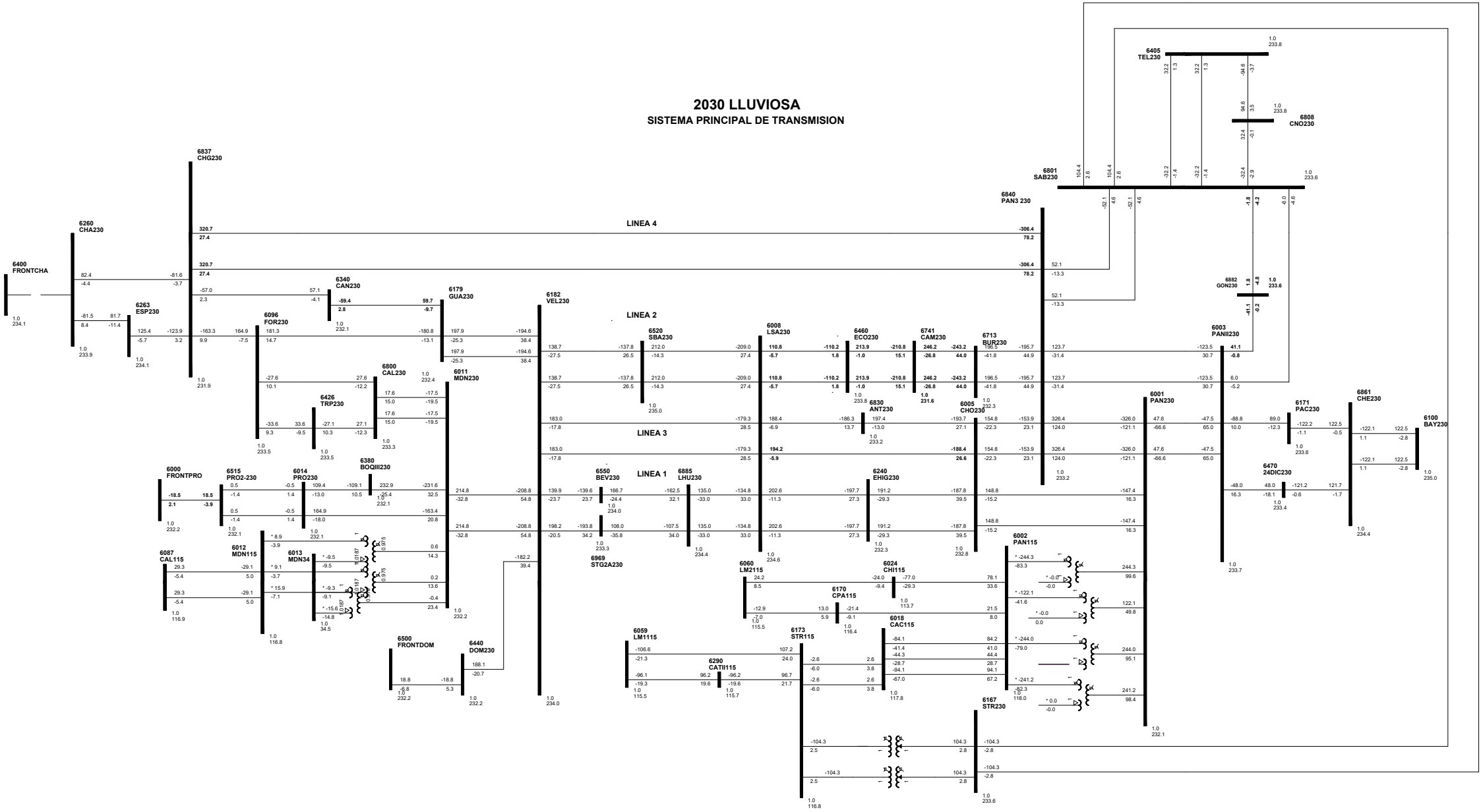
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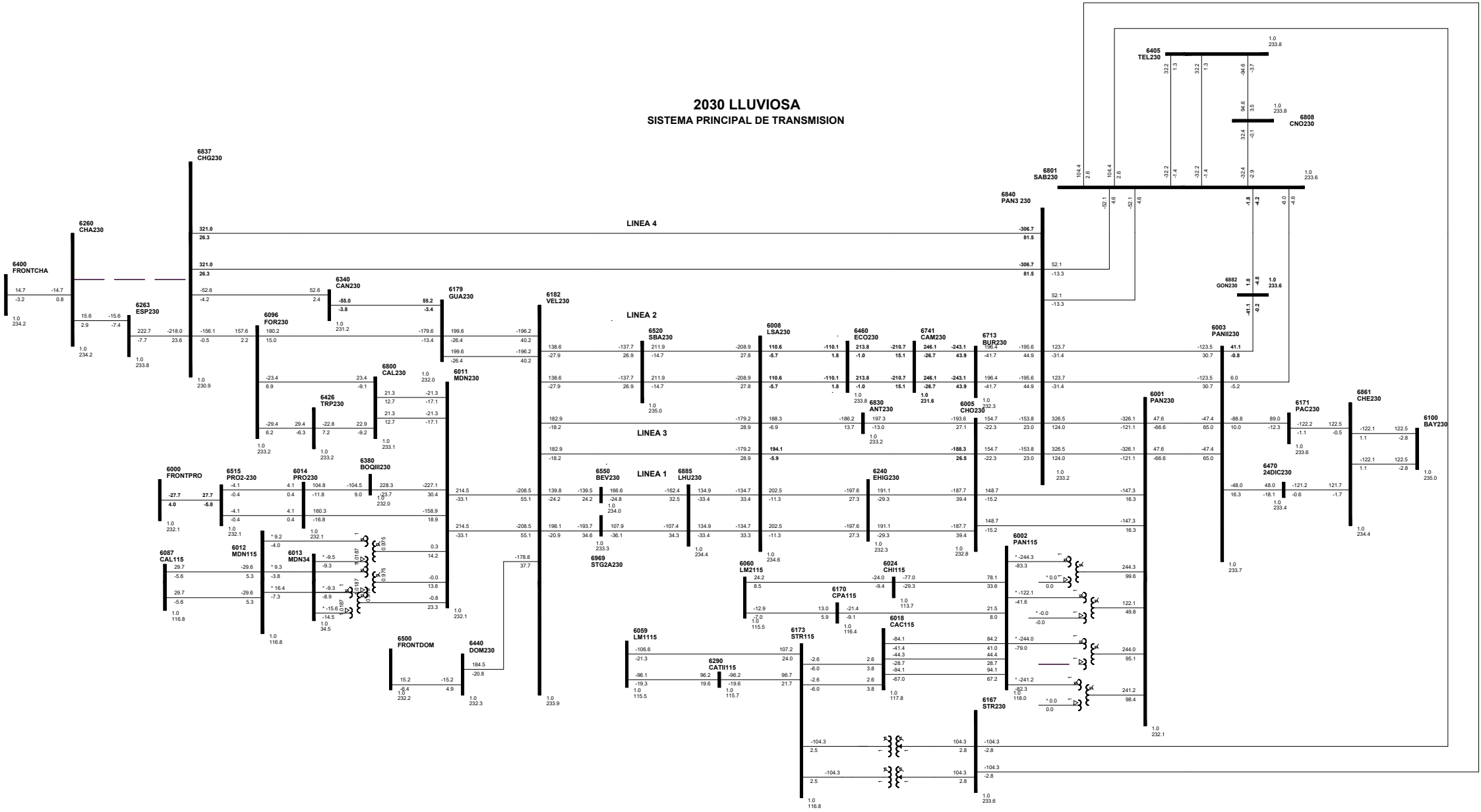
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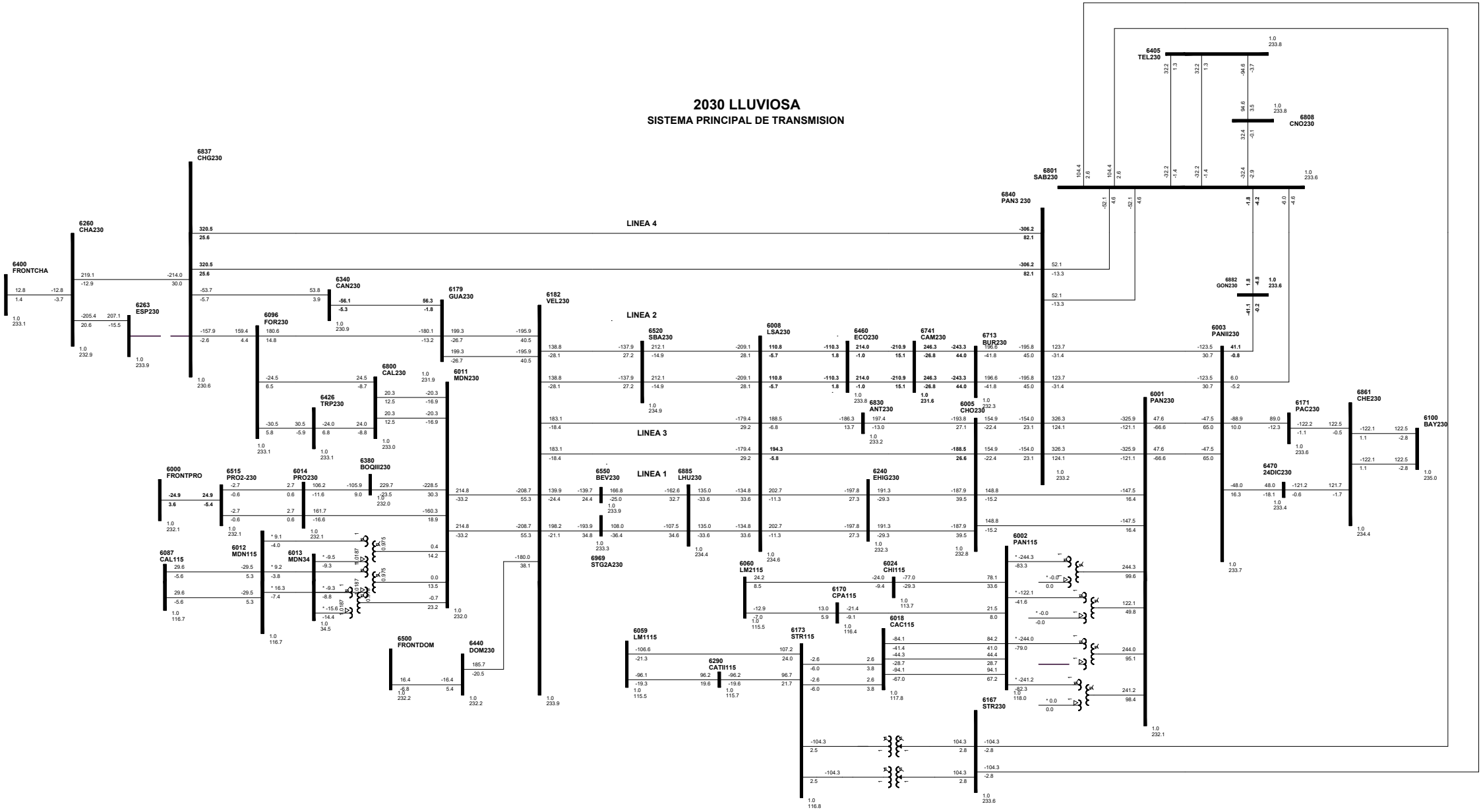
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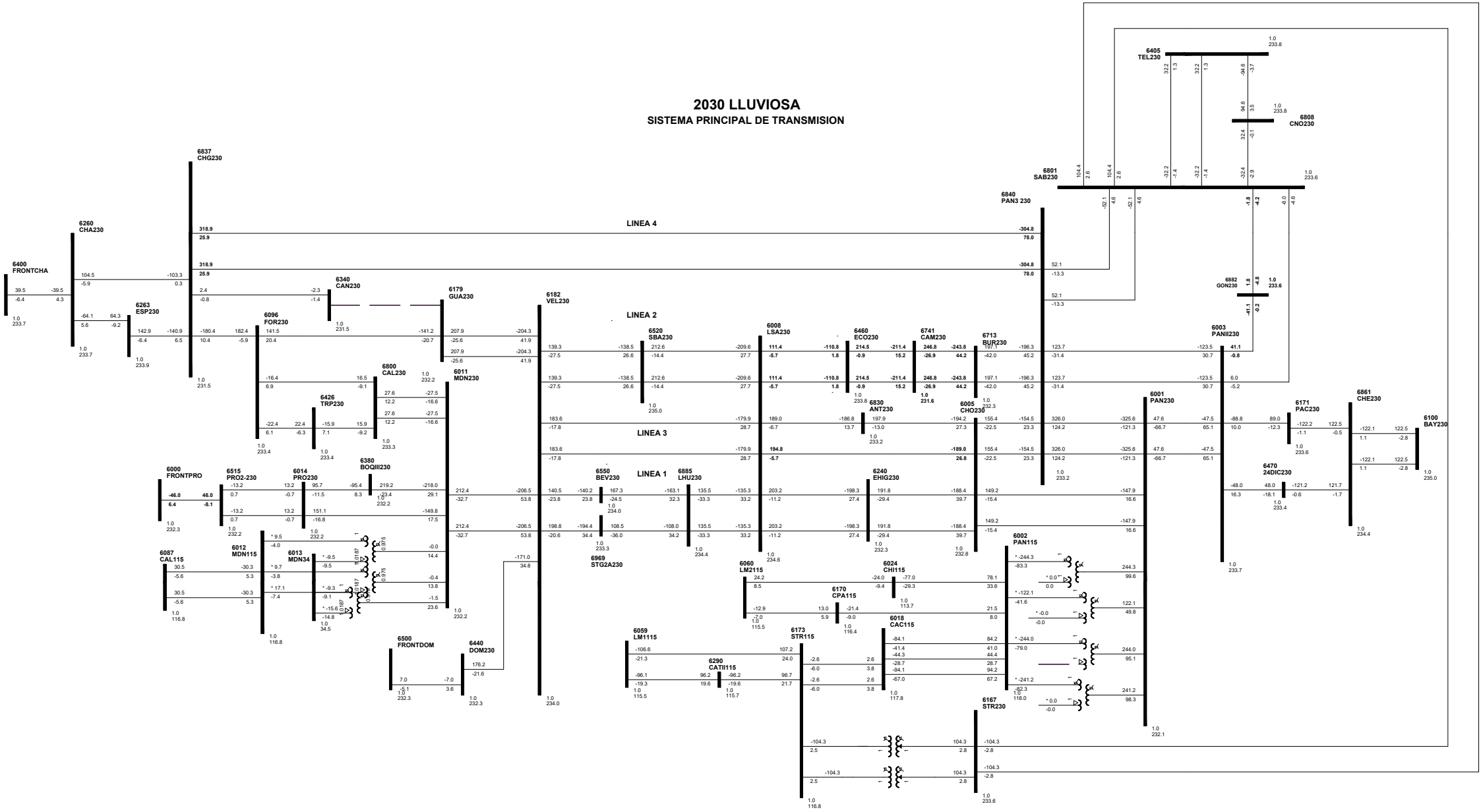
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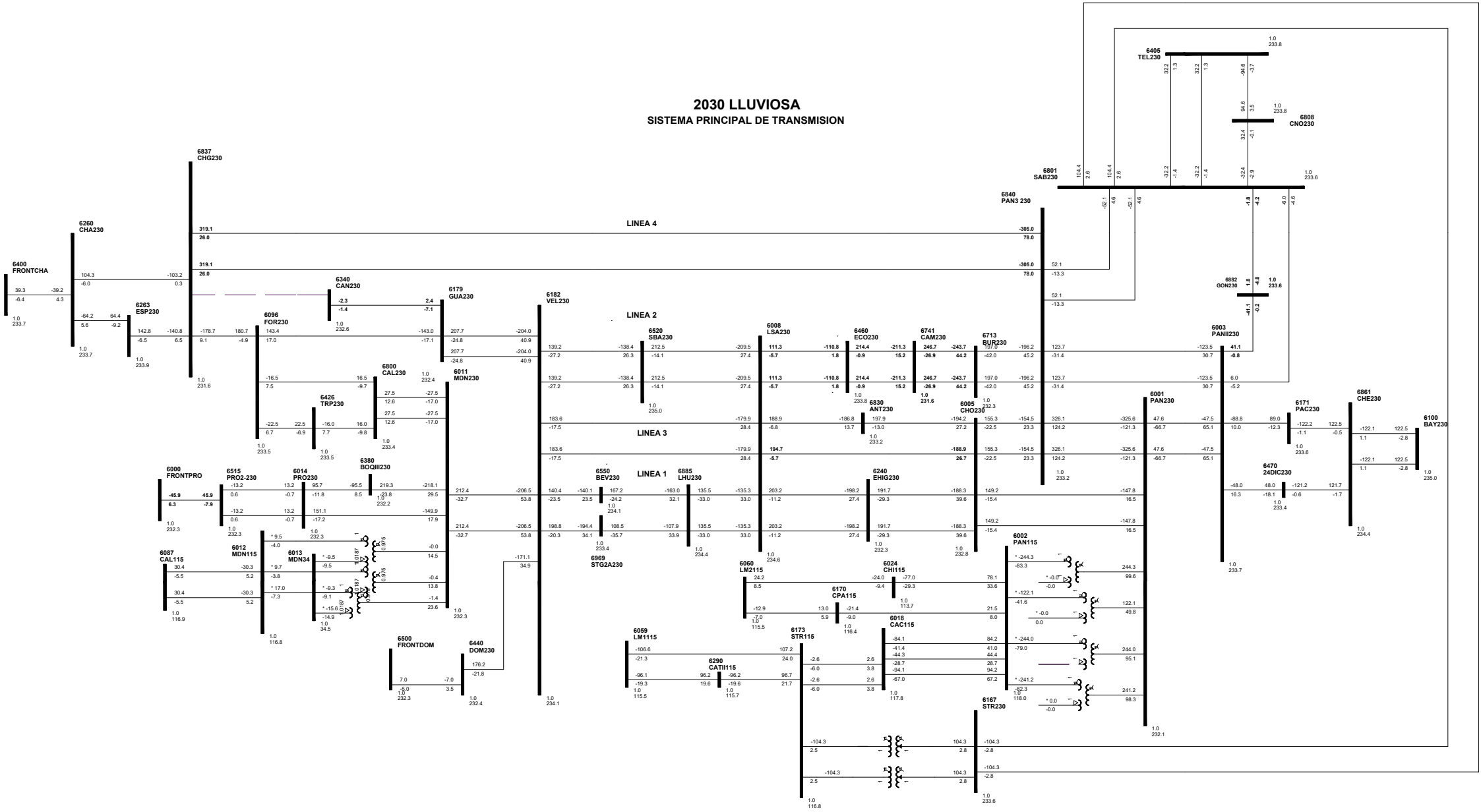
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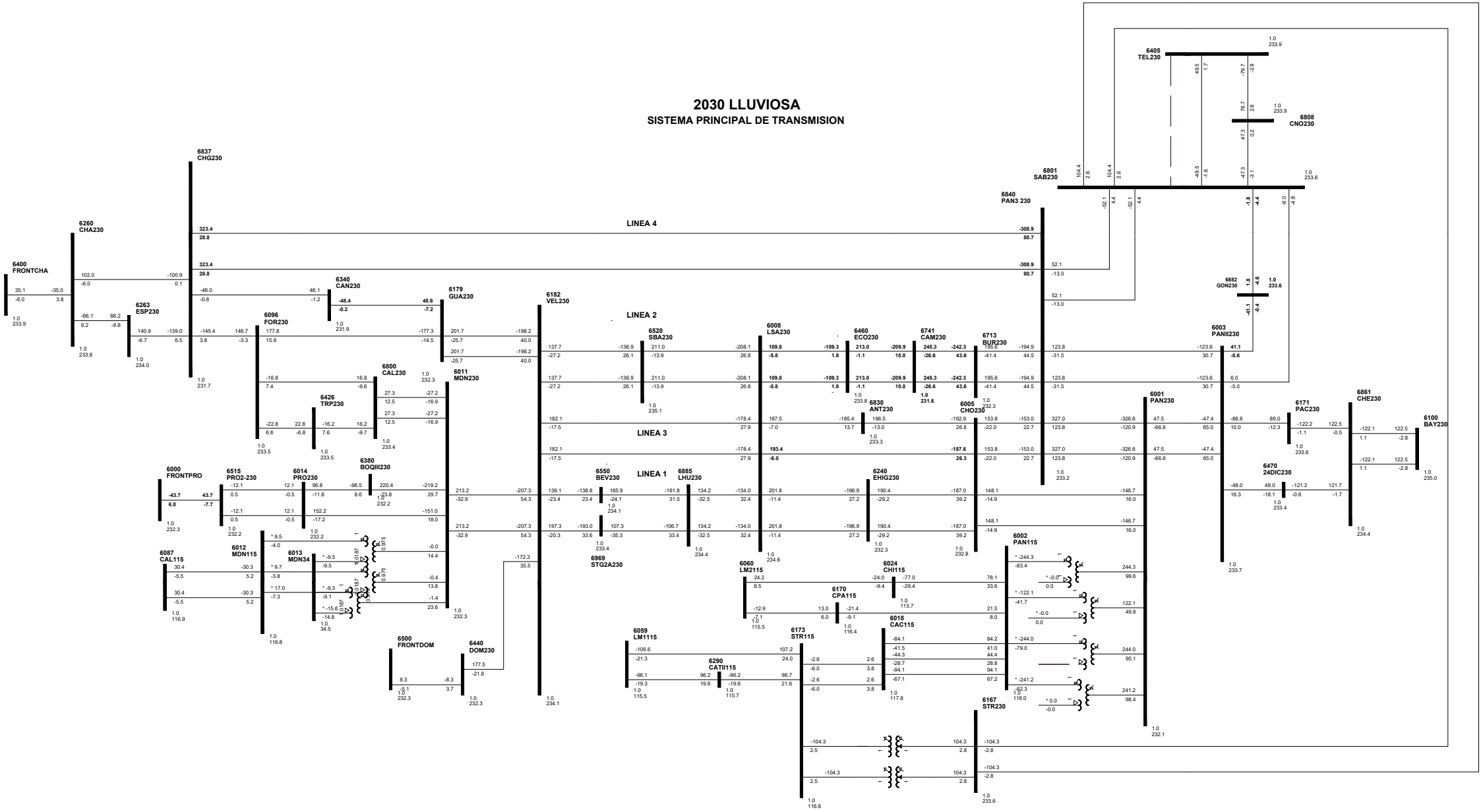
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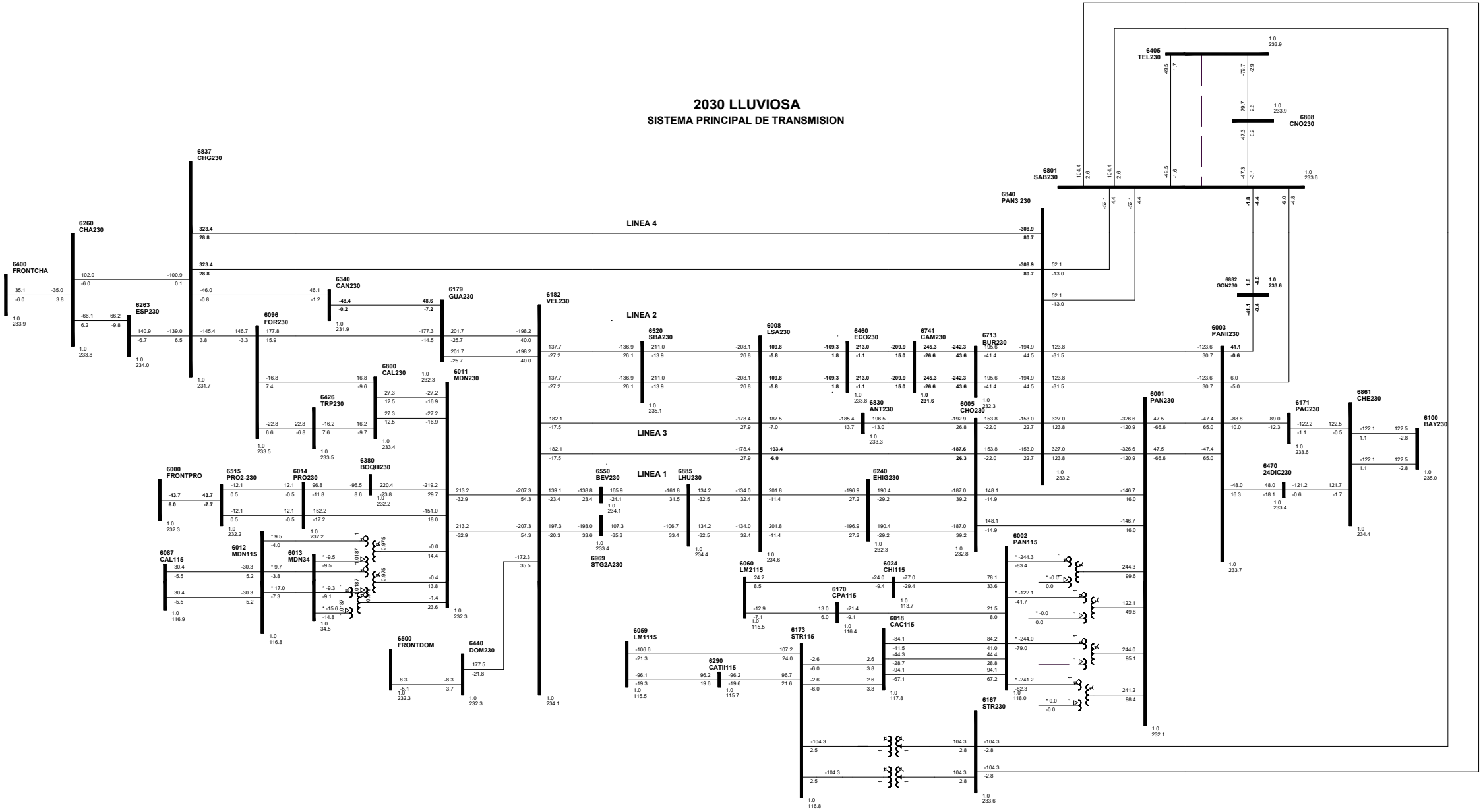
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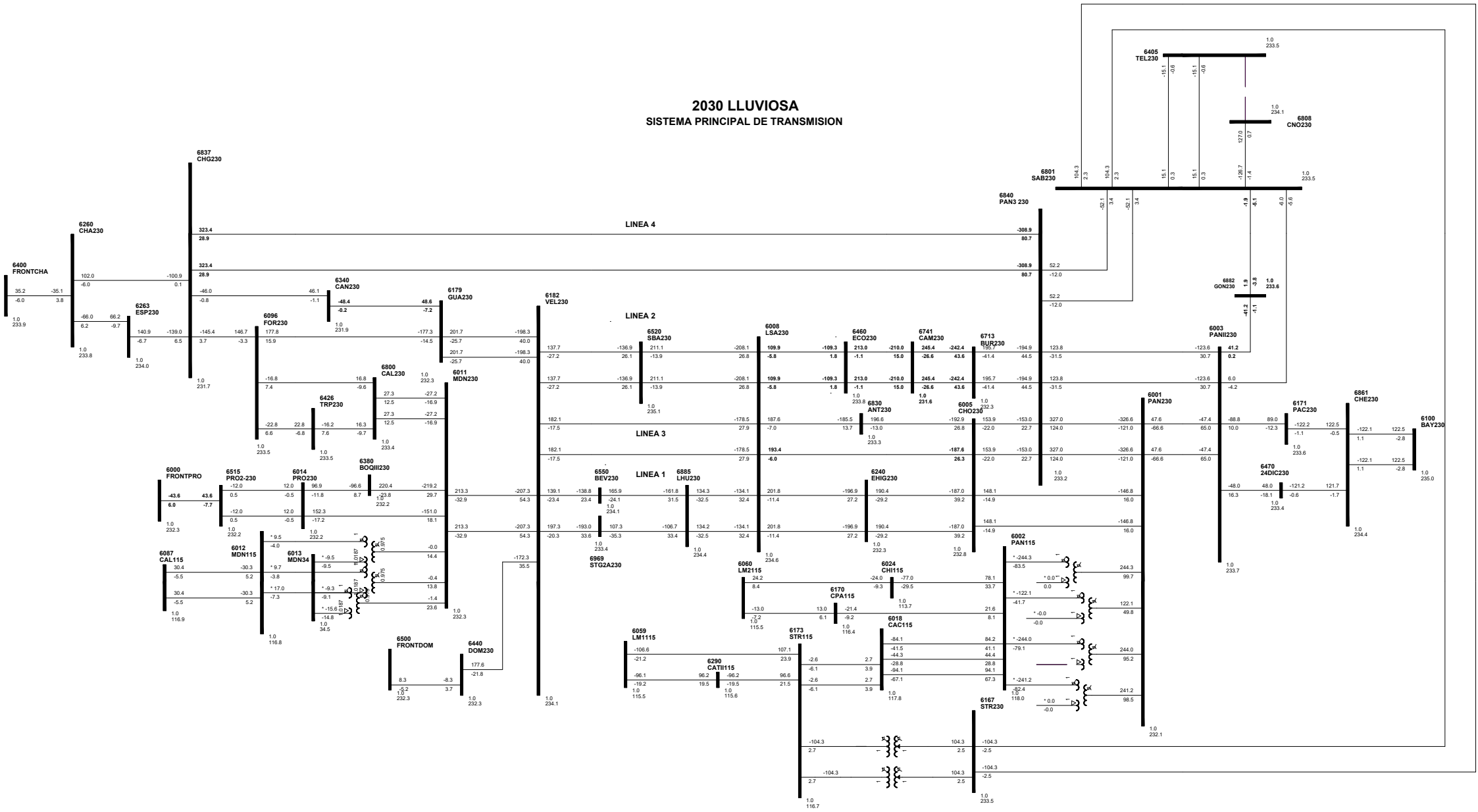
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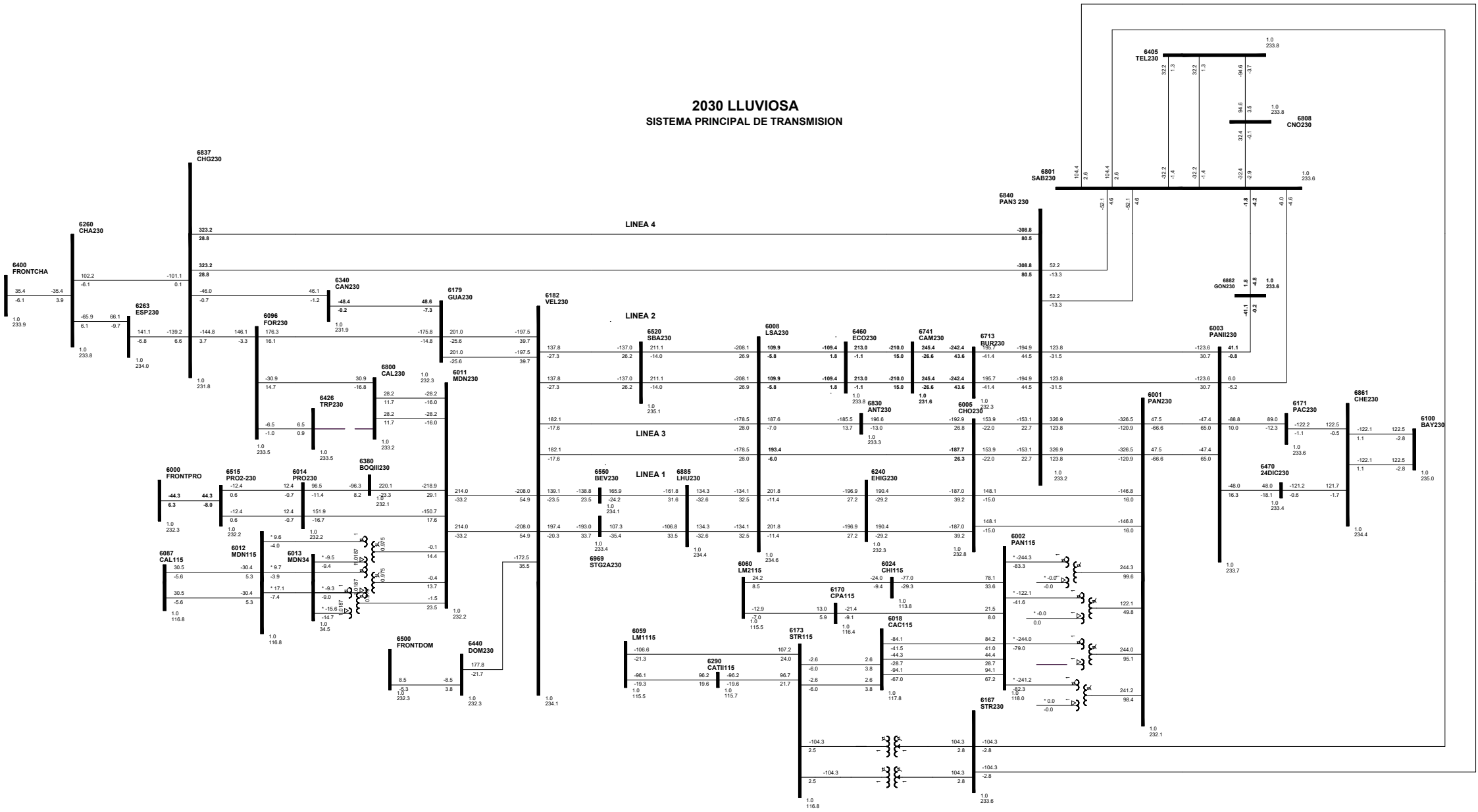
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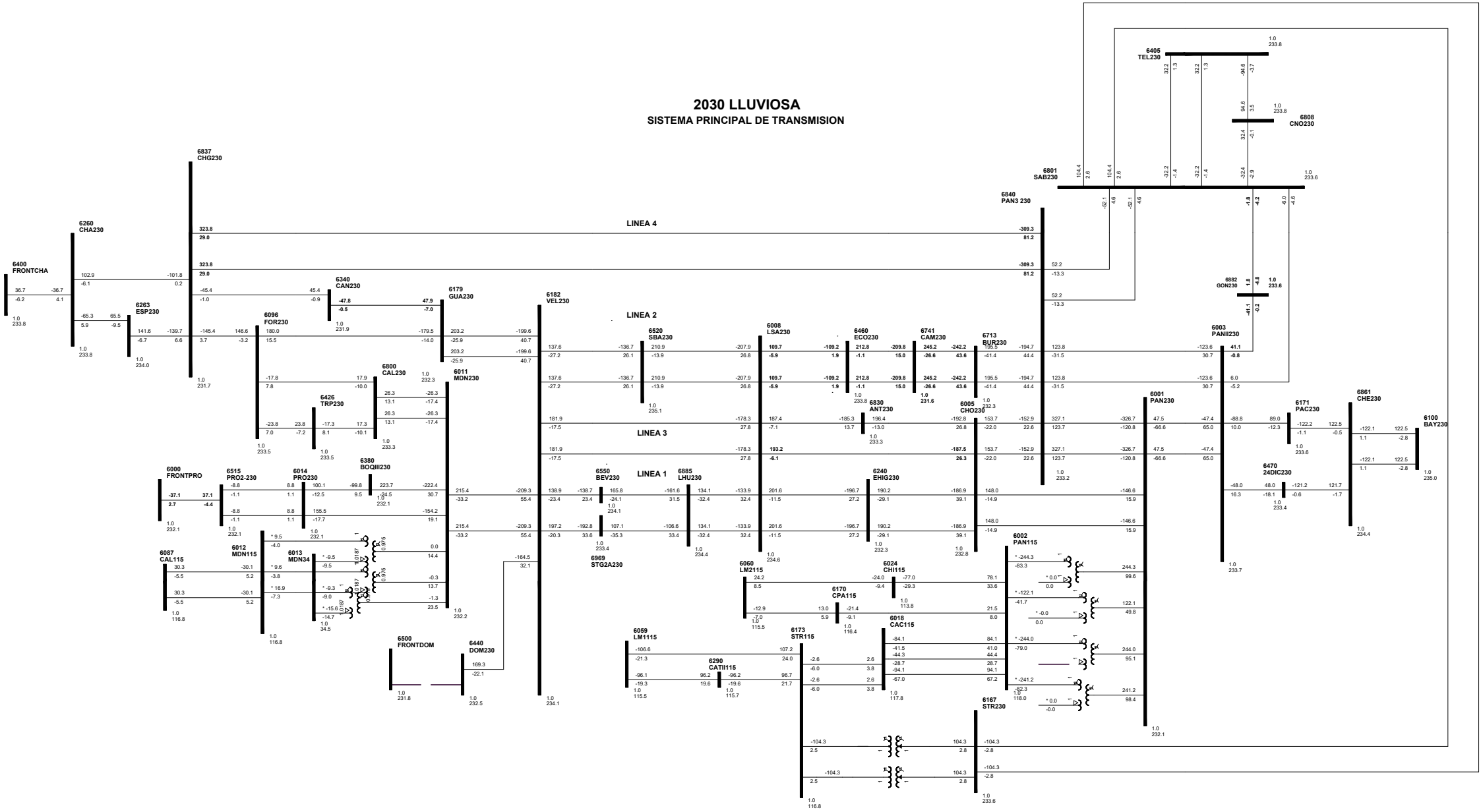
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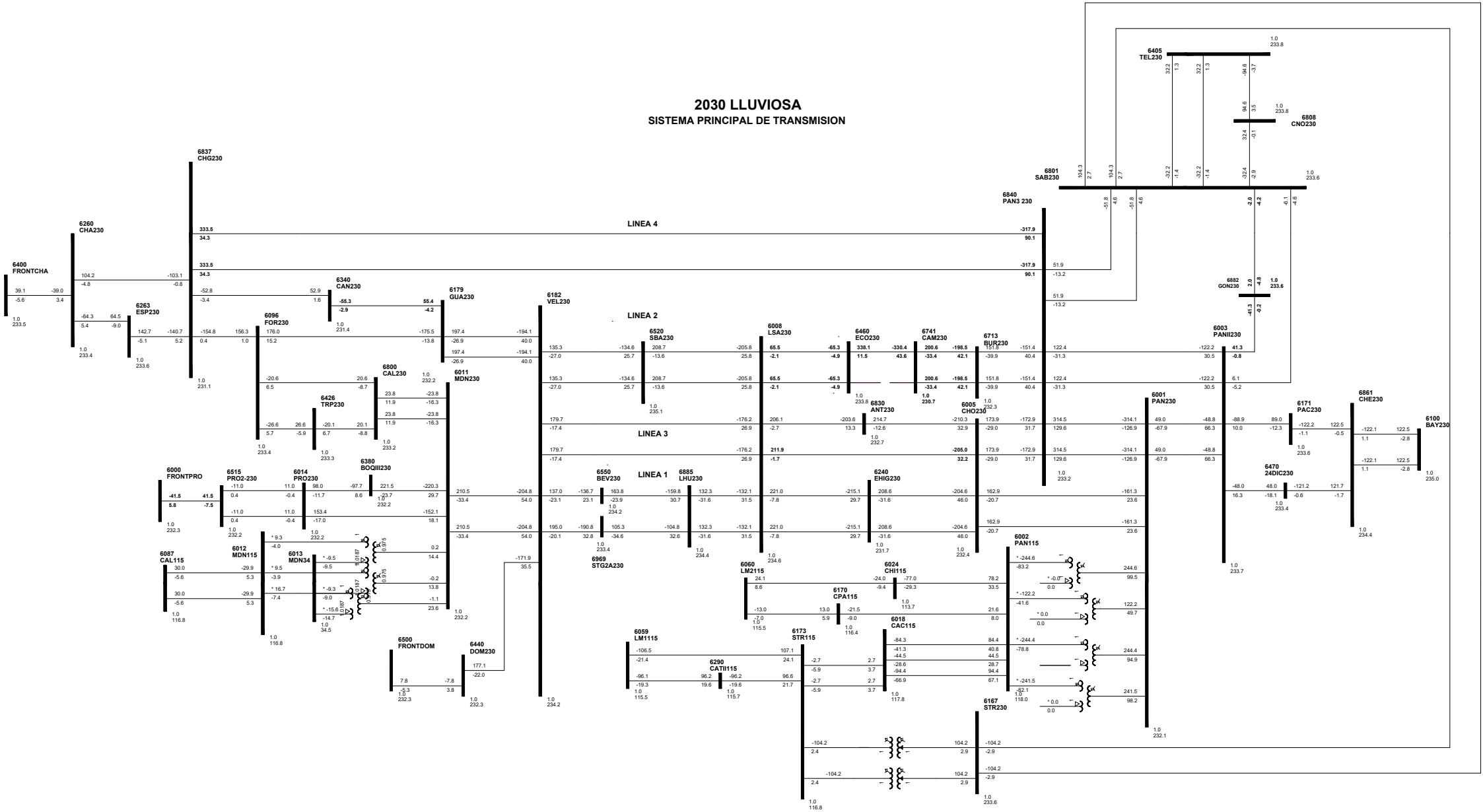
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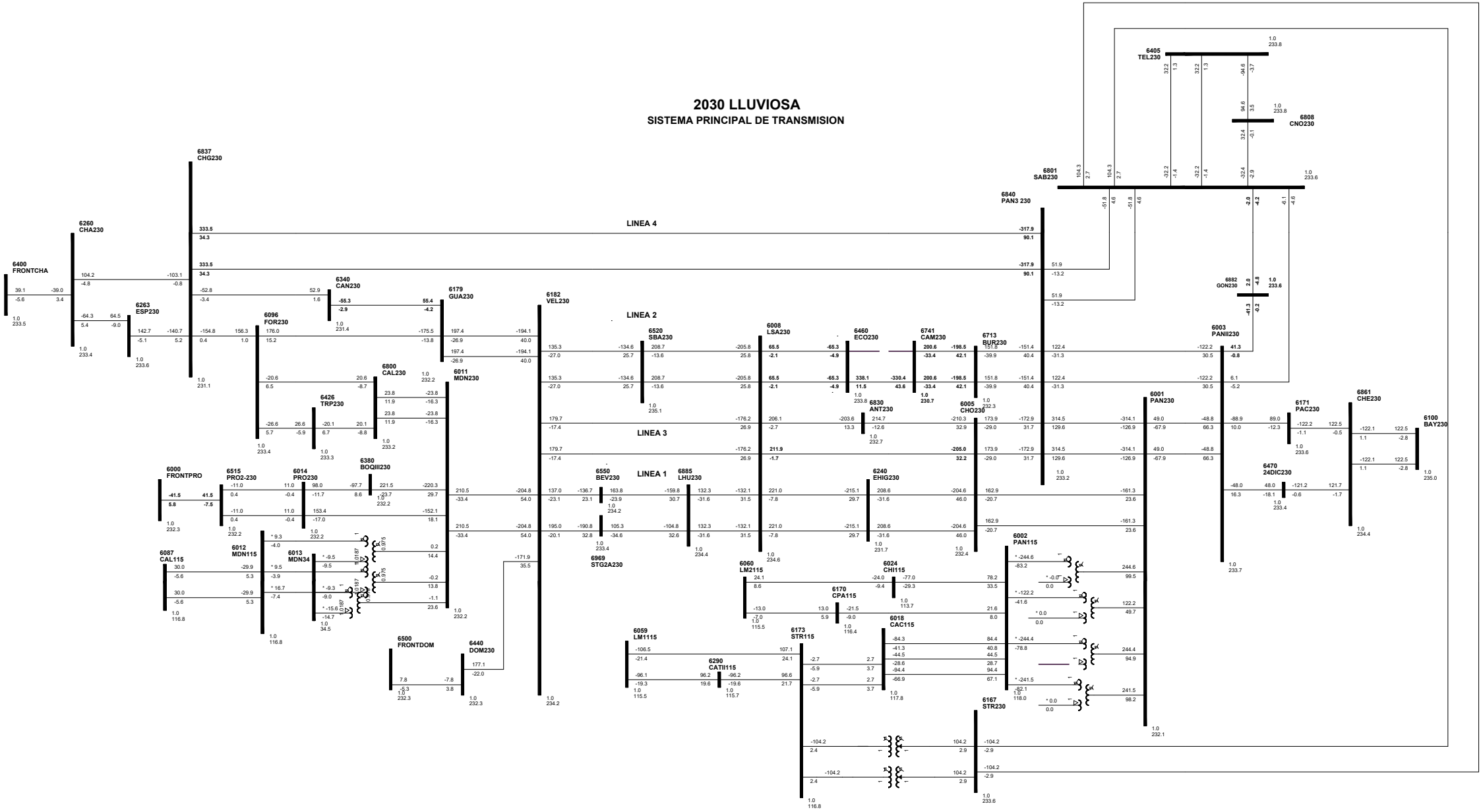
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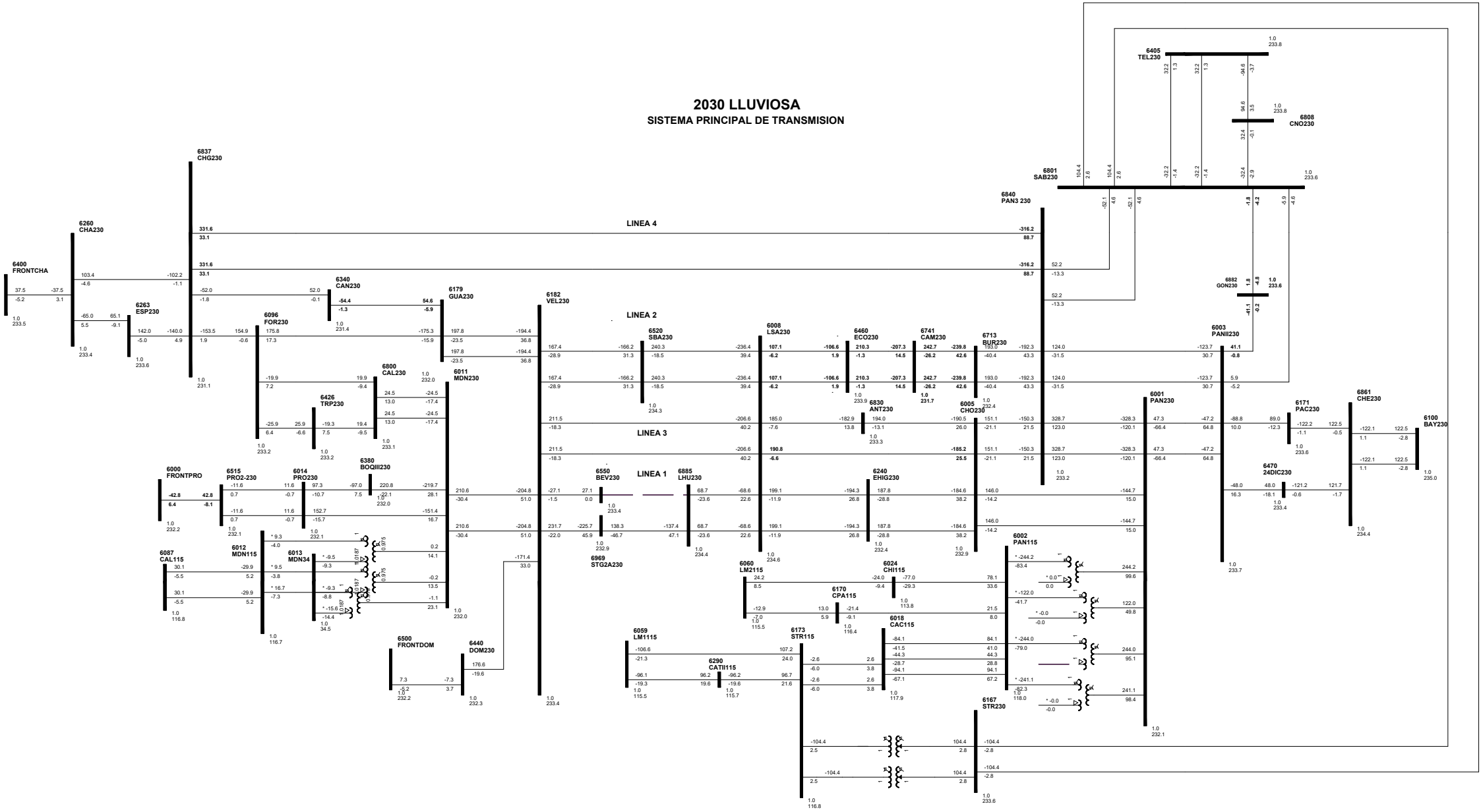
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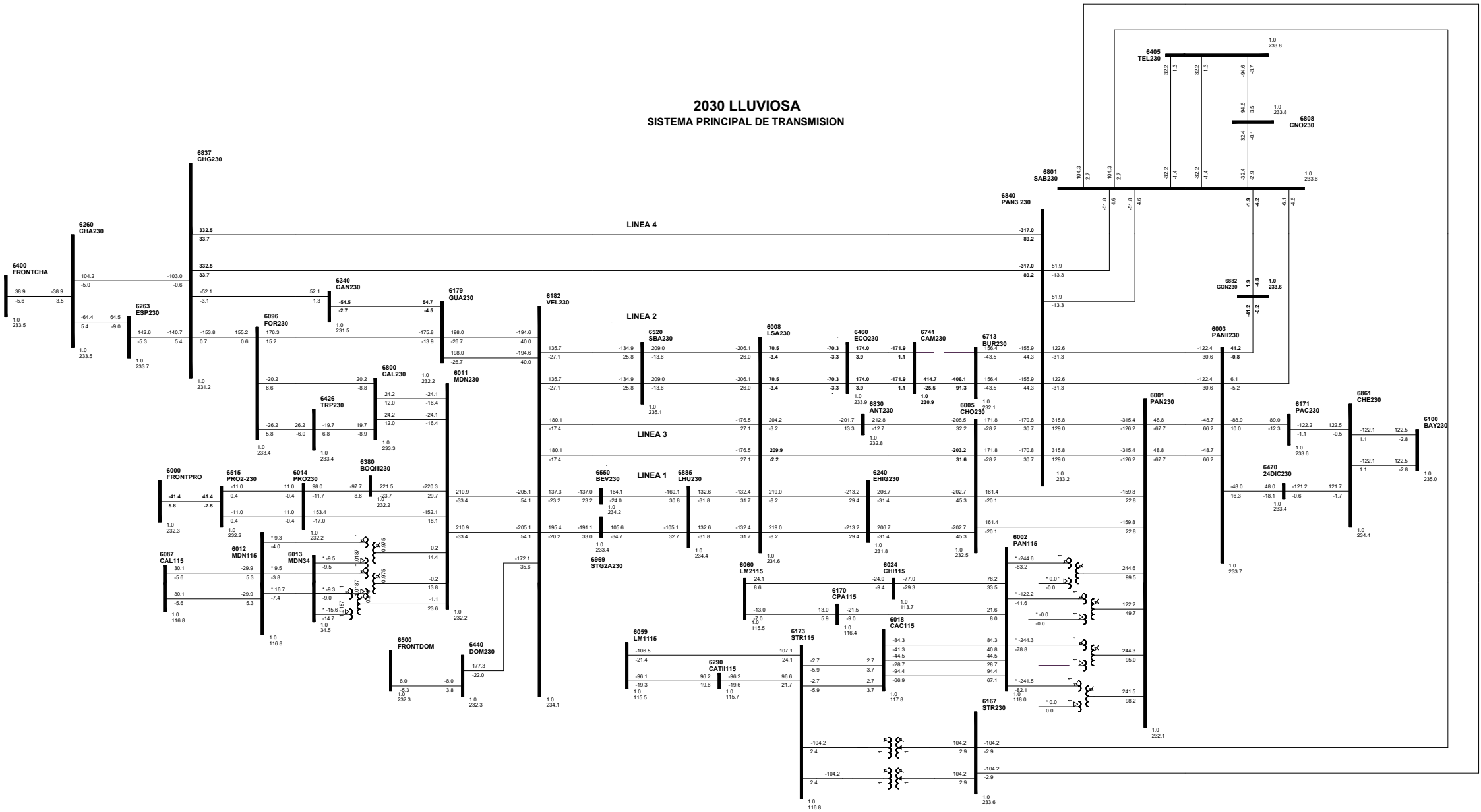
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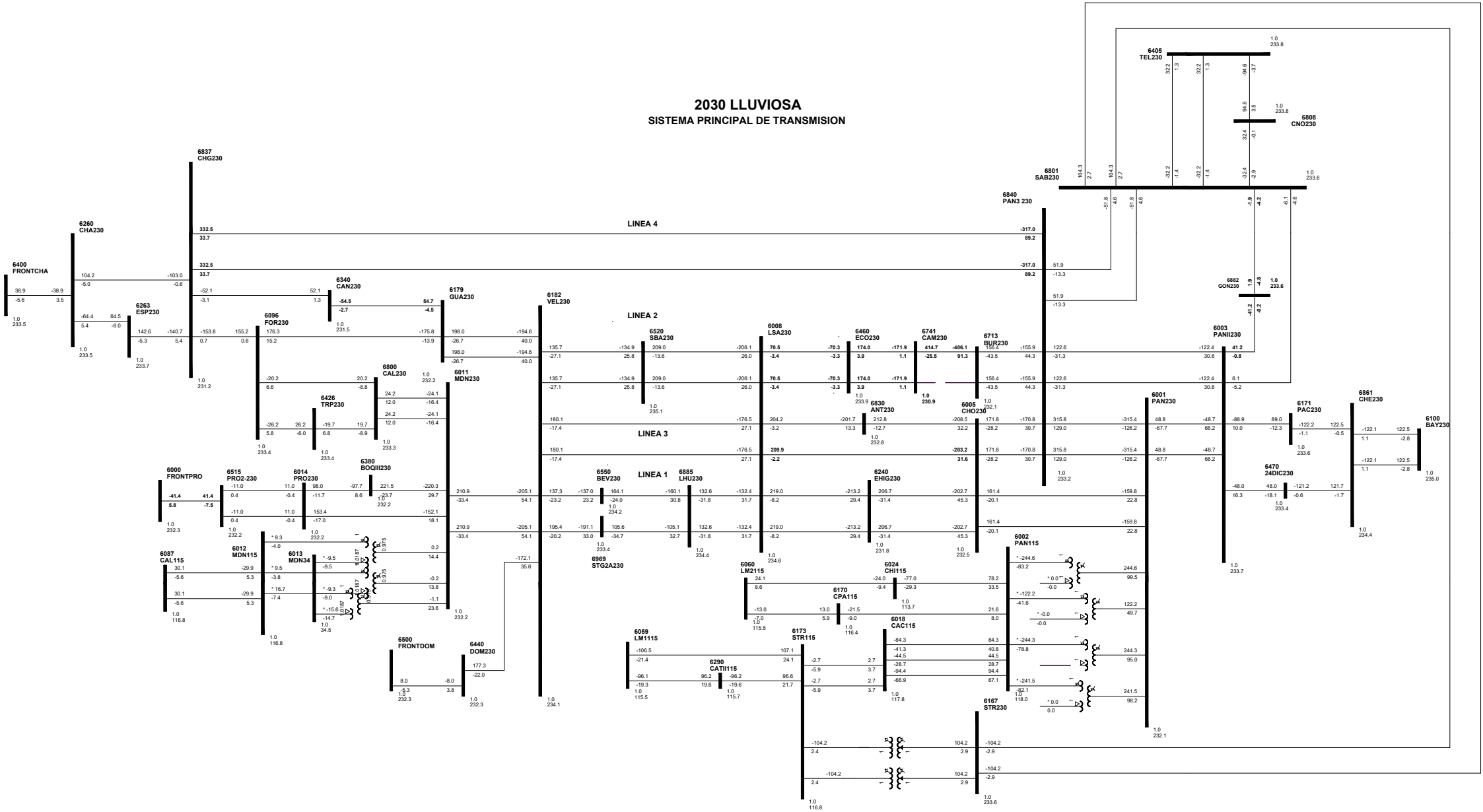
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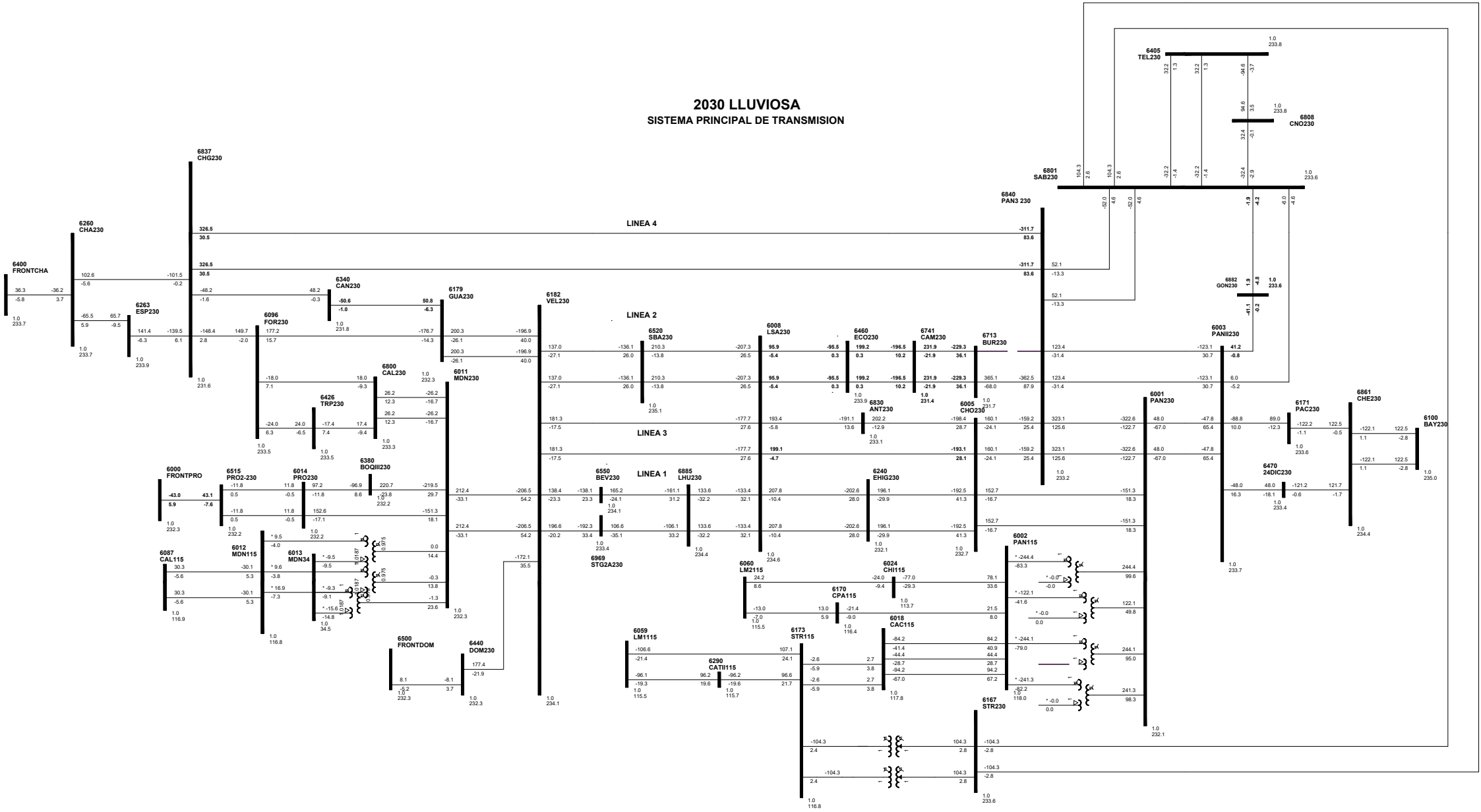
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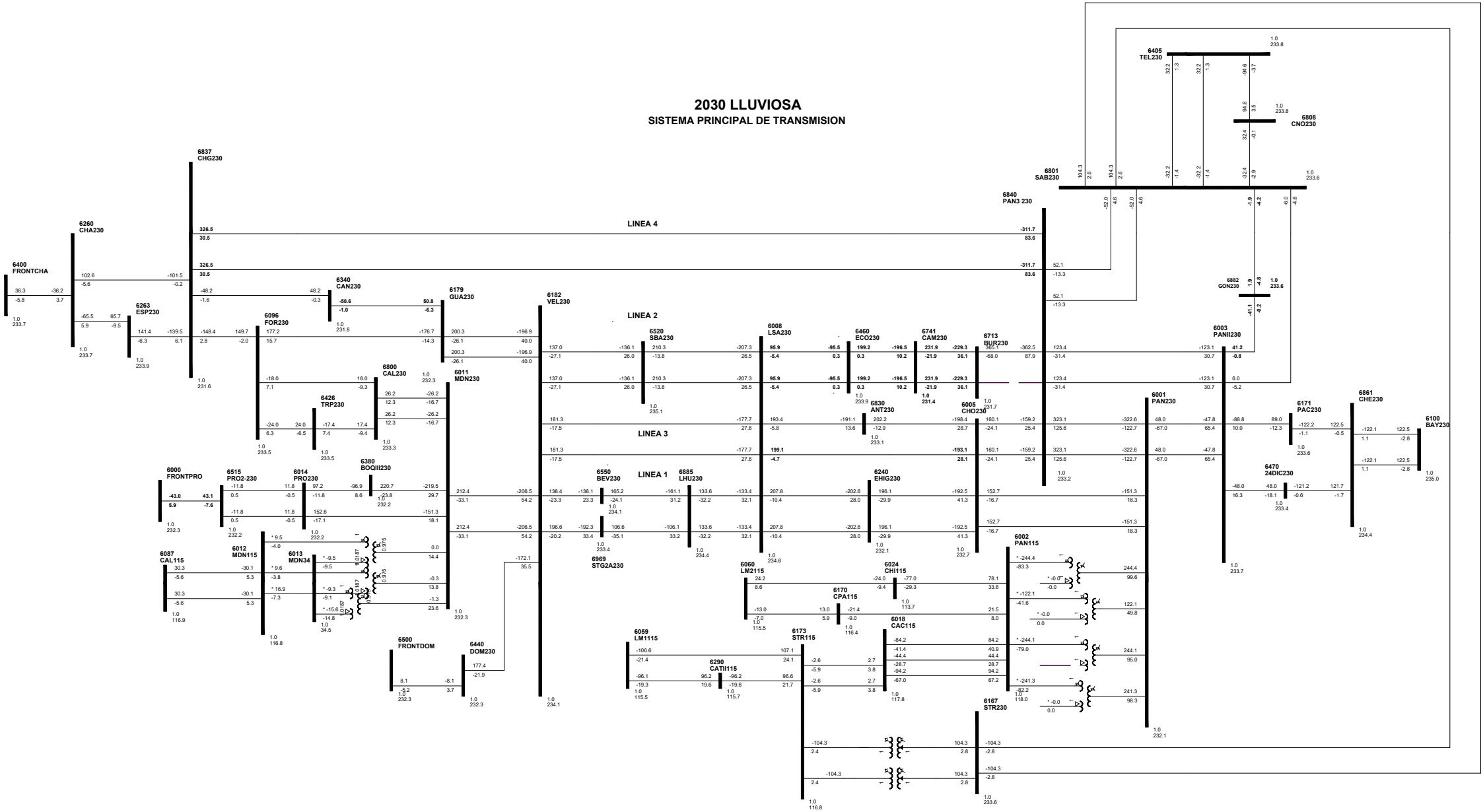
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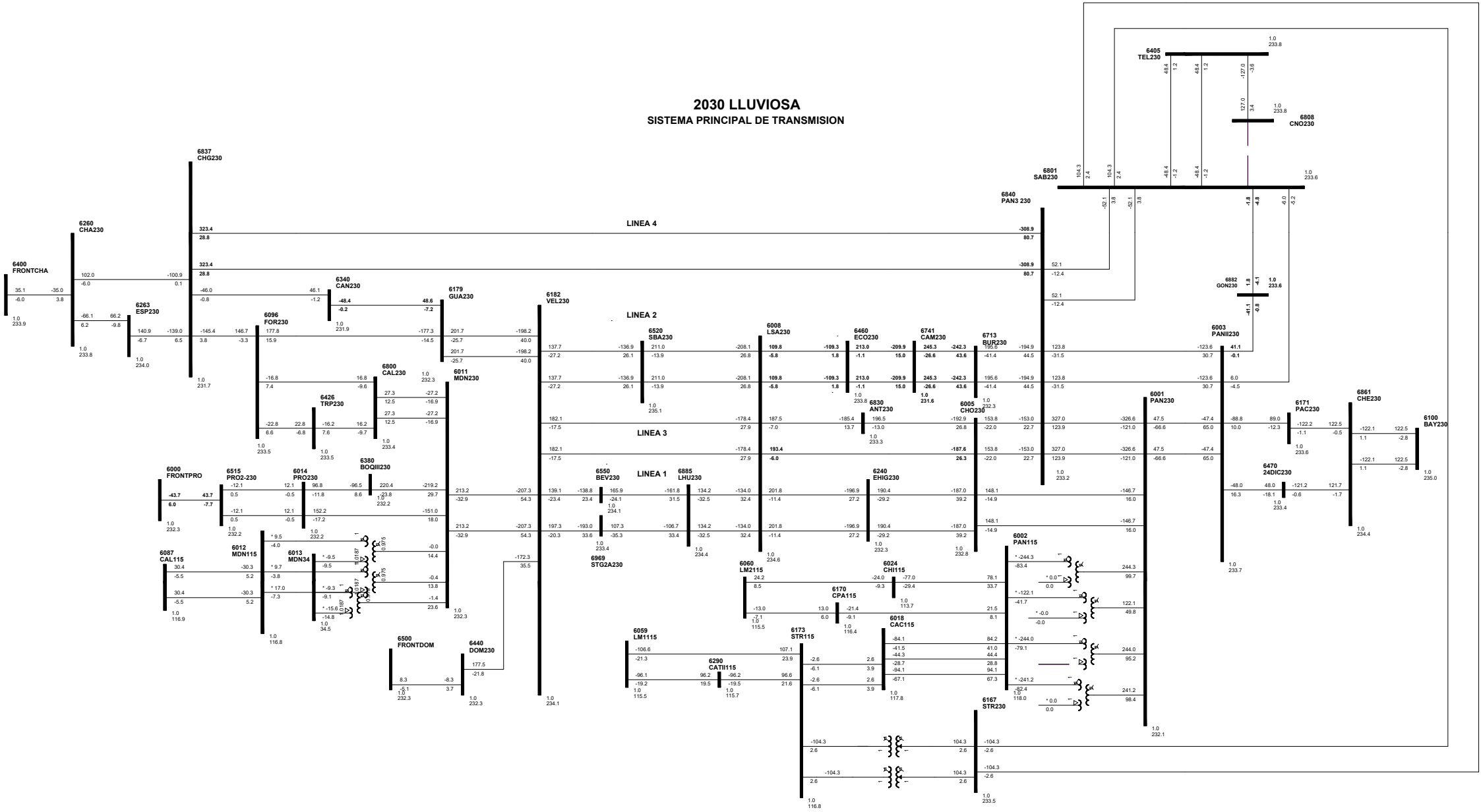
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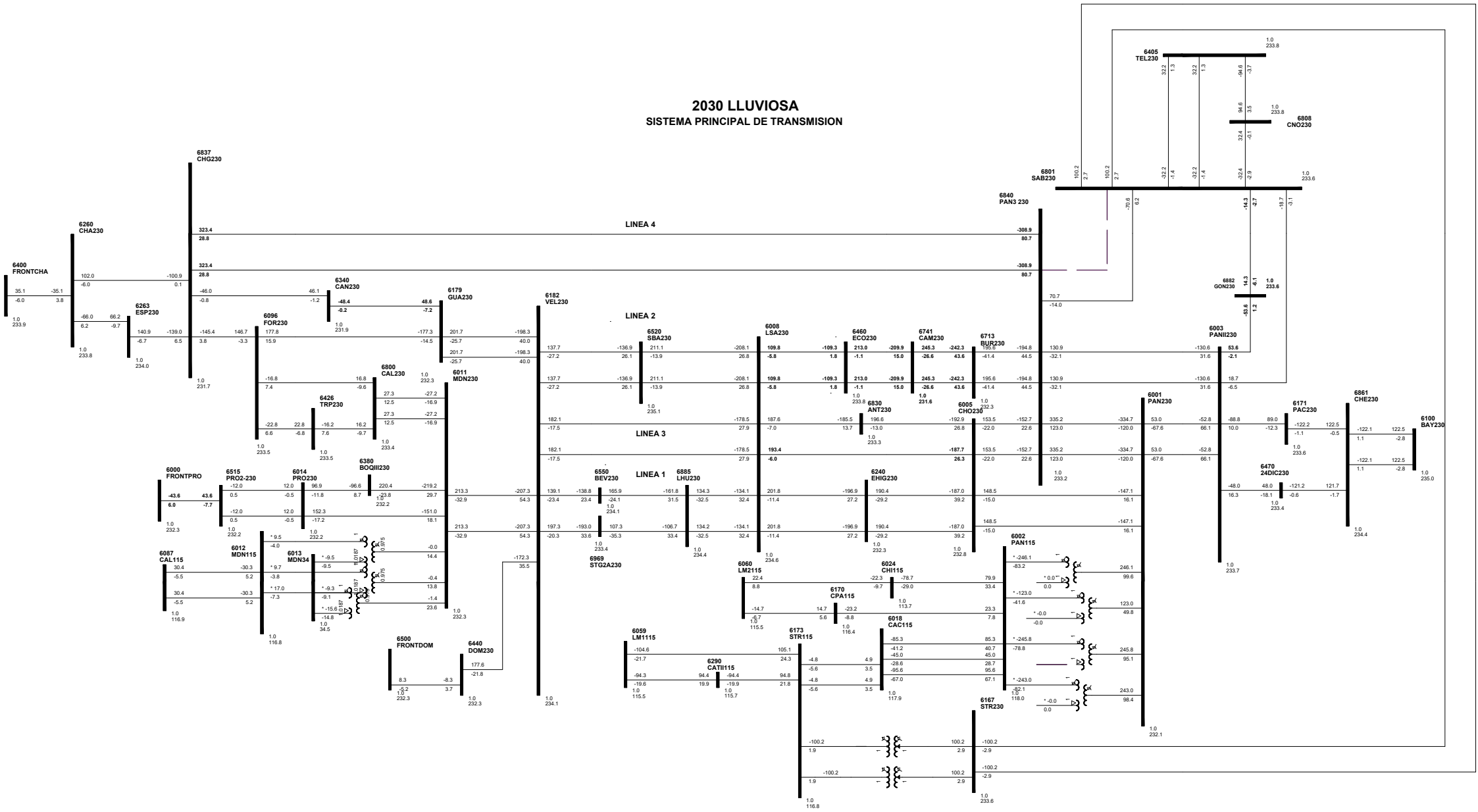
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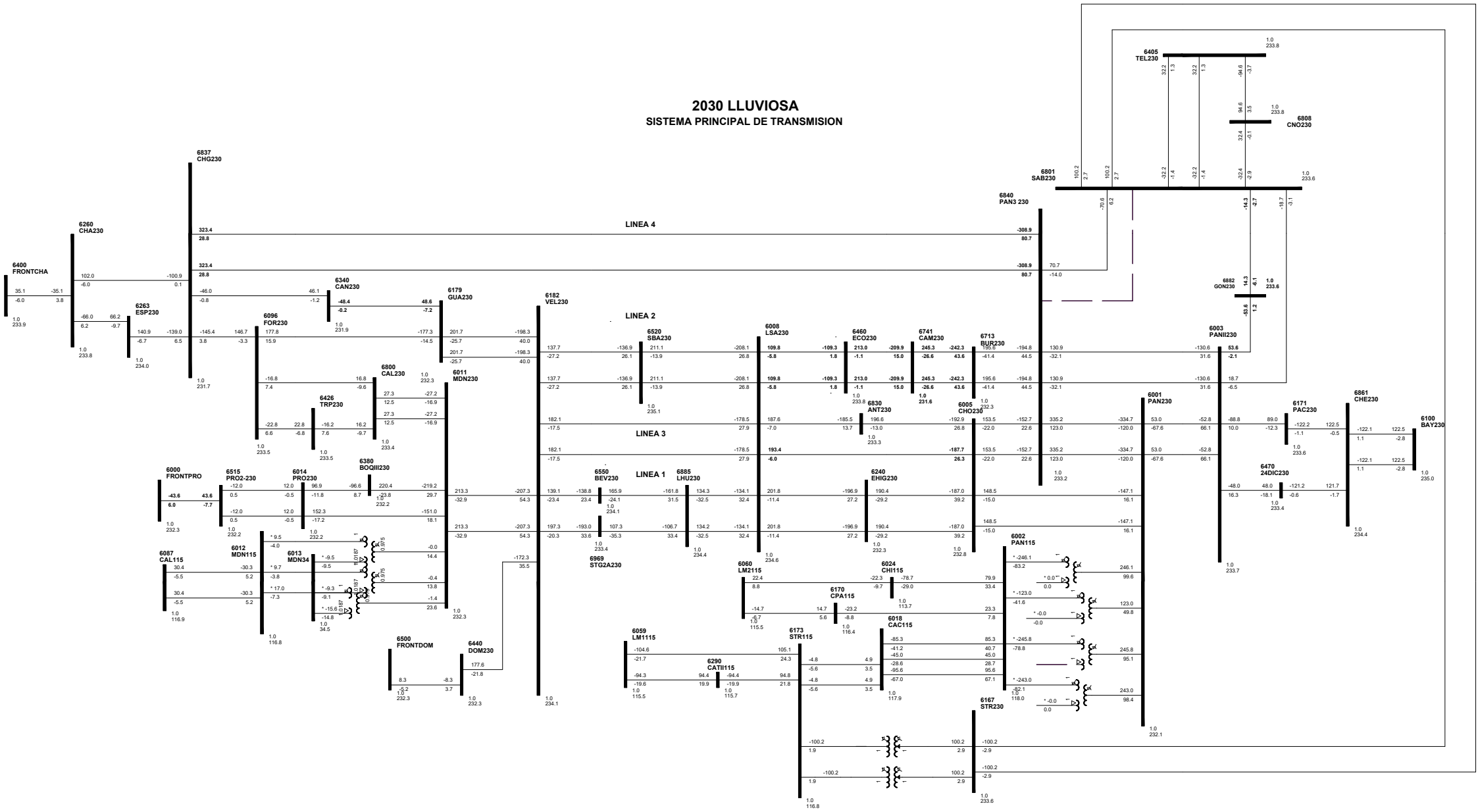
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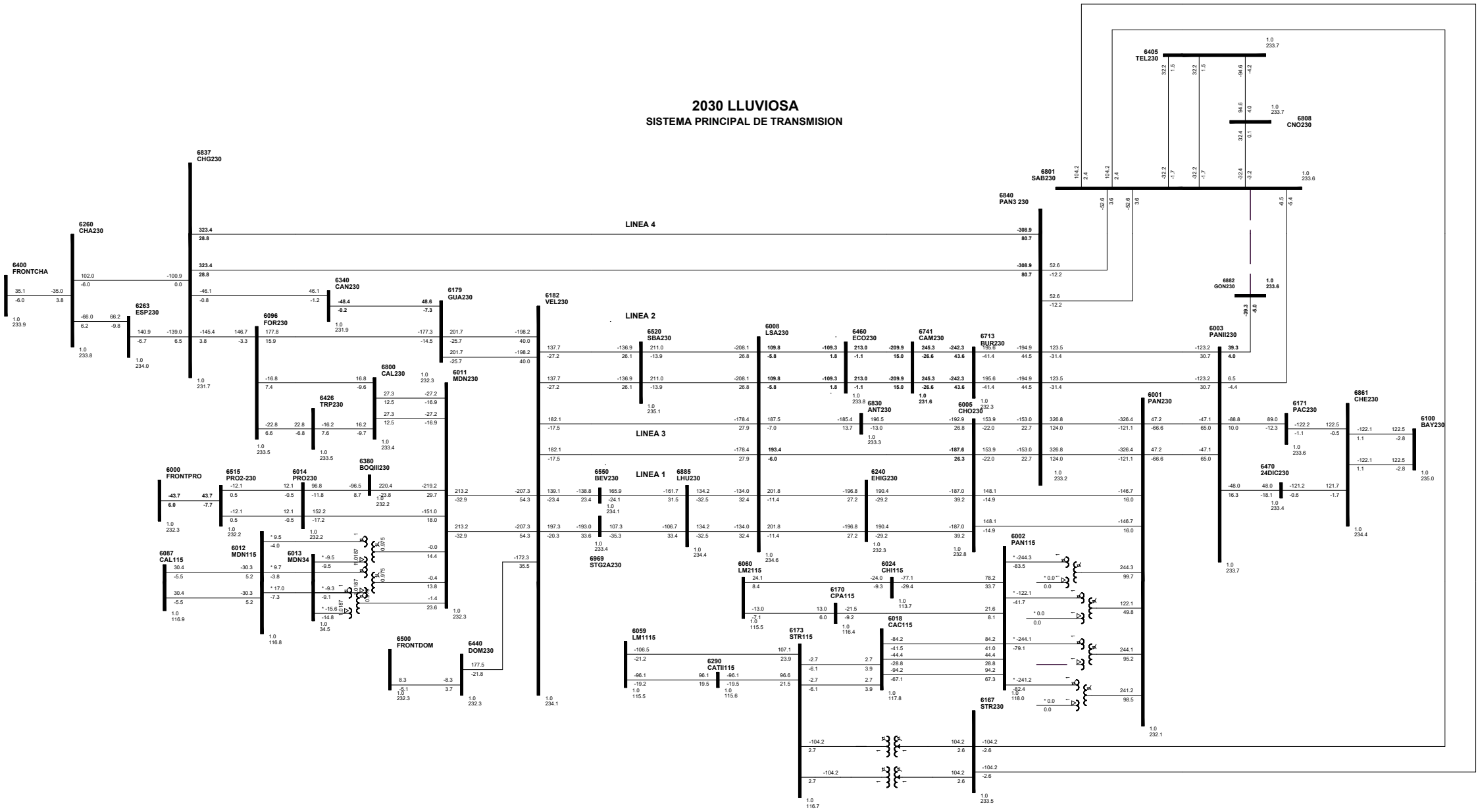
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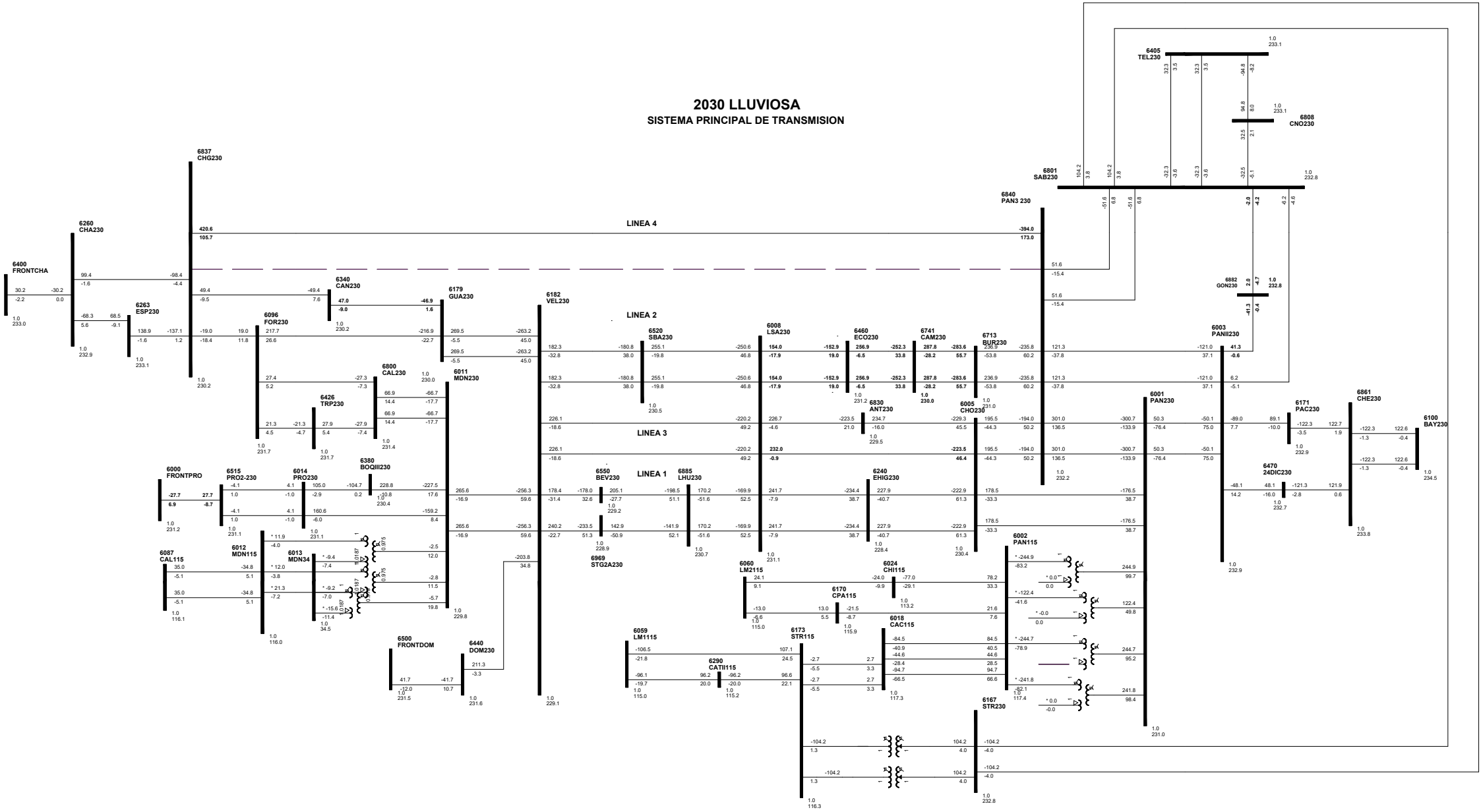
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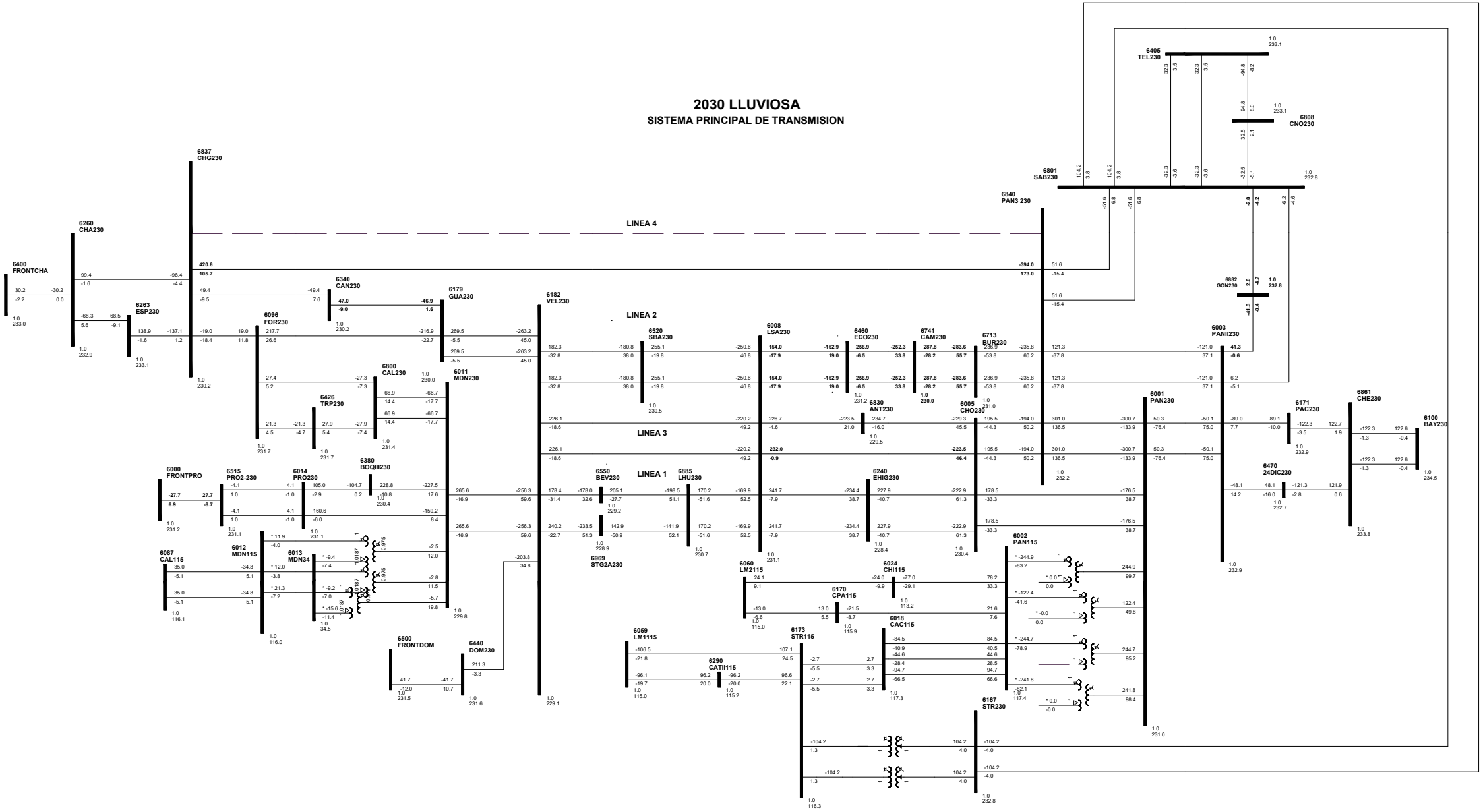
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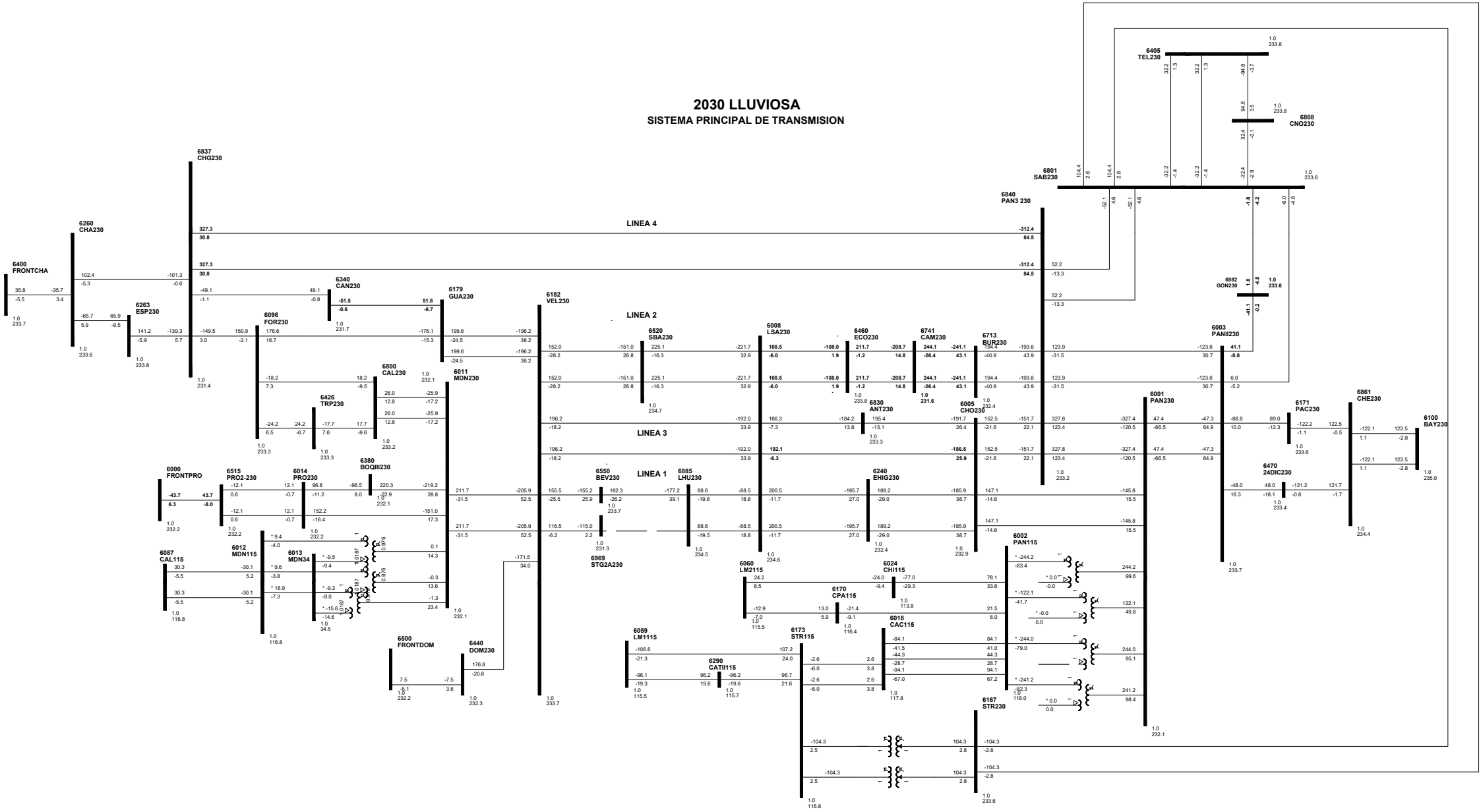
Contingencia 93



Contingencia 94



Contingencia 95

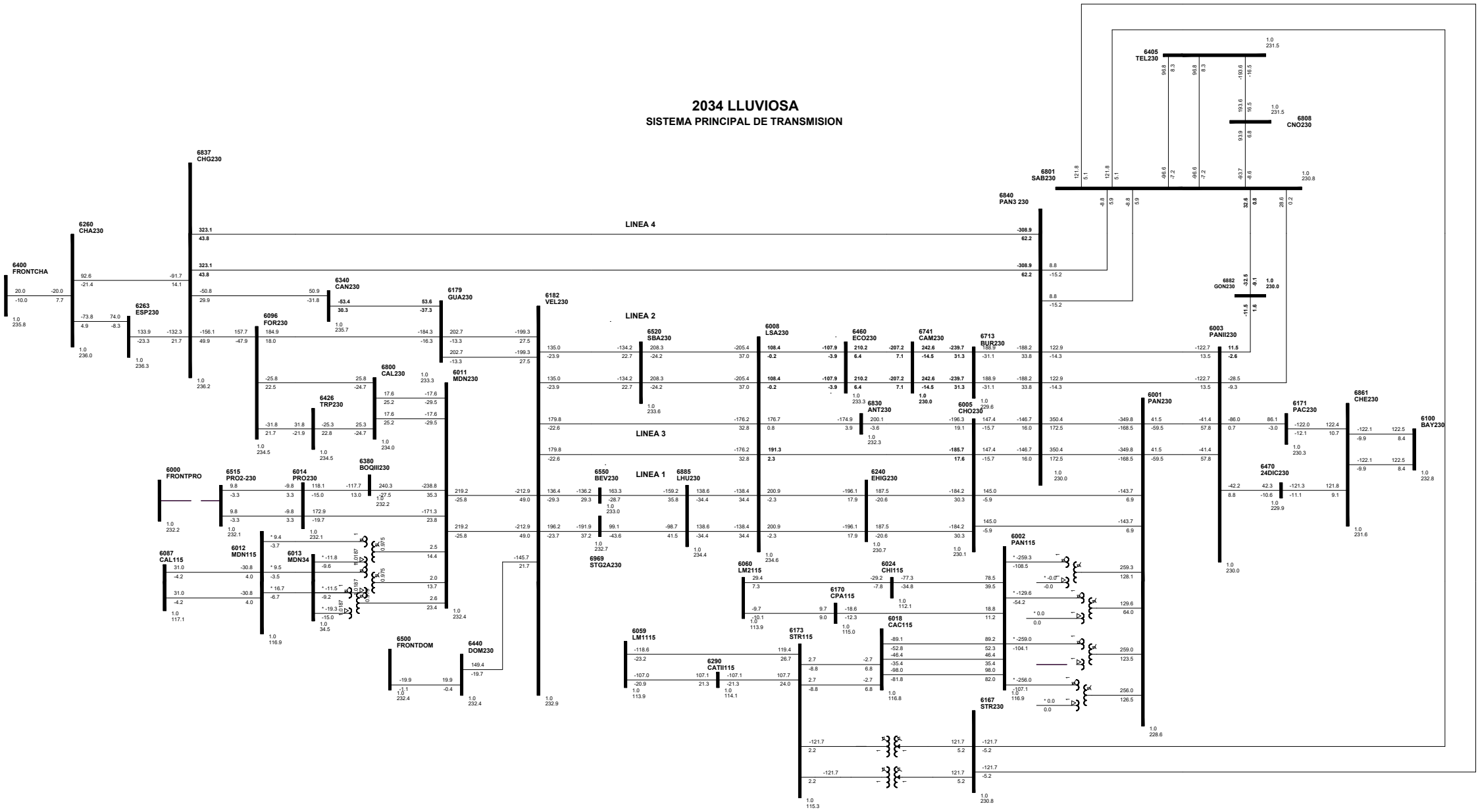


2034 LLUVIOSA

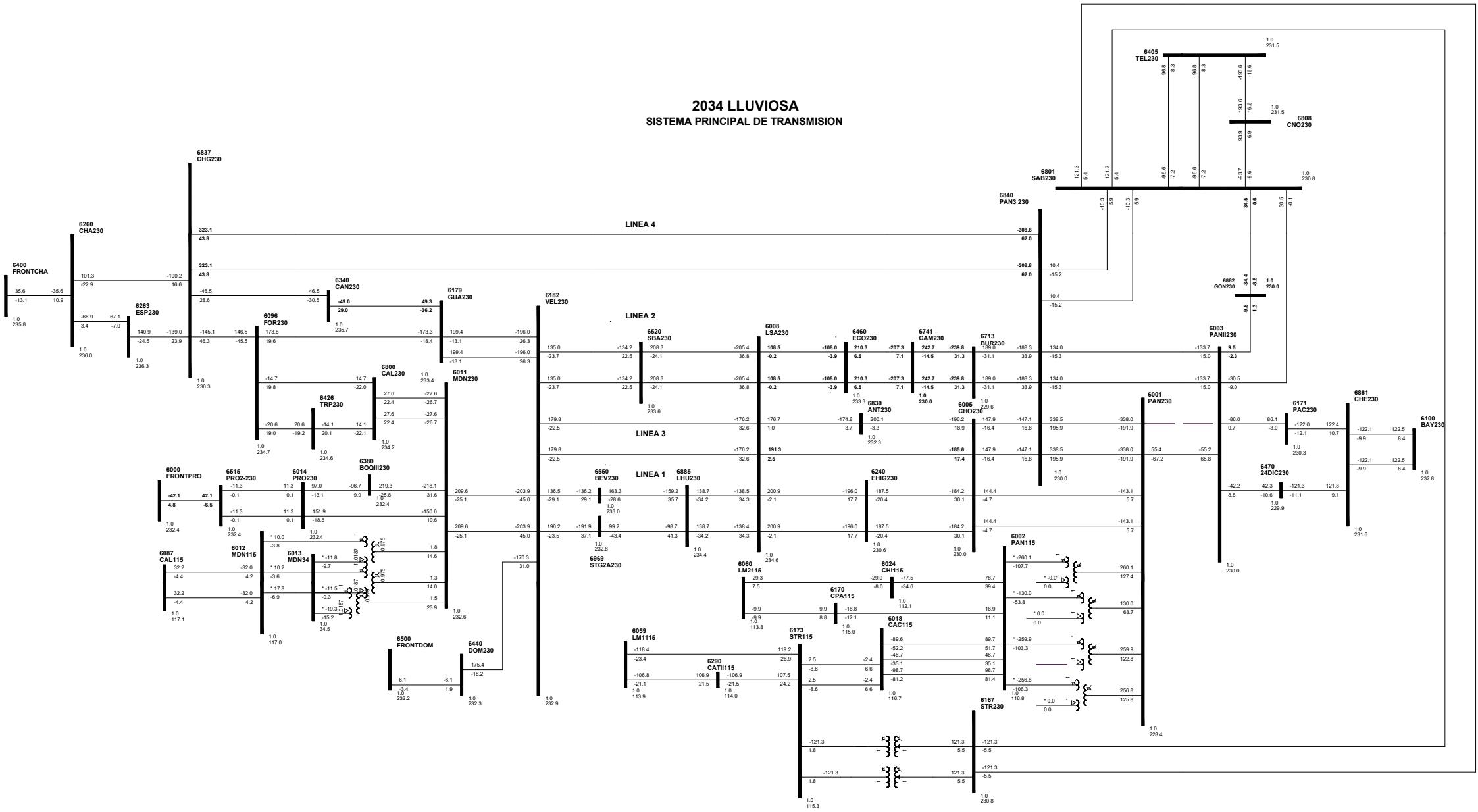
Listado de Contingencias 2034 Máxima Lluviosa

No. Cont	Cont
C1	6000-6515-1
C2	6001-6003-1D
C3	6001-6003-2D
C4	6001-6005-3A
C5	6001-6005-4A
C6	6001-6840-7A
C7	6001-6840-8A
C8	6002-6018-1
C9	6002-6018-12
C10	6002-6018-37
C11	6002-6024-3A
C12	6002-6170-4A
C13	6003-6171-1C
C14	6003-6470-2C
C15	6003-6801-55
C16	6003-6840-2A
C17	6003-6840-3A
C18	6003-6882-4A
C19	6005-6008-50
C20	6005-6240-3B
C21	6005-6240-4B
C22	6005-6830-9A
C23	6005-6840-7B
C24	6005-6840-8B
C25	6008-6182-51
C26	6008-6182-52
C27	6008-6240-3C
C28	6008-6240-4C
C29	6008-6460-2D
C30	6008-6460-3D
C31	6008-6520-4A
C32	6008-6520-5A
C33	6008-6830-9B
C34	6008-6885-5A
C35	6008-6885-6A
C36	6011-6014-39
C37	6011-6182-5D
C38	6011-6182-6D
C39	6011-6380-9A
C40	6011-6800-7A
C41	6011-6800-8A
C42	6012-6087-15
C43	6012-6087-16
C44	6014-6380-9B
C45	6014-6515-1
C46	6014-6515-2
C47	6018-6173-1A
C48	6018-6173-2A
C49	6024-6060-3B
C50	6059-6173-2B
C51	6059-6290-1C
C52	6060-6170-4B
C53	6096-6179-18
C54	6096-6426-7C
C55	6096-6800-8B
C56	6096-6837-0A
C57	6100-6861-1A
C58	6100-6861-2A
C59	6167-6801-1
C60	6167-6801-2
C61	6171-6861-1B
C62	6173-6290-1B
C63	6179-6182-16
C64	6179-6182-17
C65	6179-6401-29
C66	6182-6440-5A
C67	6182-6520-4B
C68	6182-6520-5B
C69	6182-6550-6C
C70	6182-6969-5C
C71	6260-6263-0C
C72	6260-6400-21
C73	6260-6837-0B
C74	6263-6837-0B
C75	6340-6401-29
C76	6340-6837-0A
C77	6405-6801-1
C78	6405-6801-2
C79	6405-6808-1
C80	6426-6800-7B
C81	6440-6500-5B
C82	6460-6741-2D
C83	6460-6741-3D
C84	6470-6861-2B
C85	6550-6885-6B
C86	6713-6741-2C
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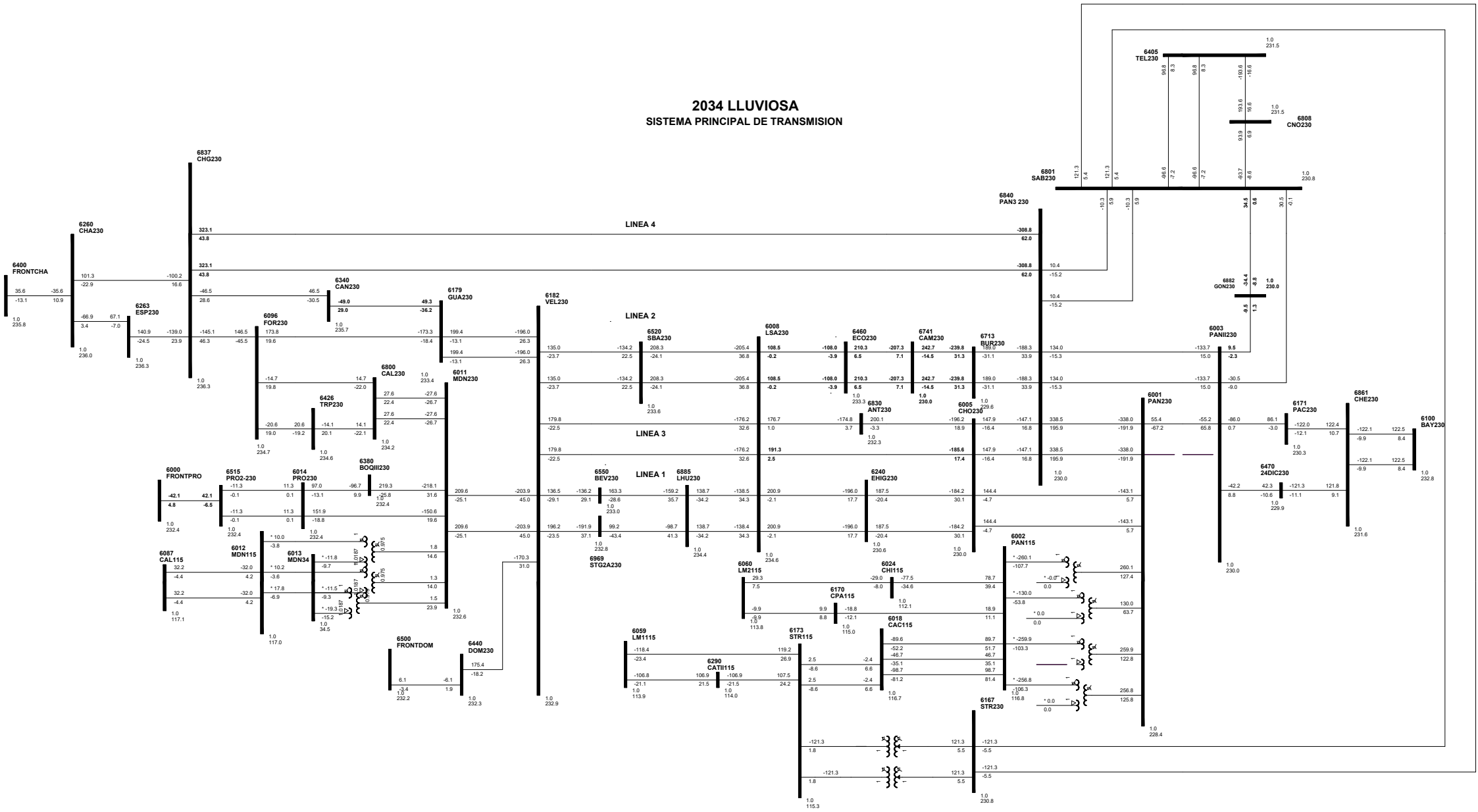
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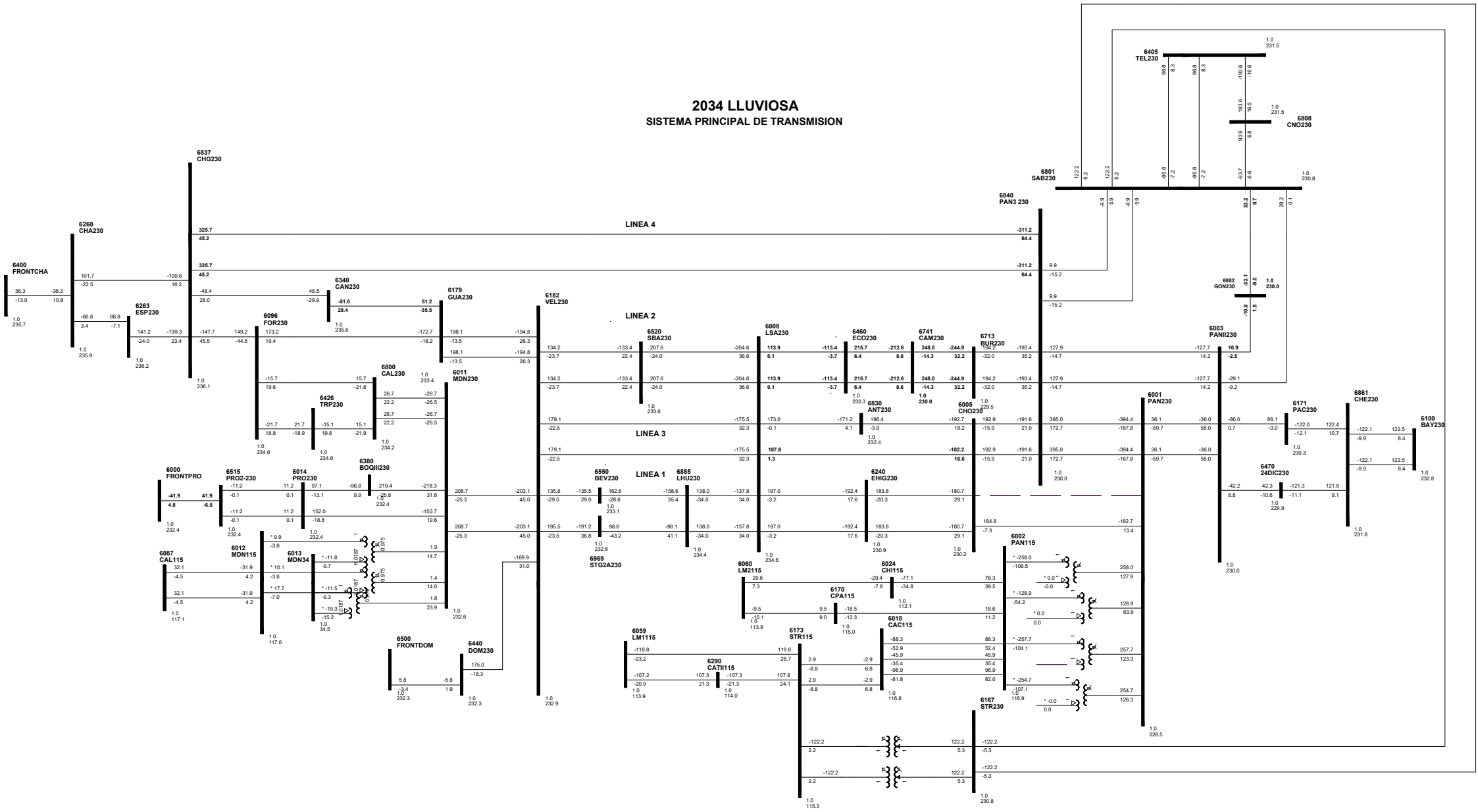
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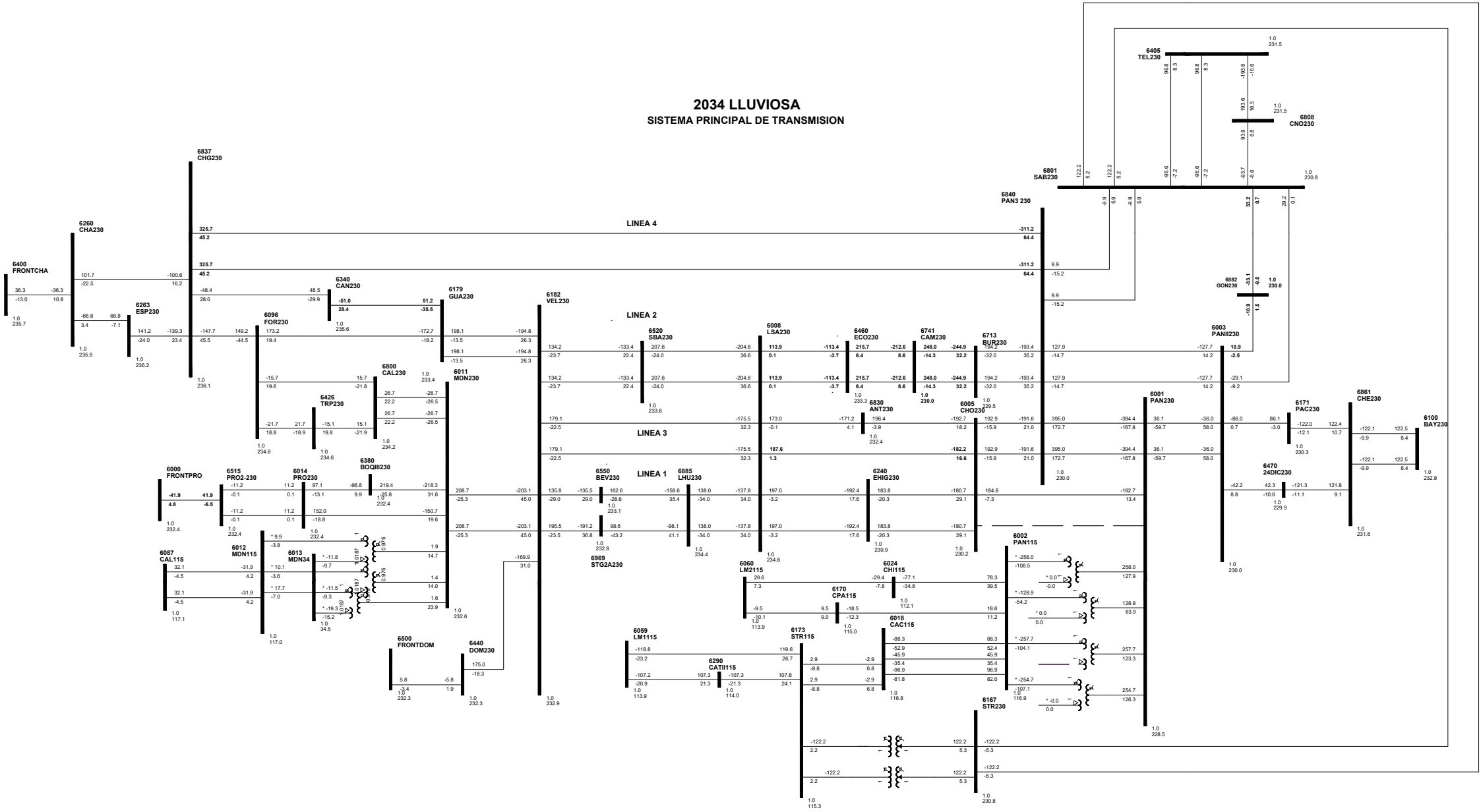
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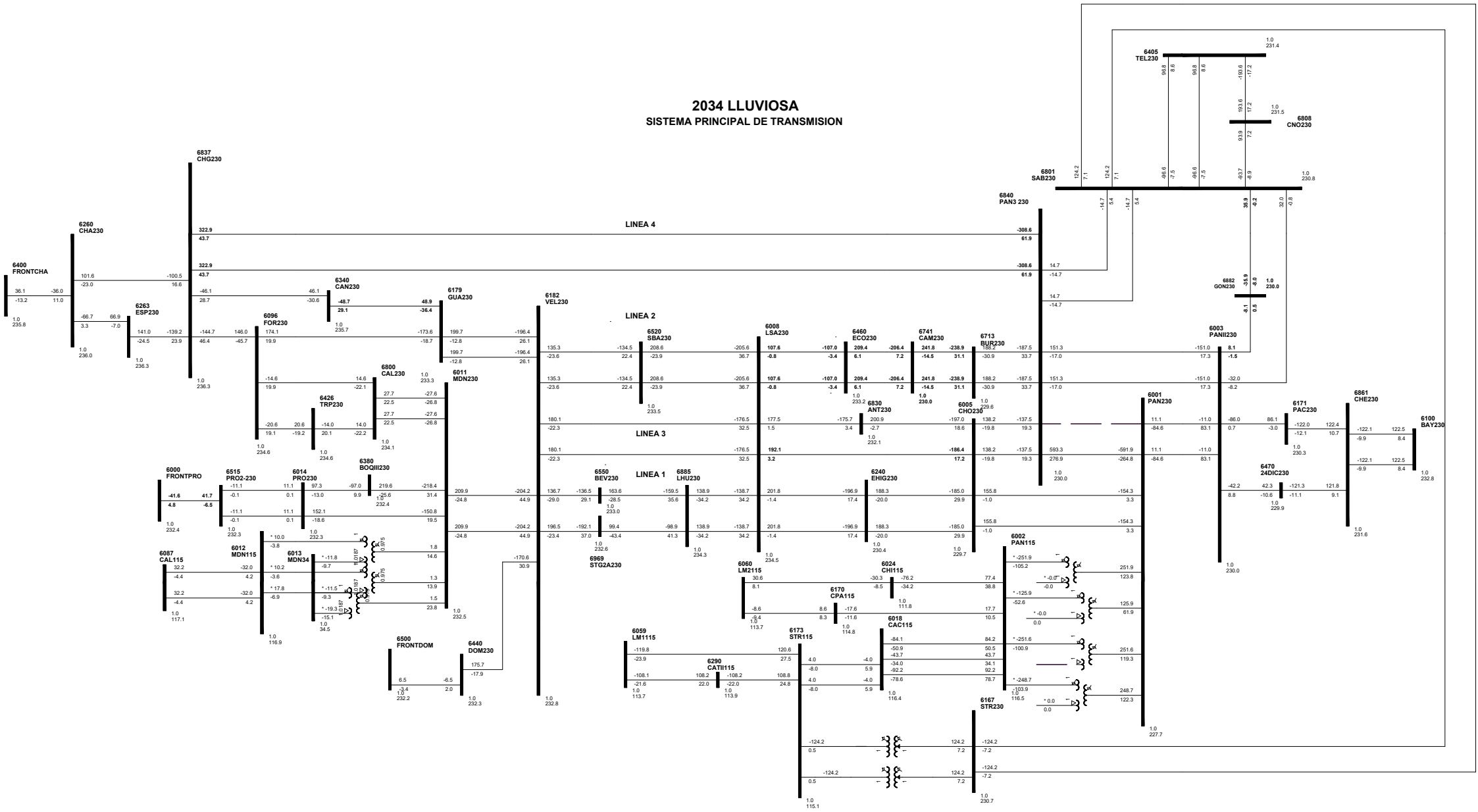
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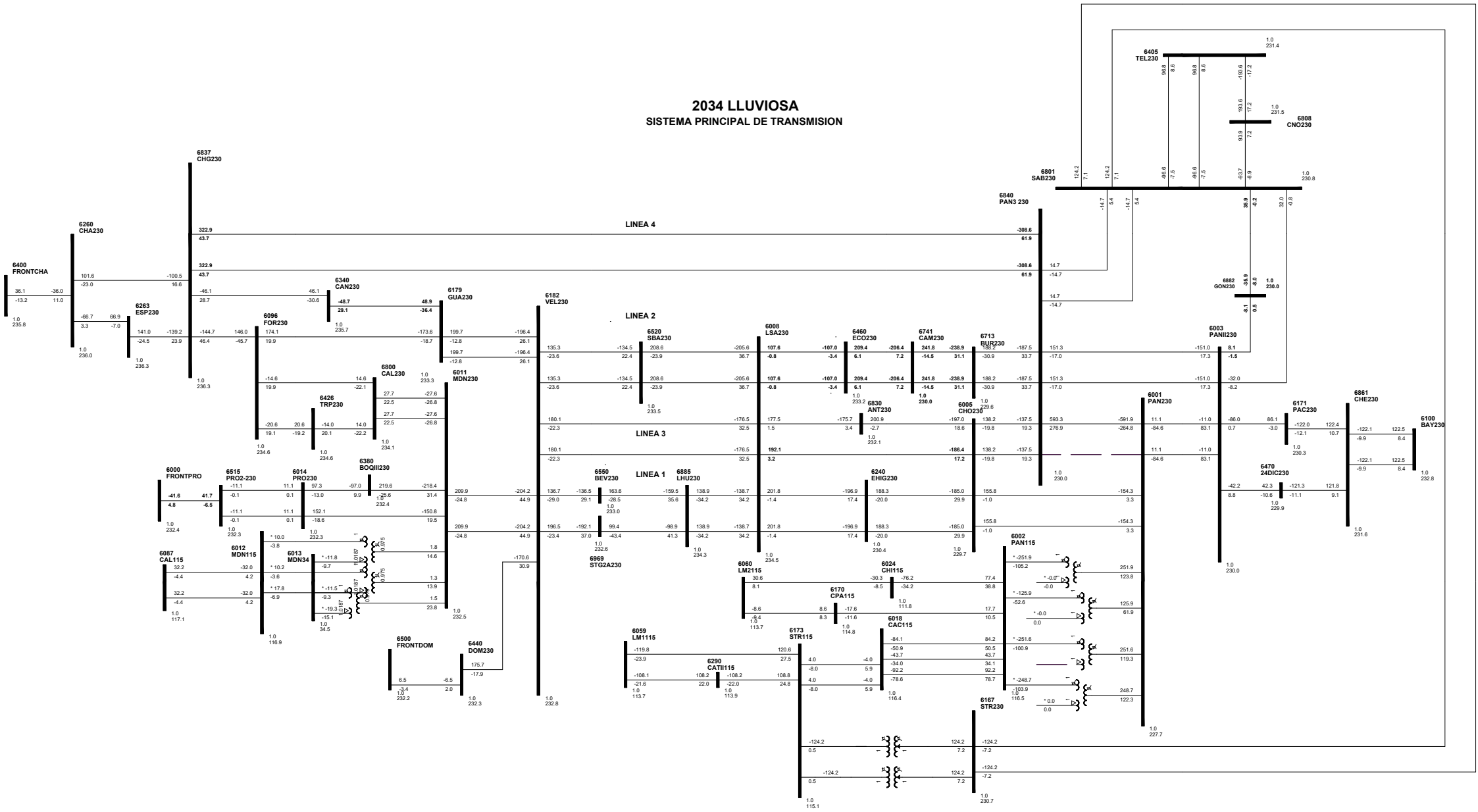
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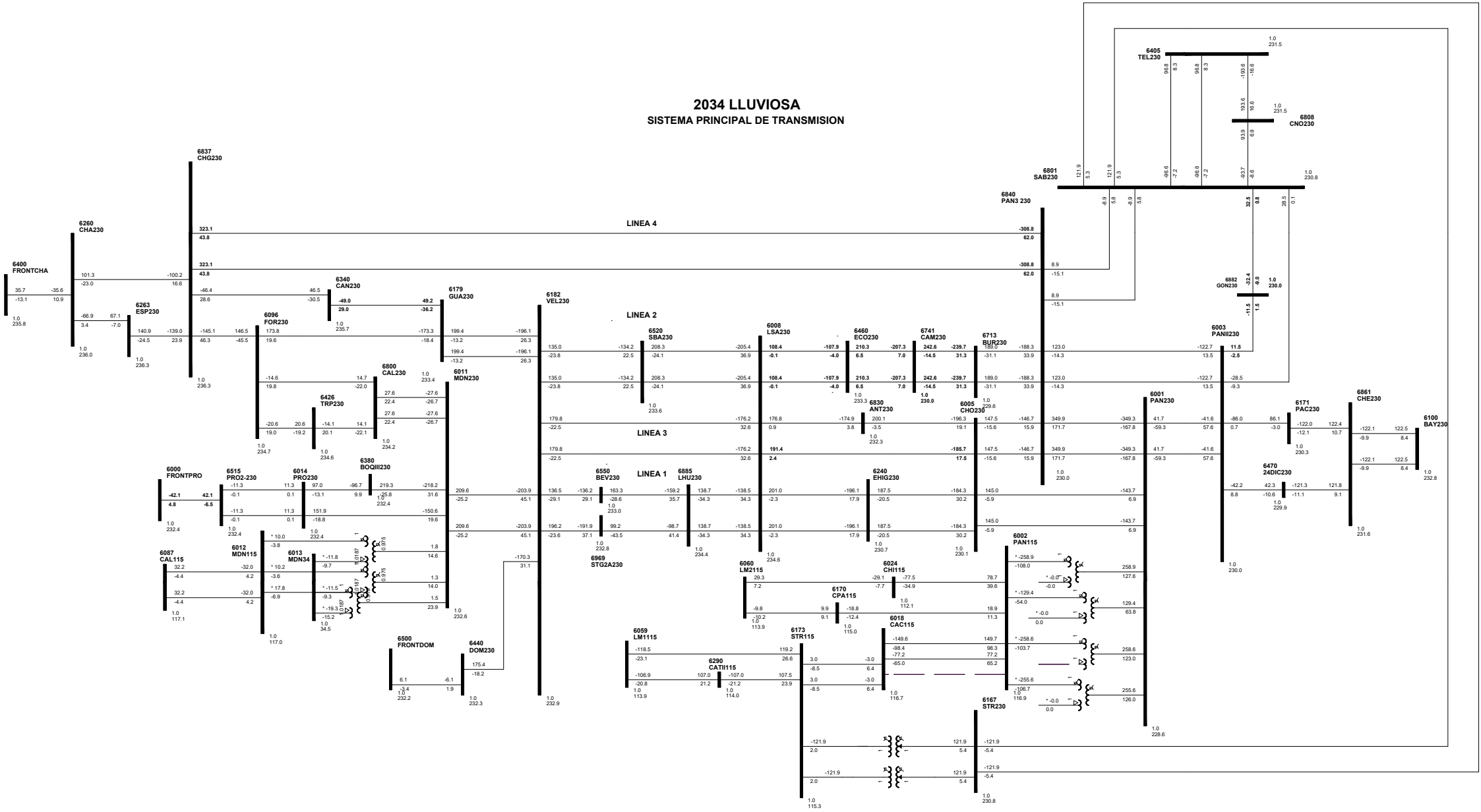
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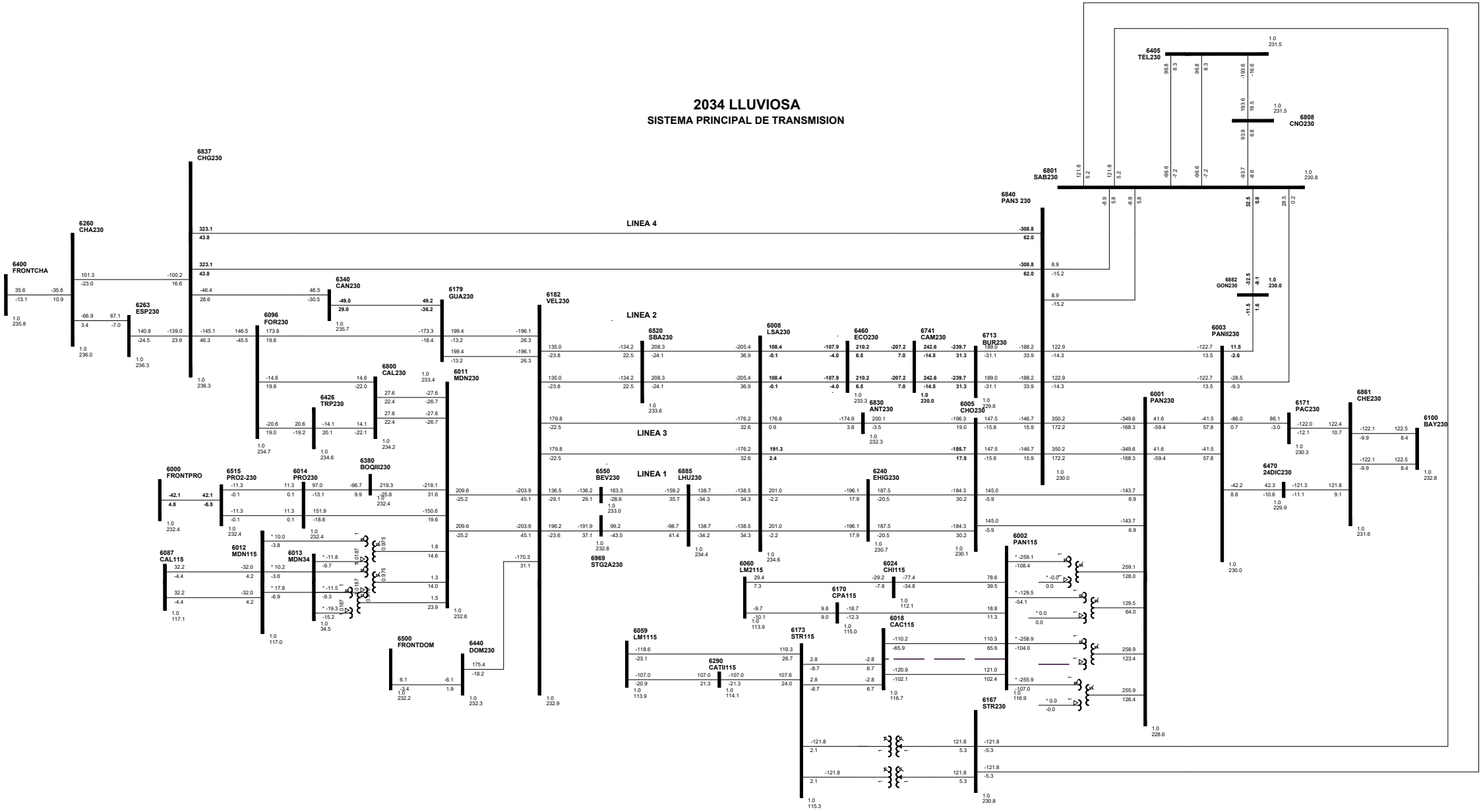
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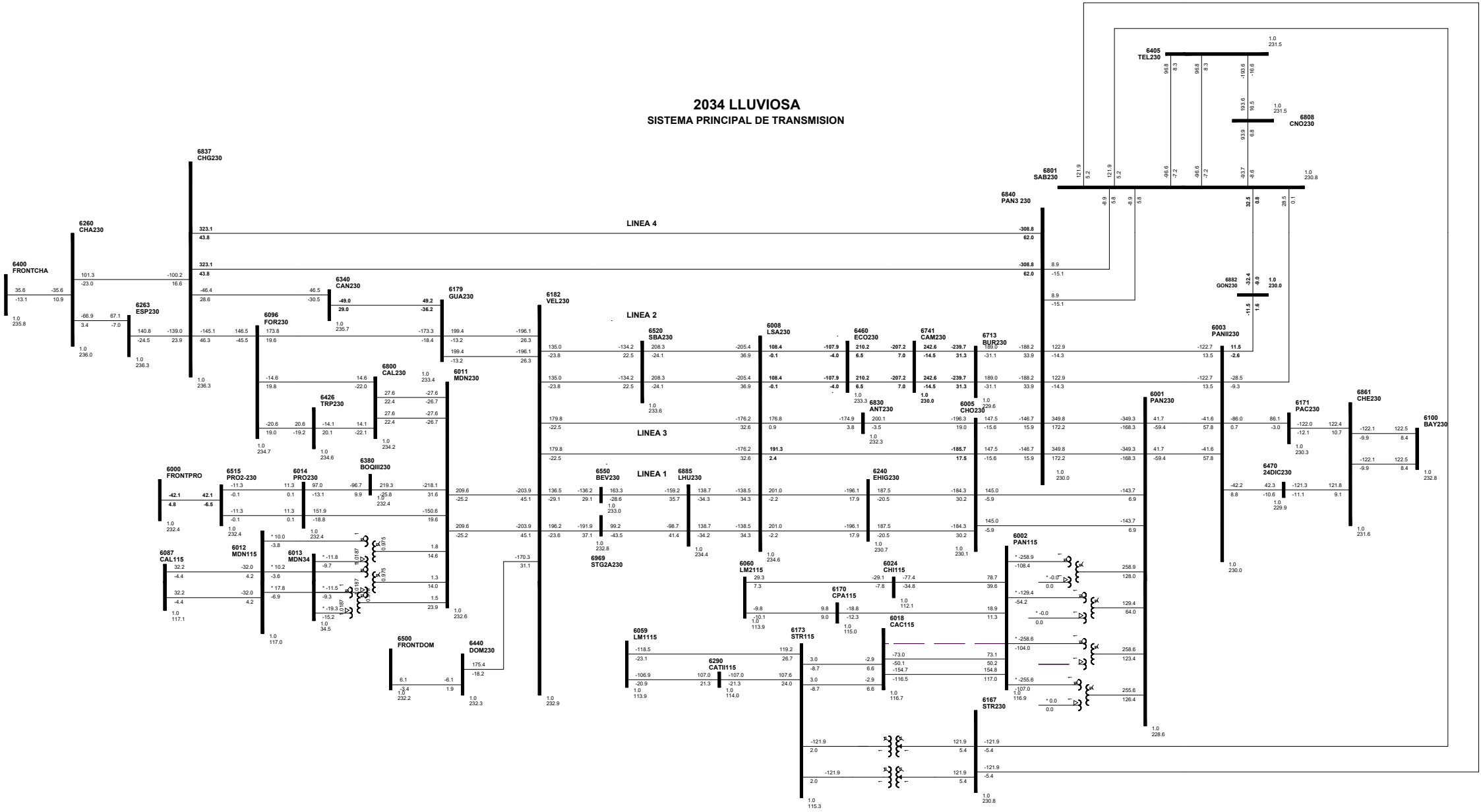
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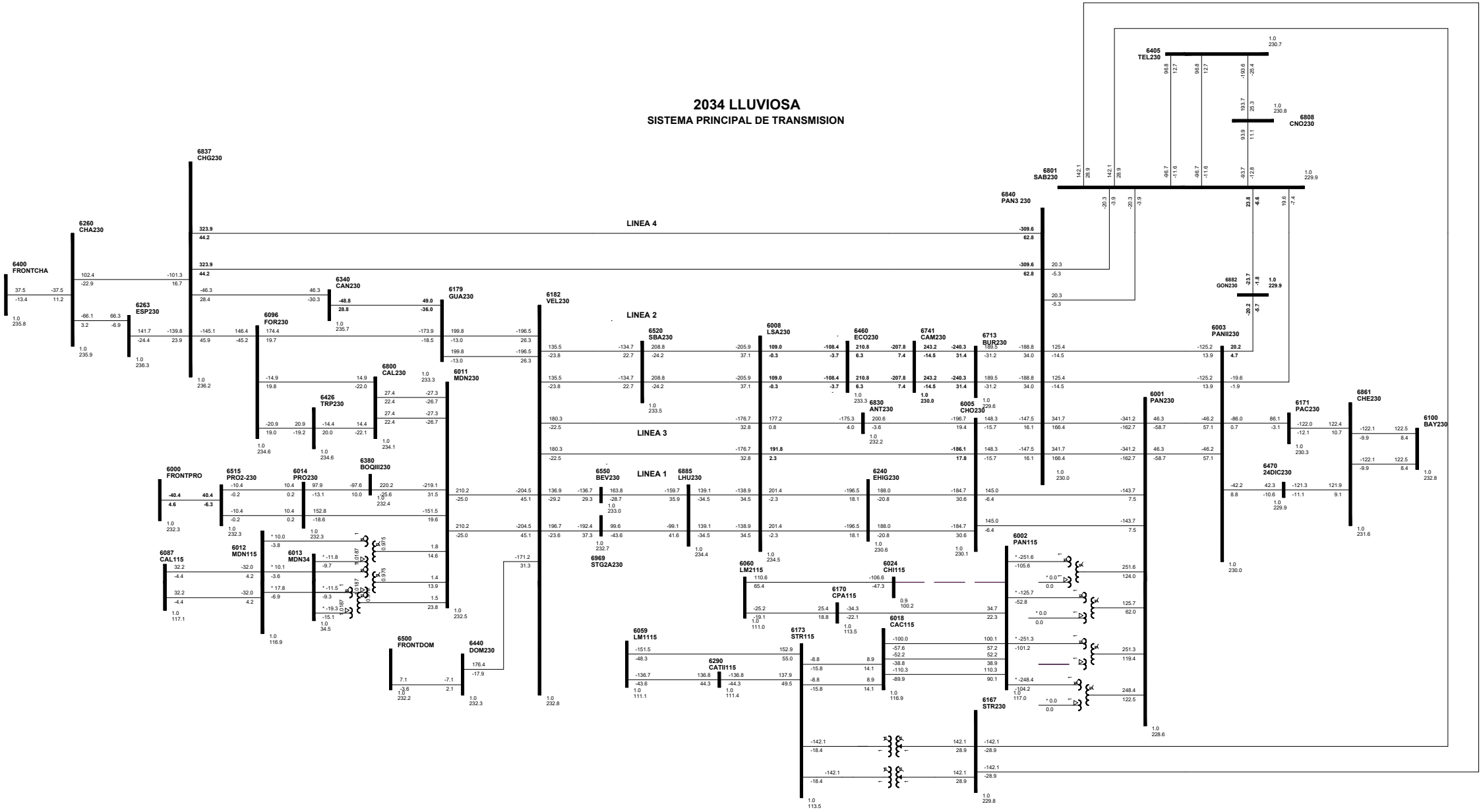
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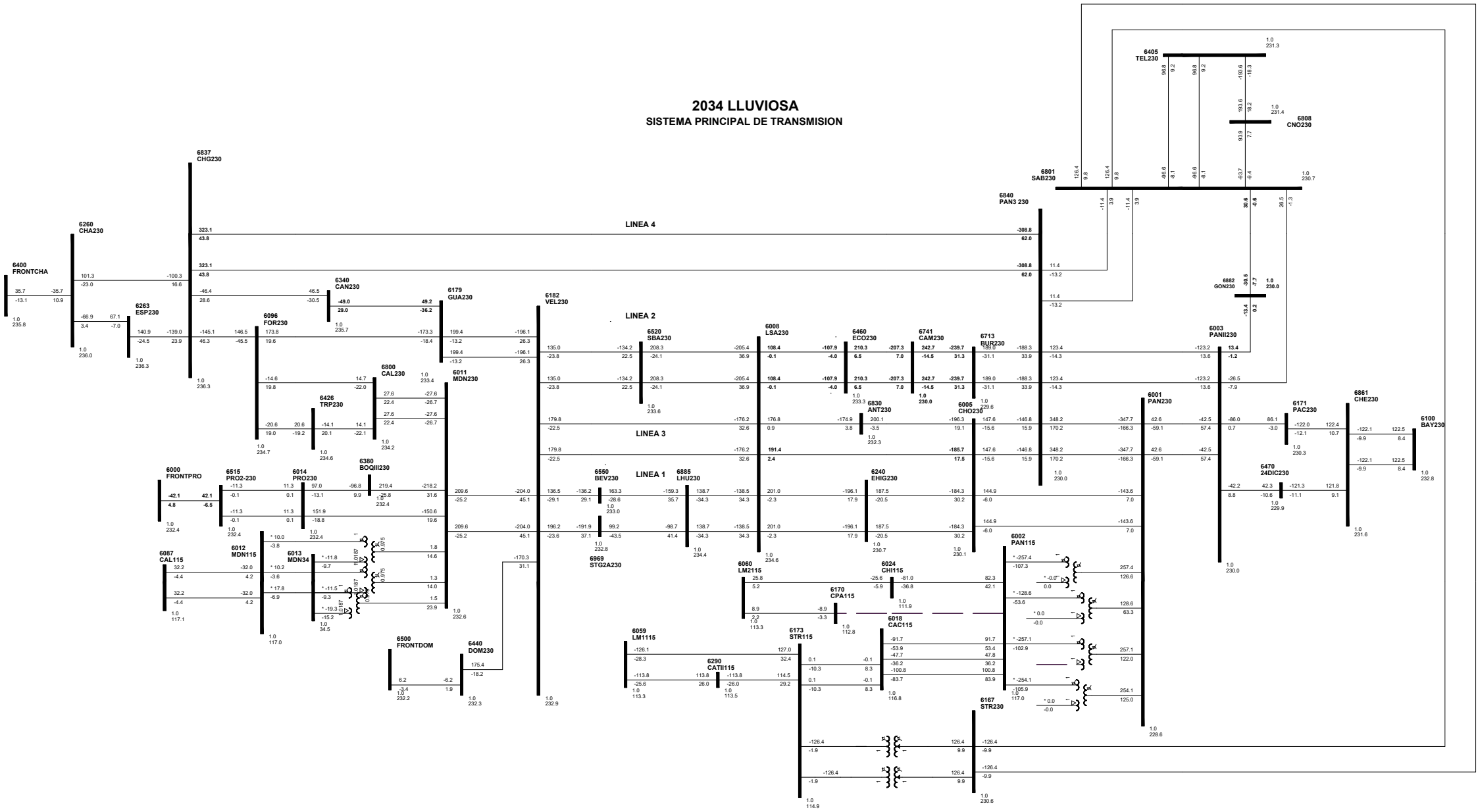
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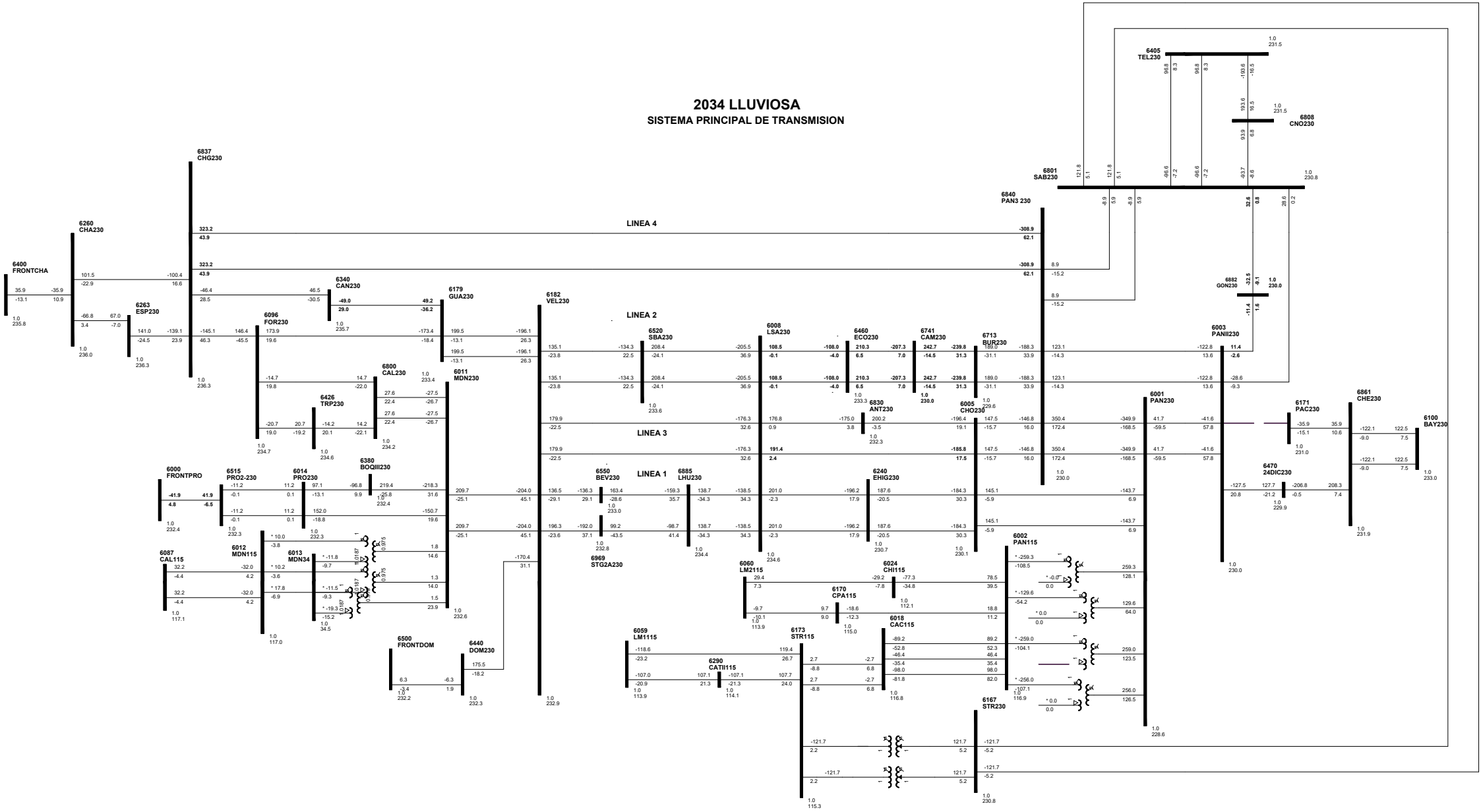
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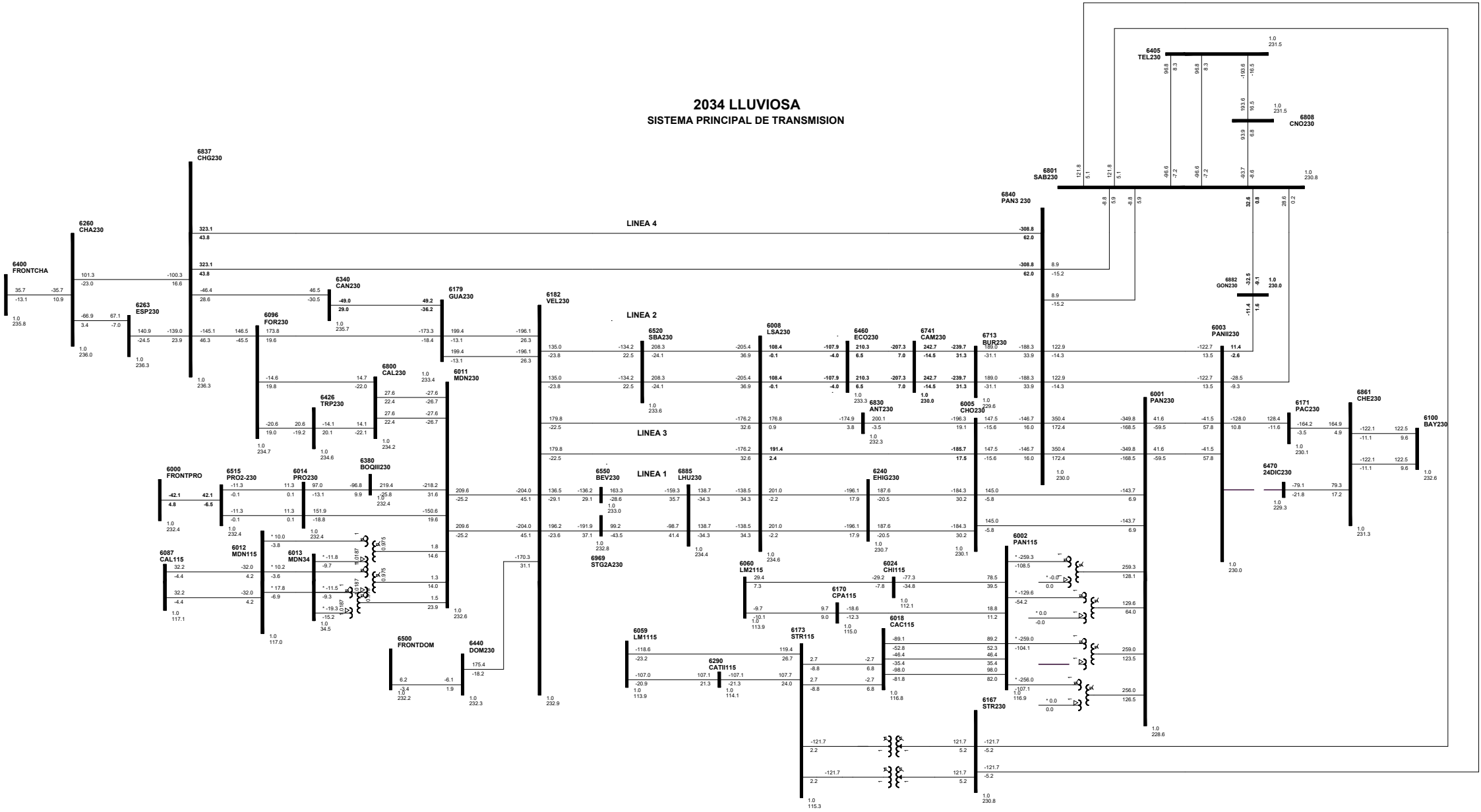
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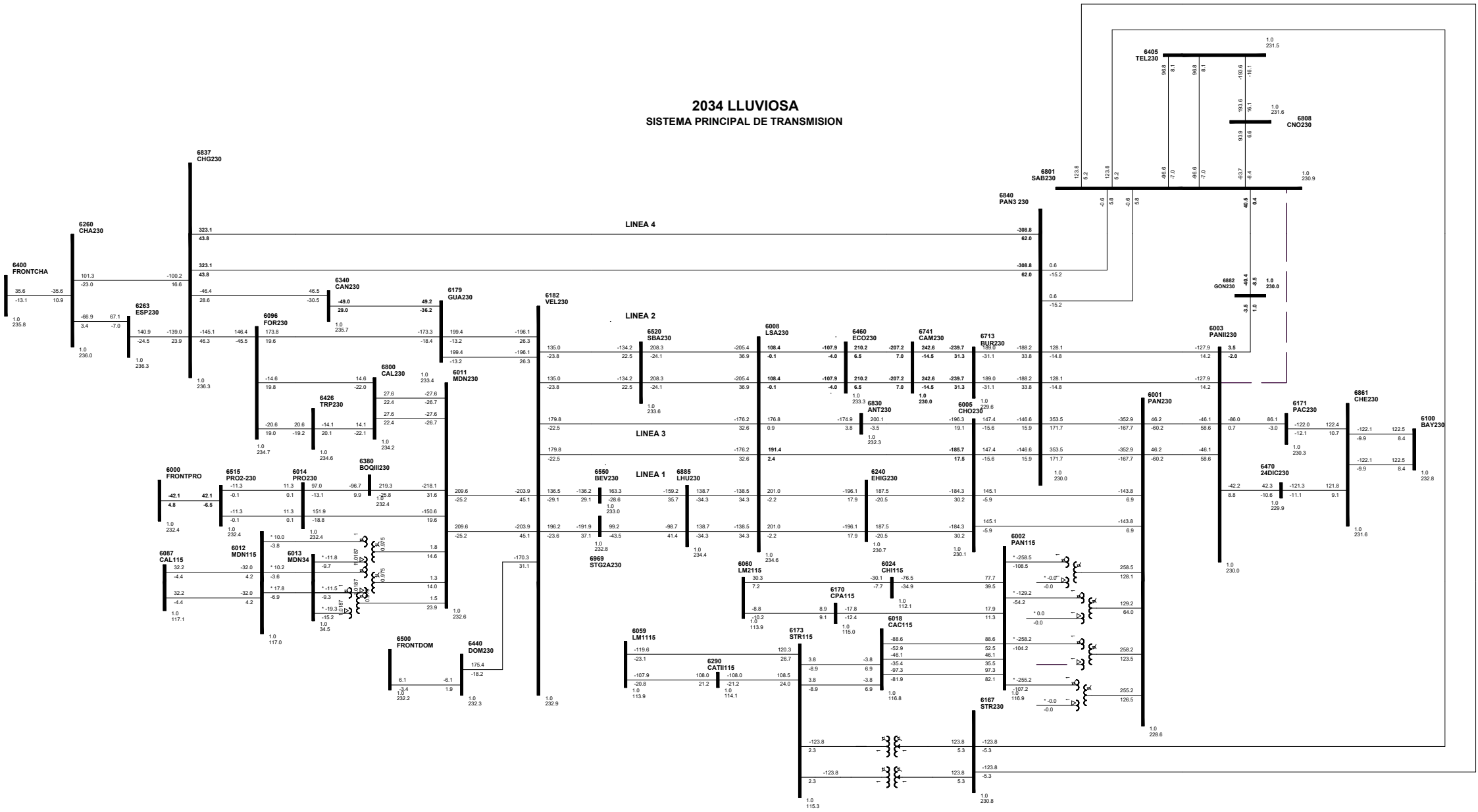
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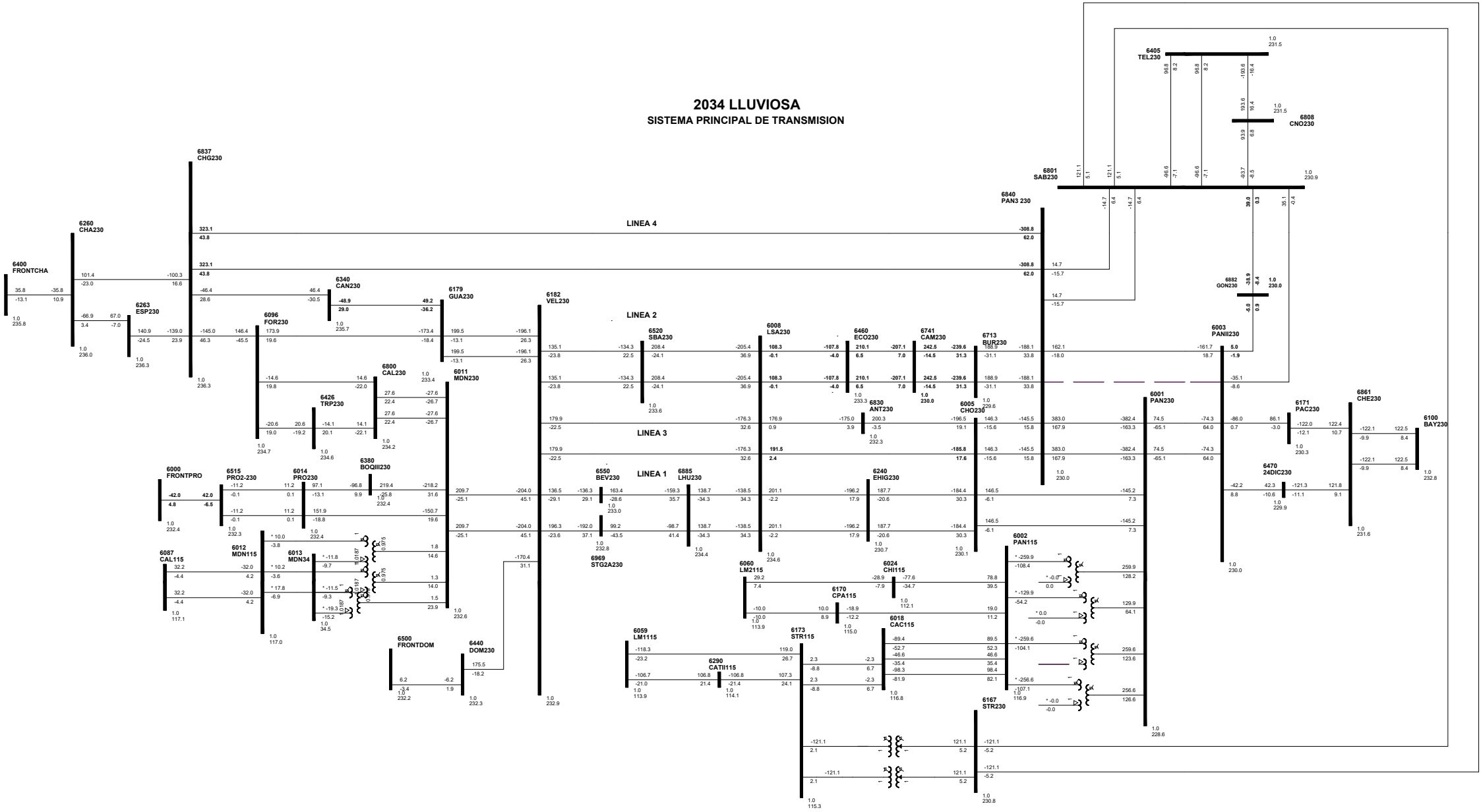
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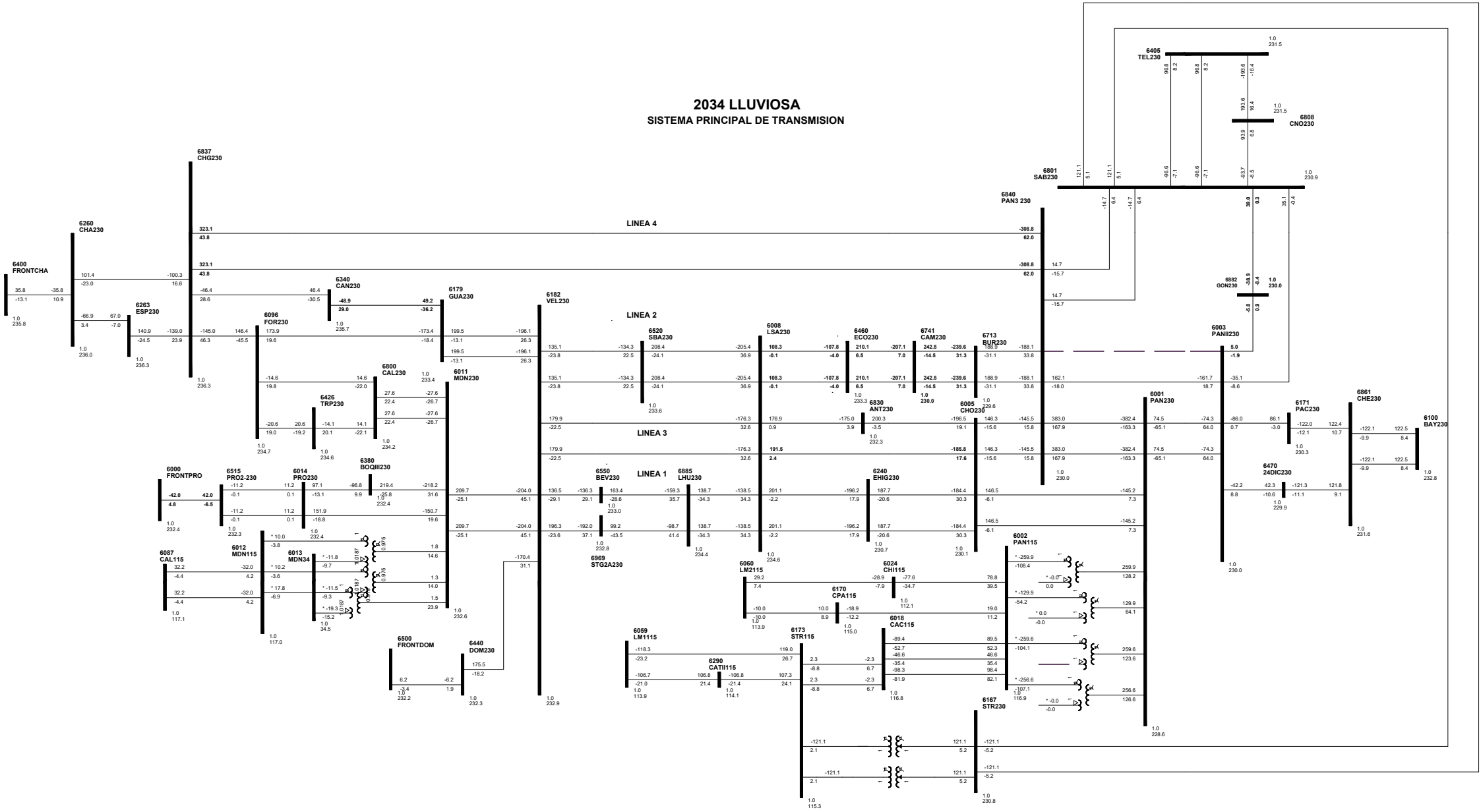
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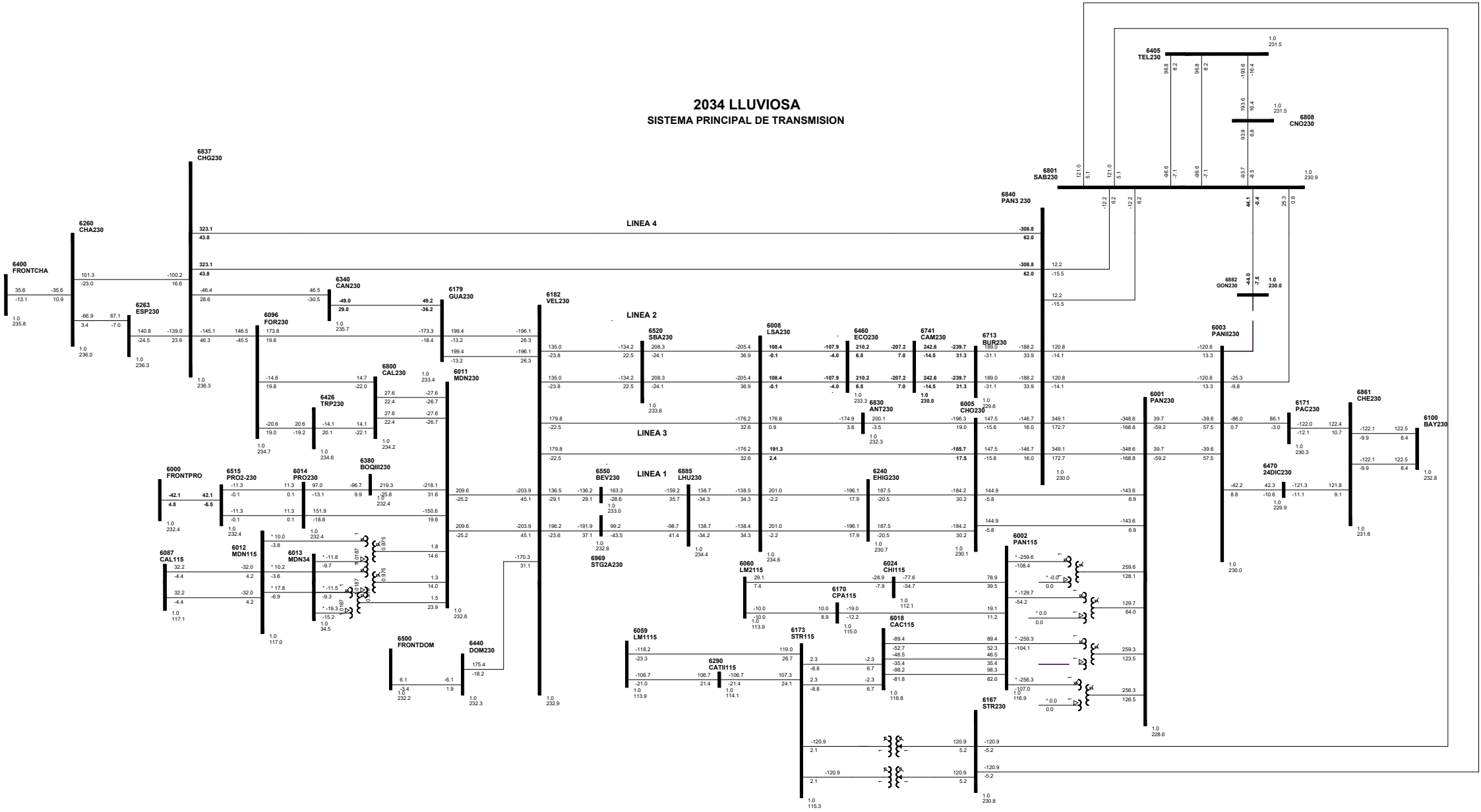
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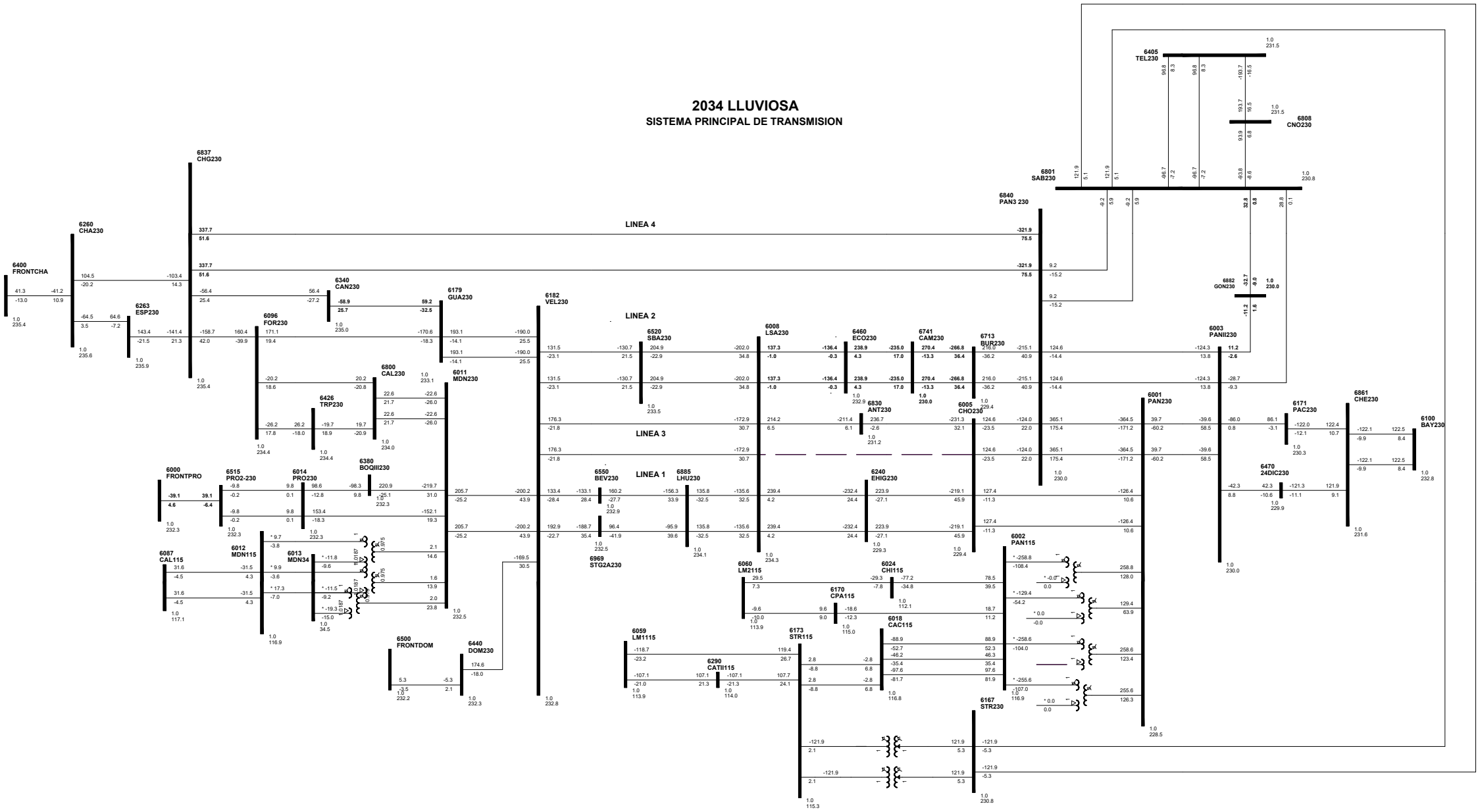
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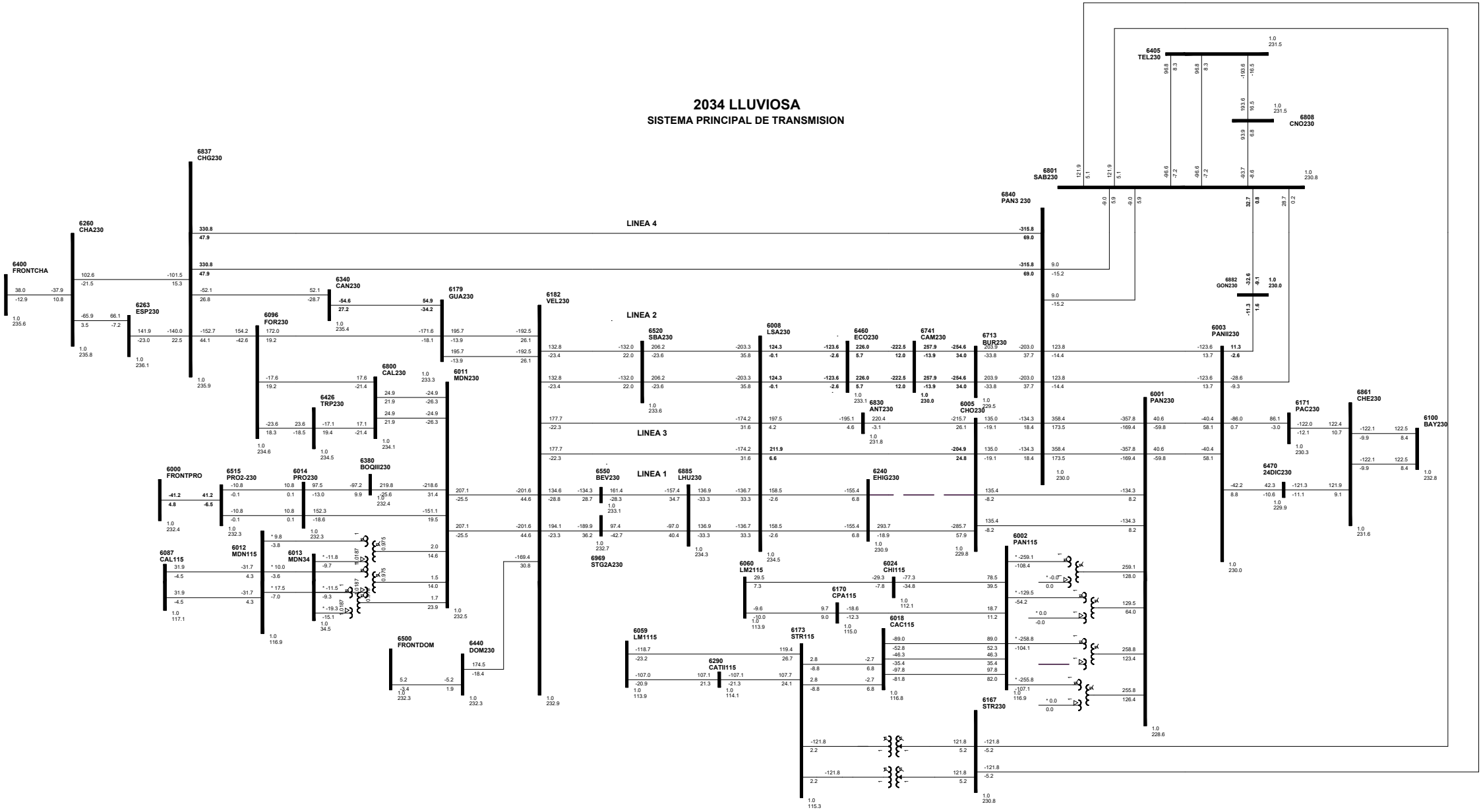
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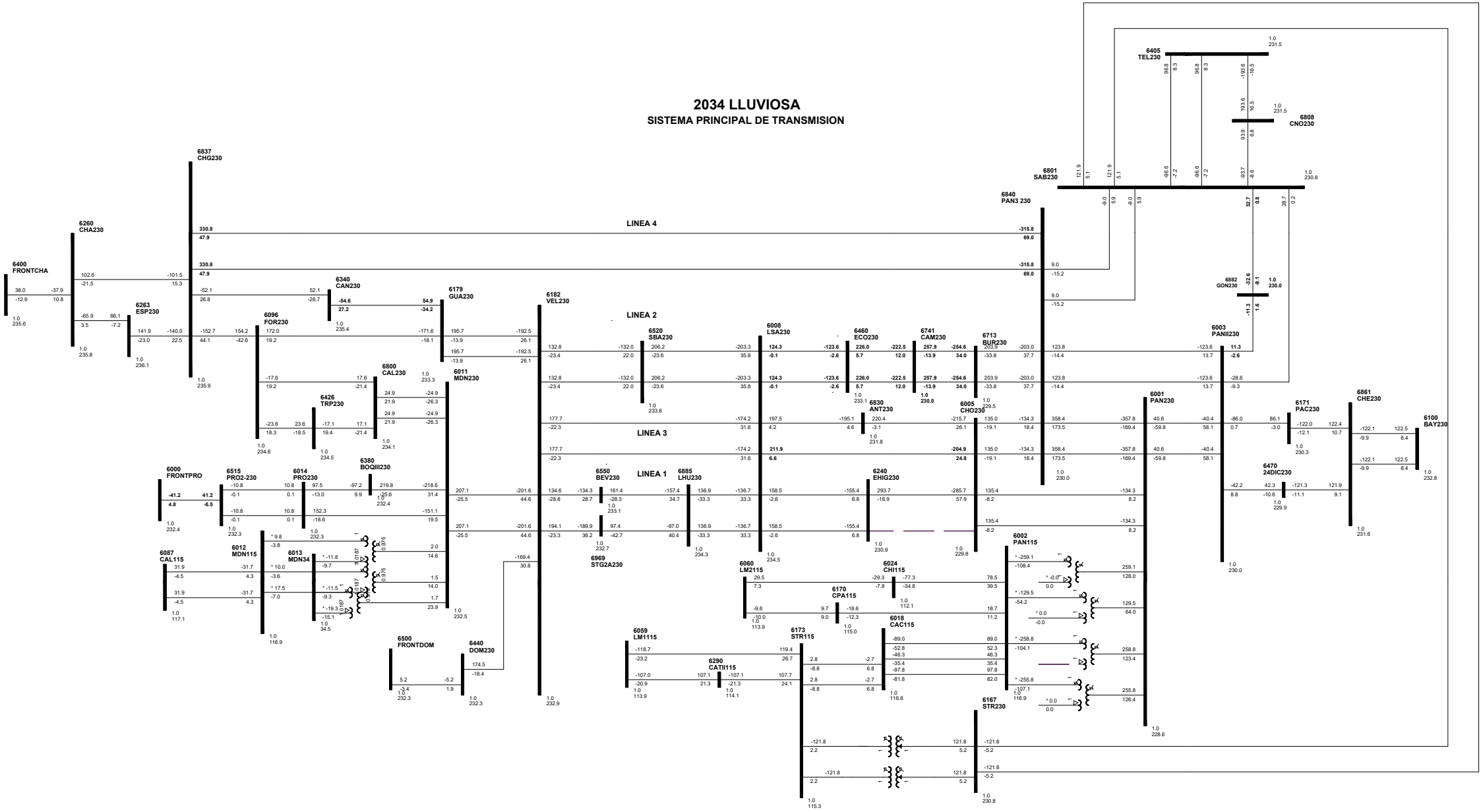
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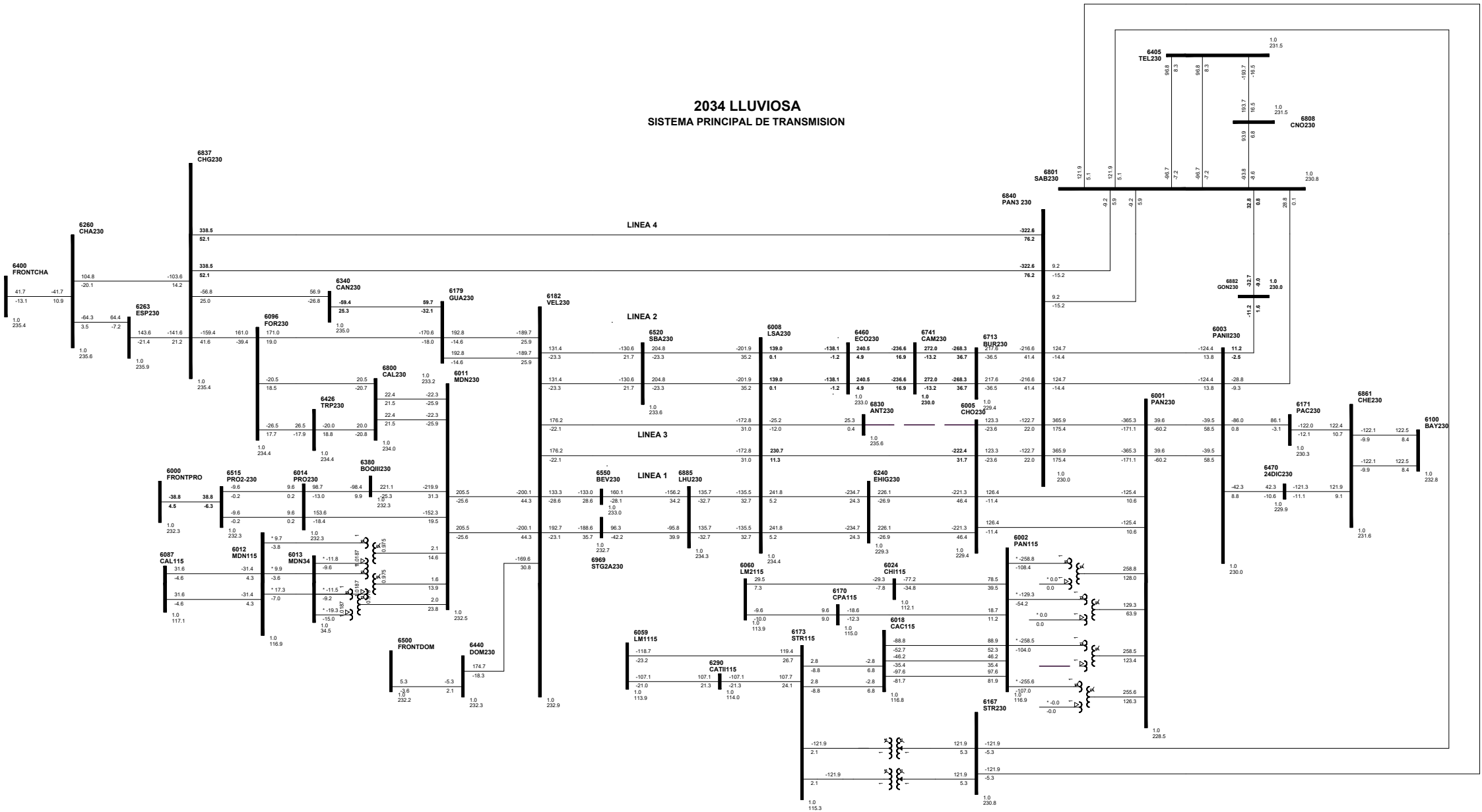
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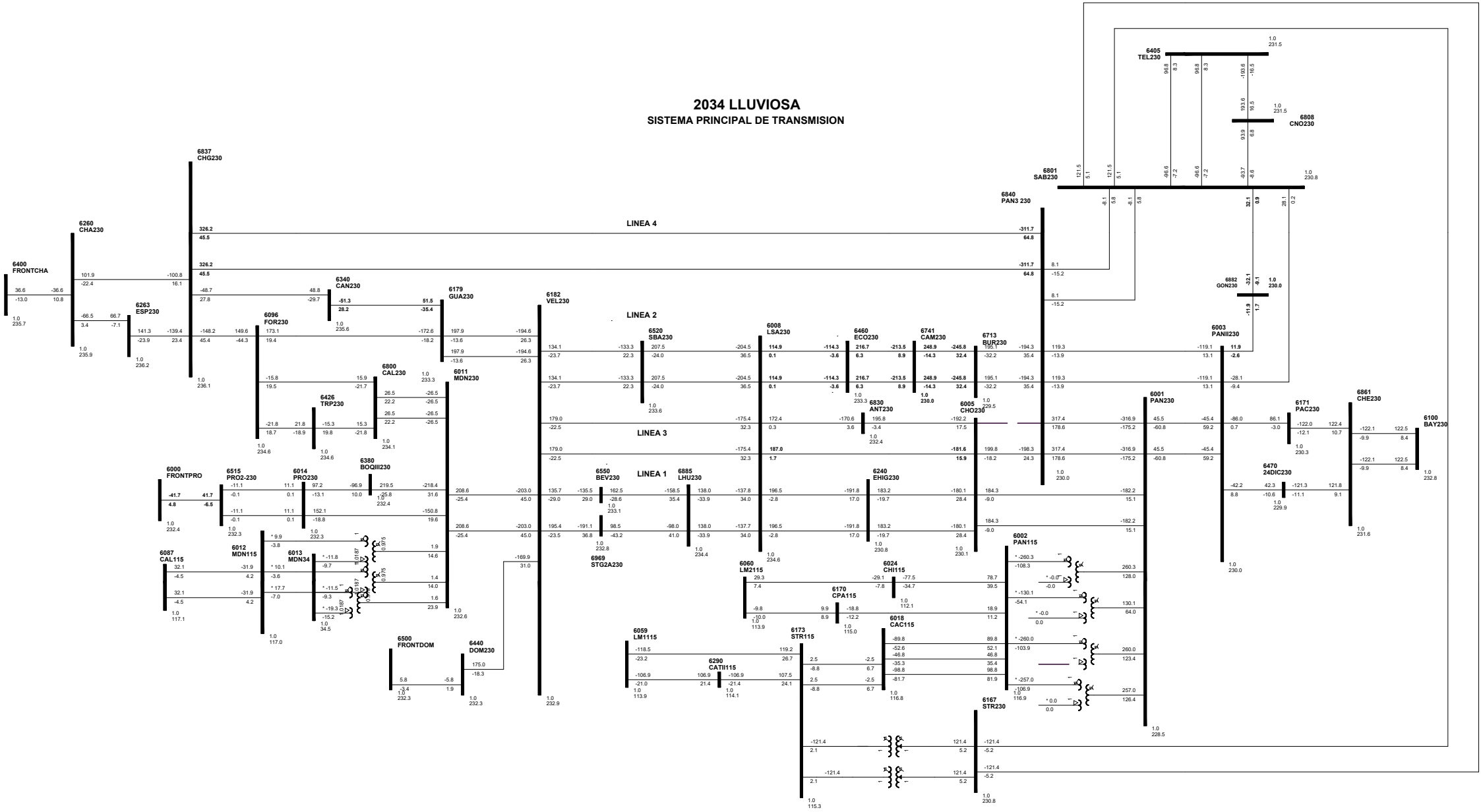
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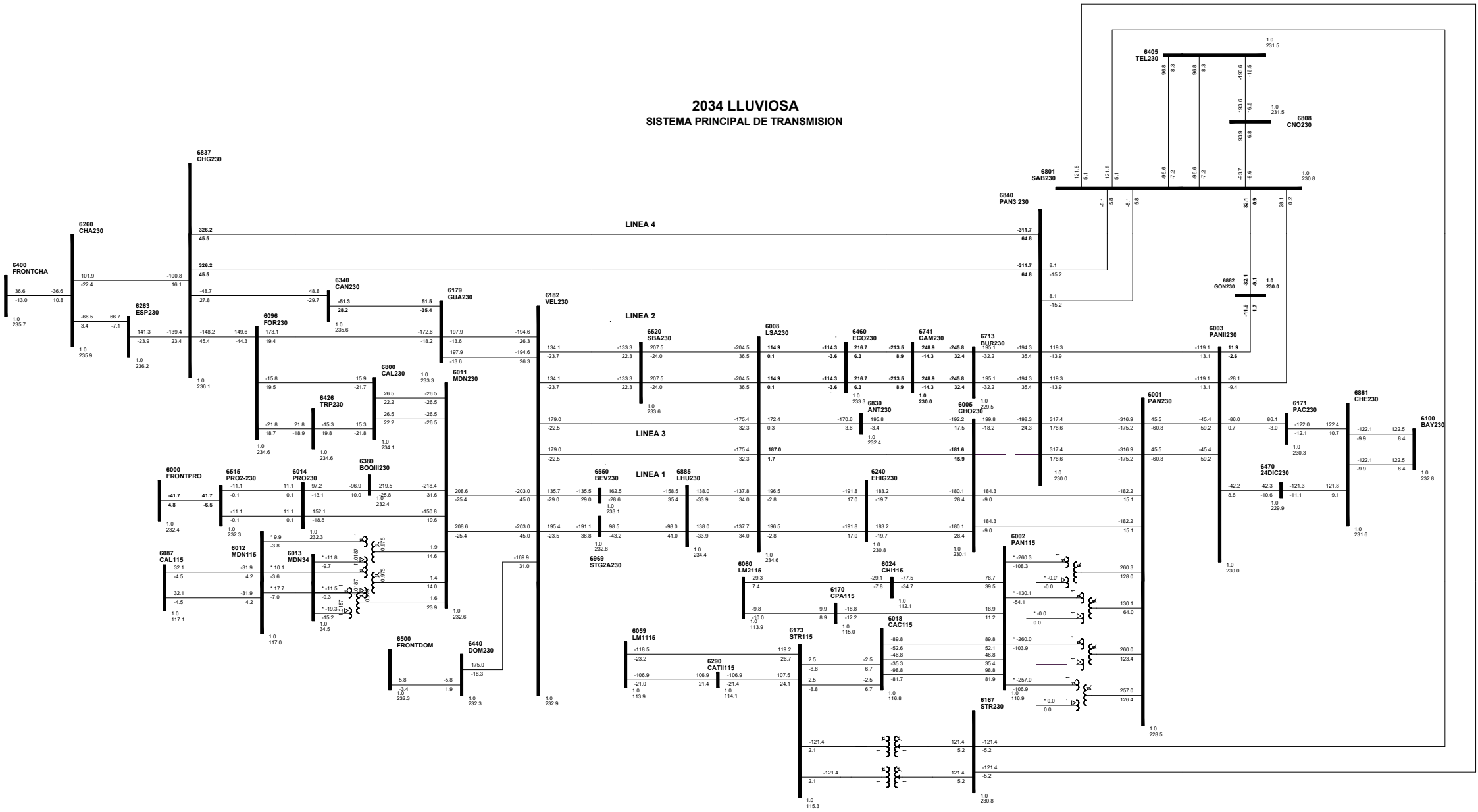
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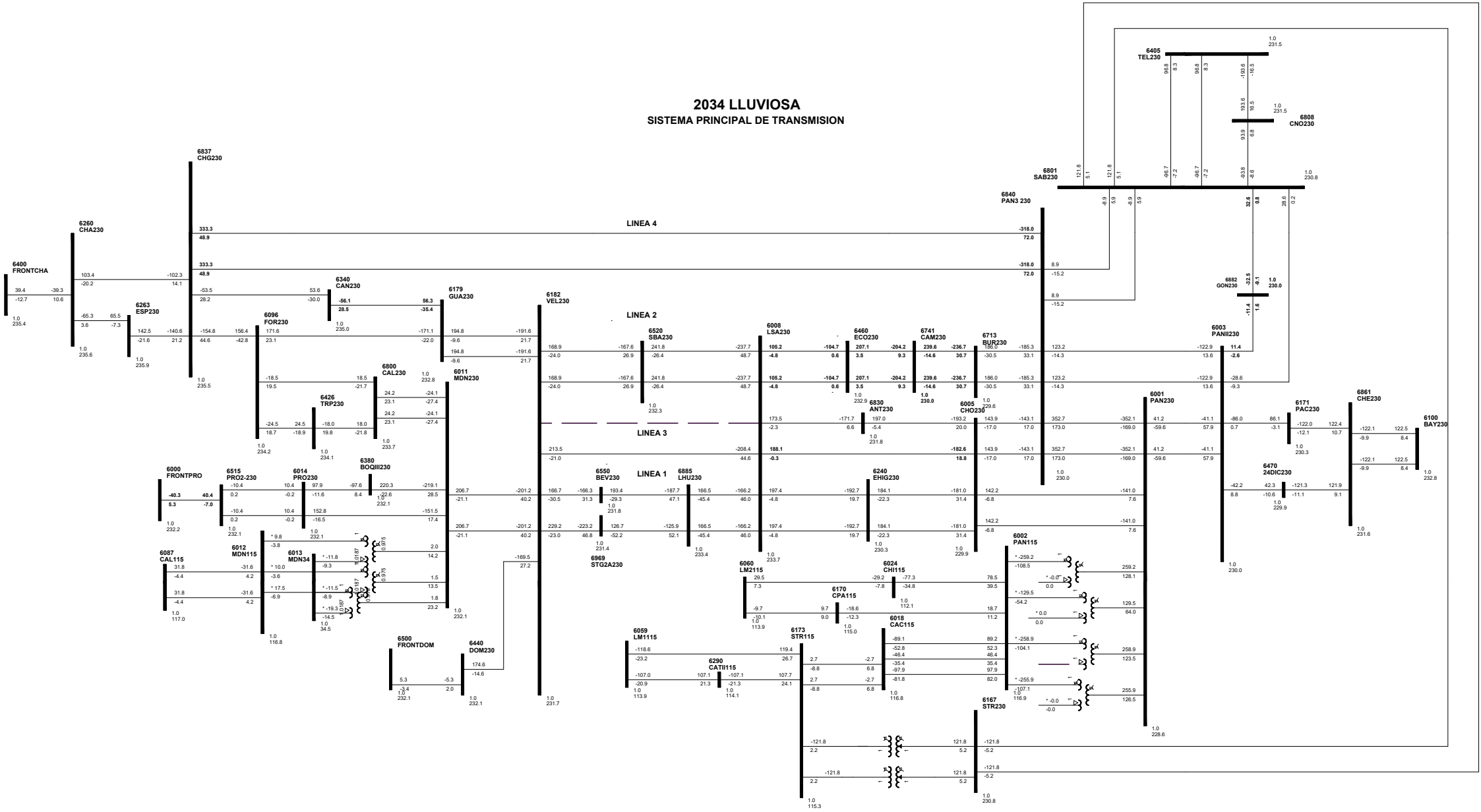
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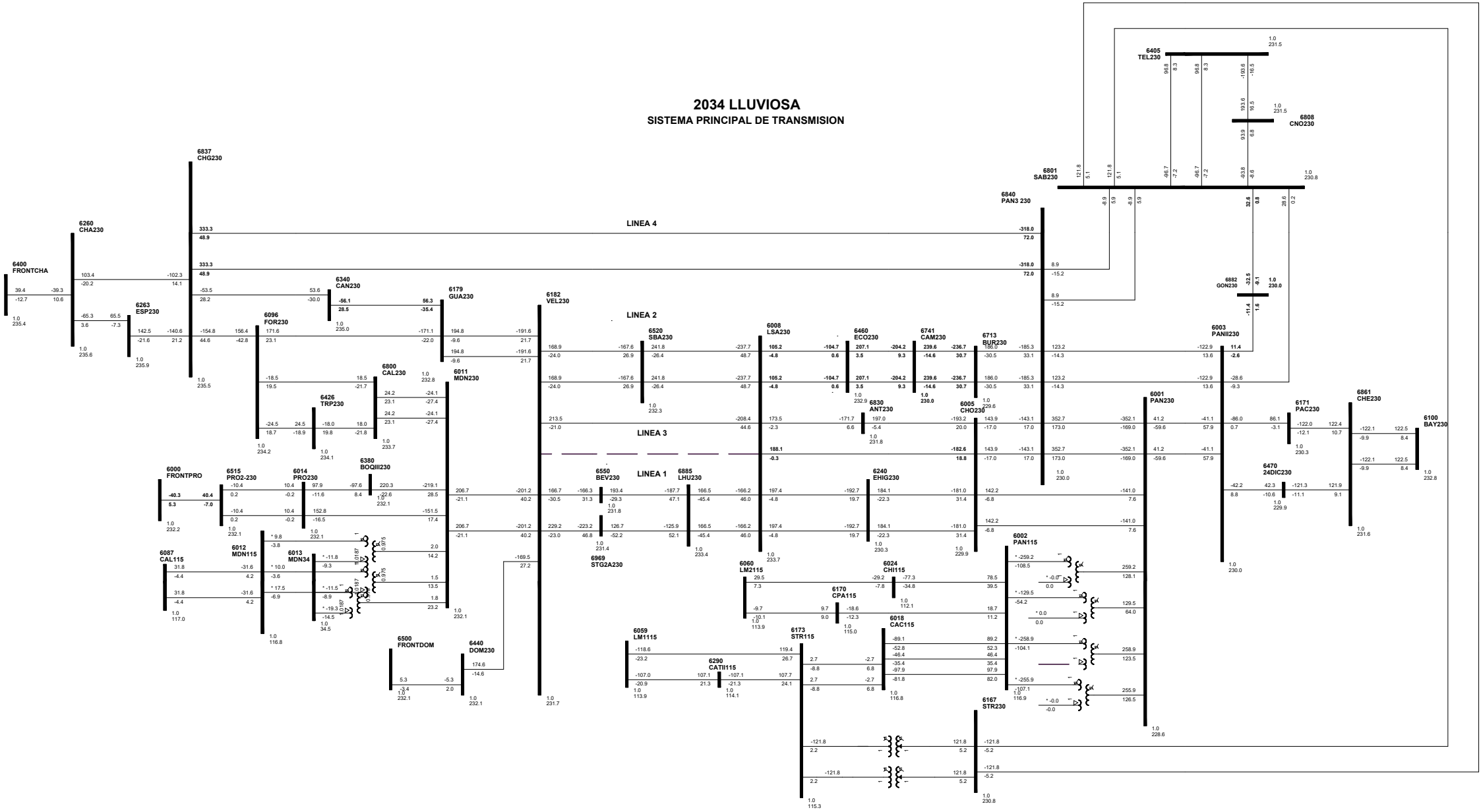
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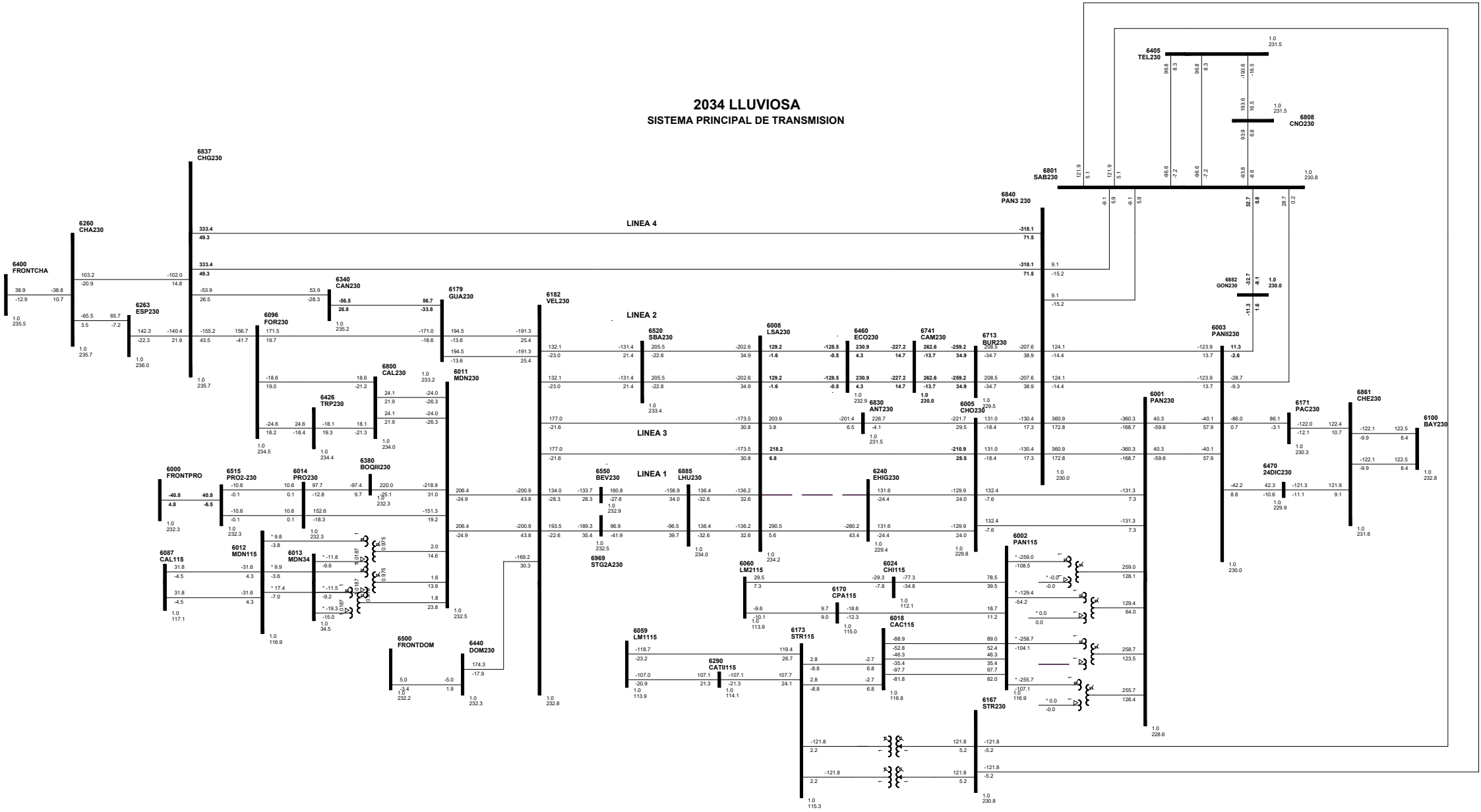
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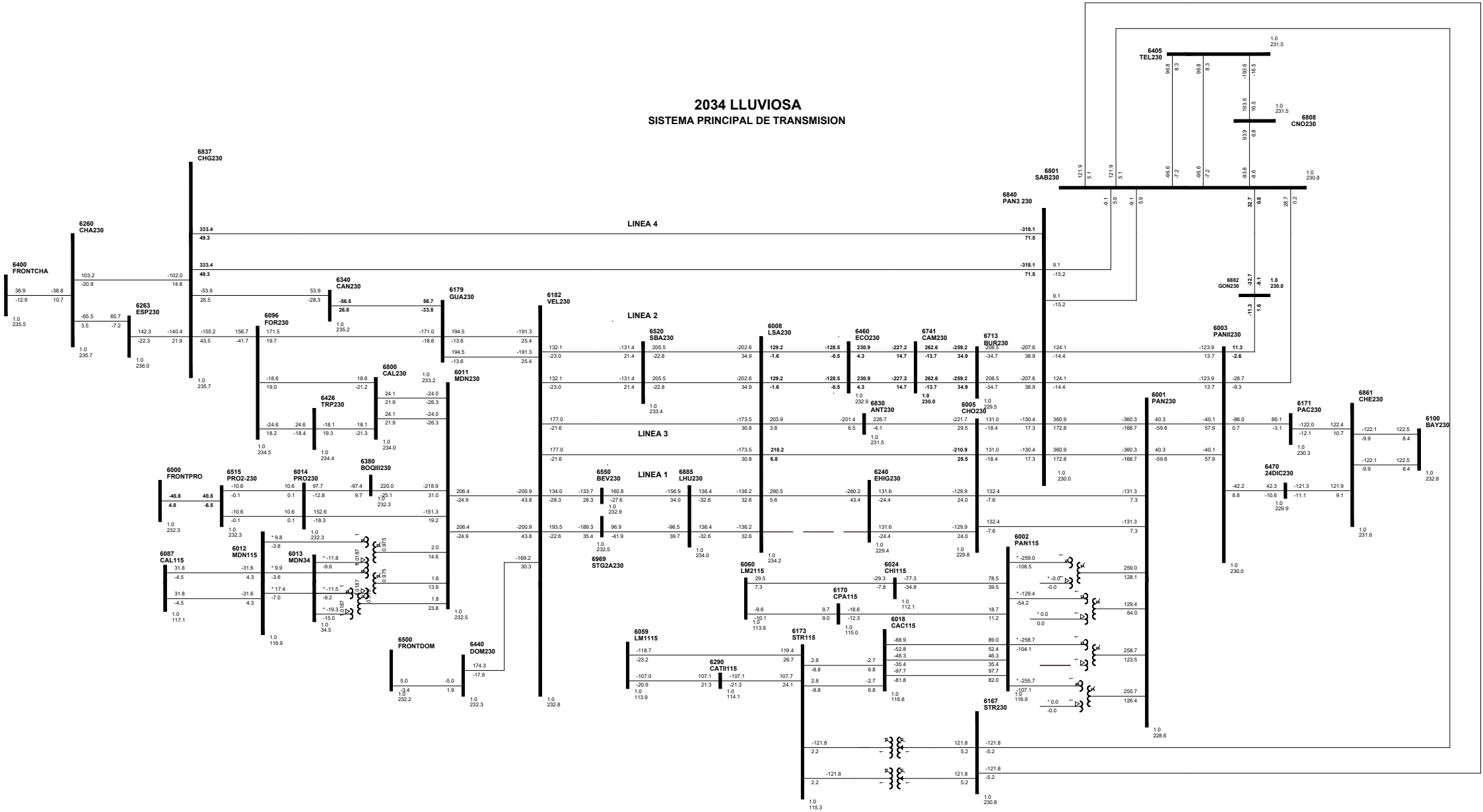
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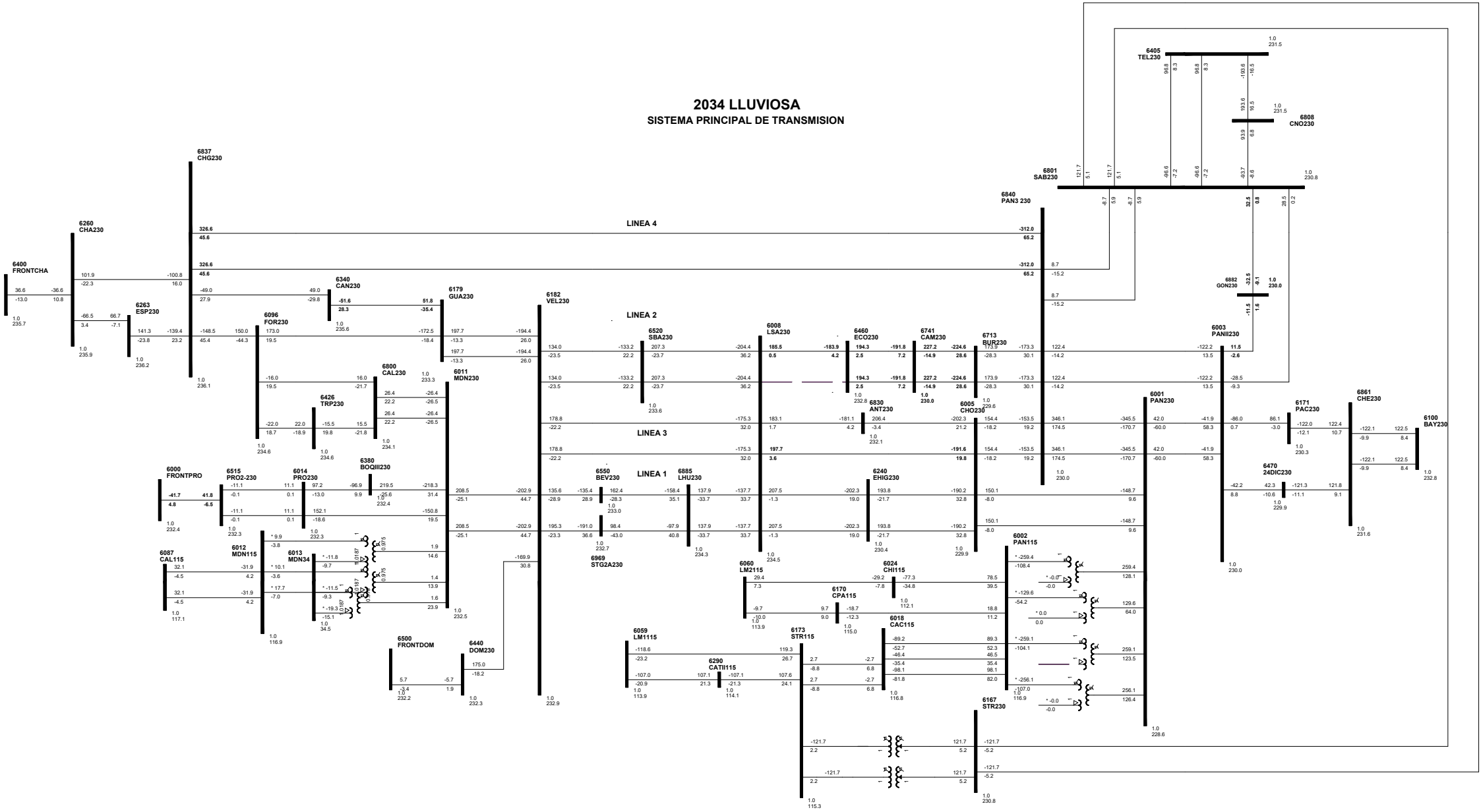
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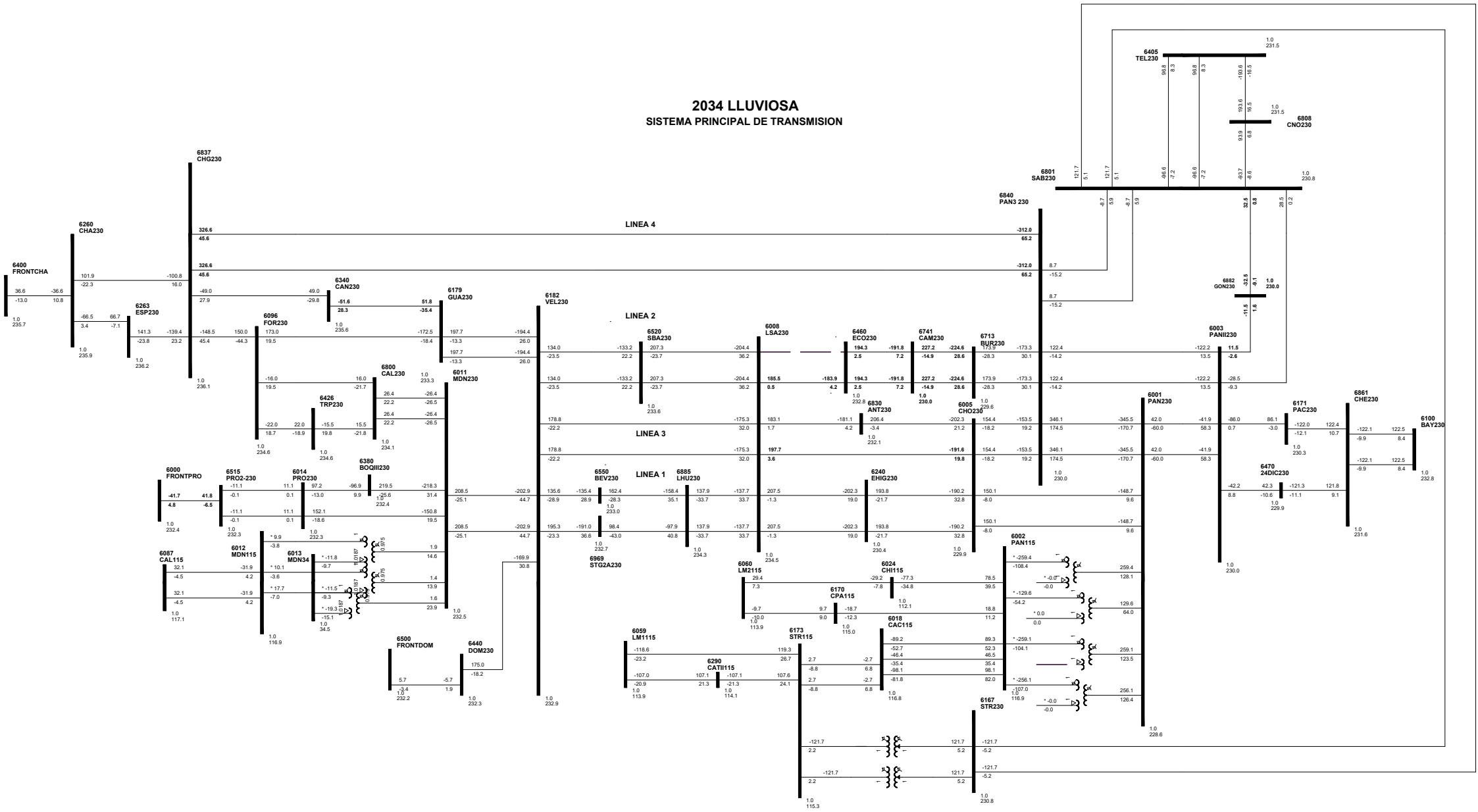
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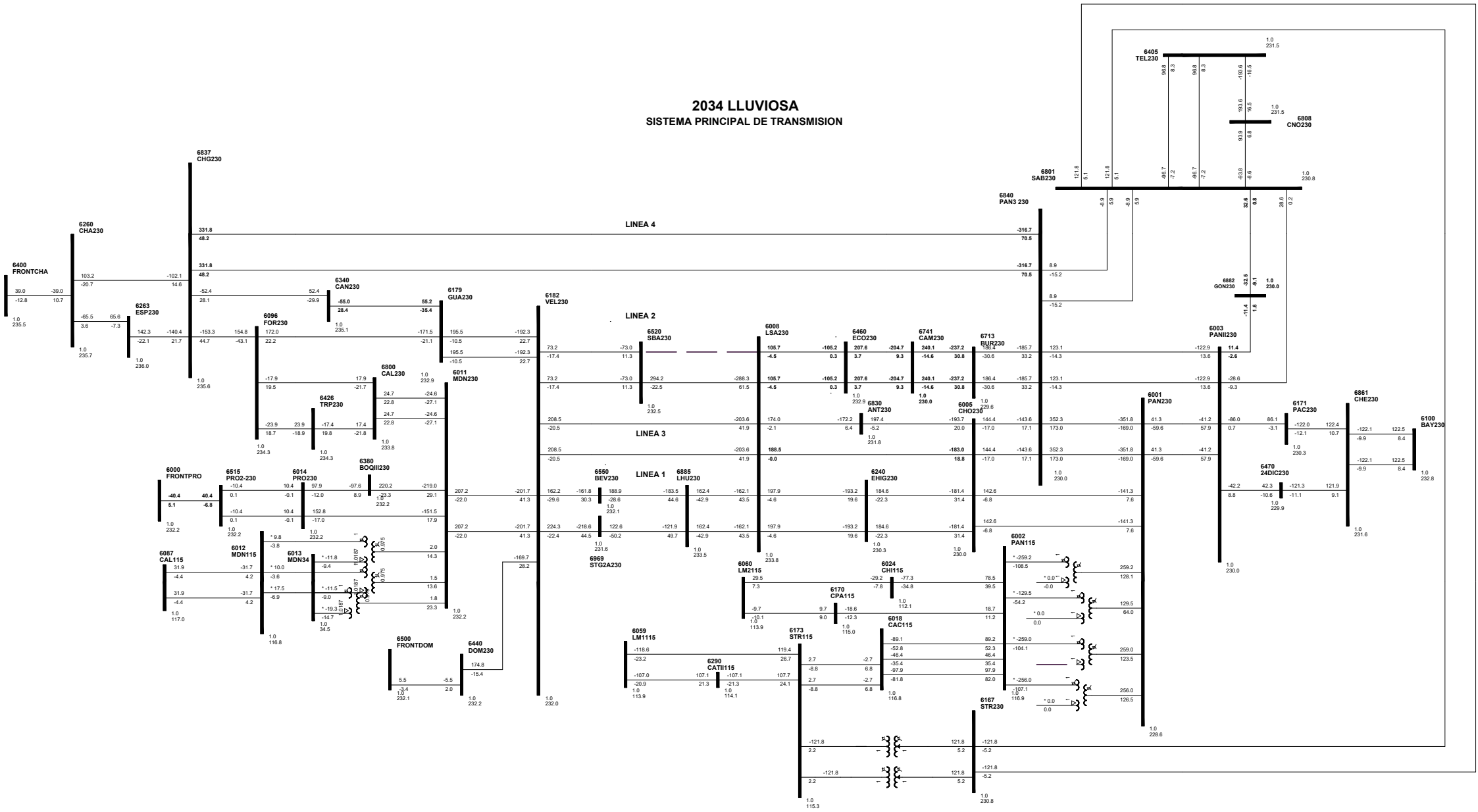
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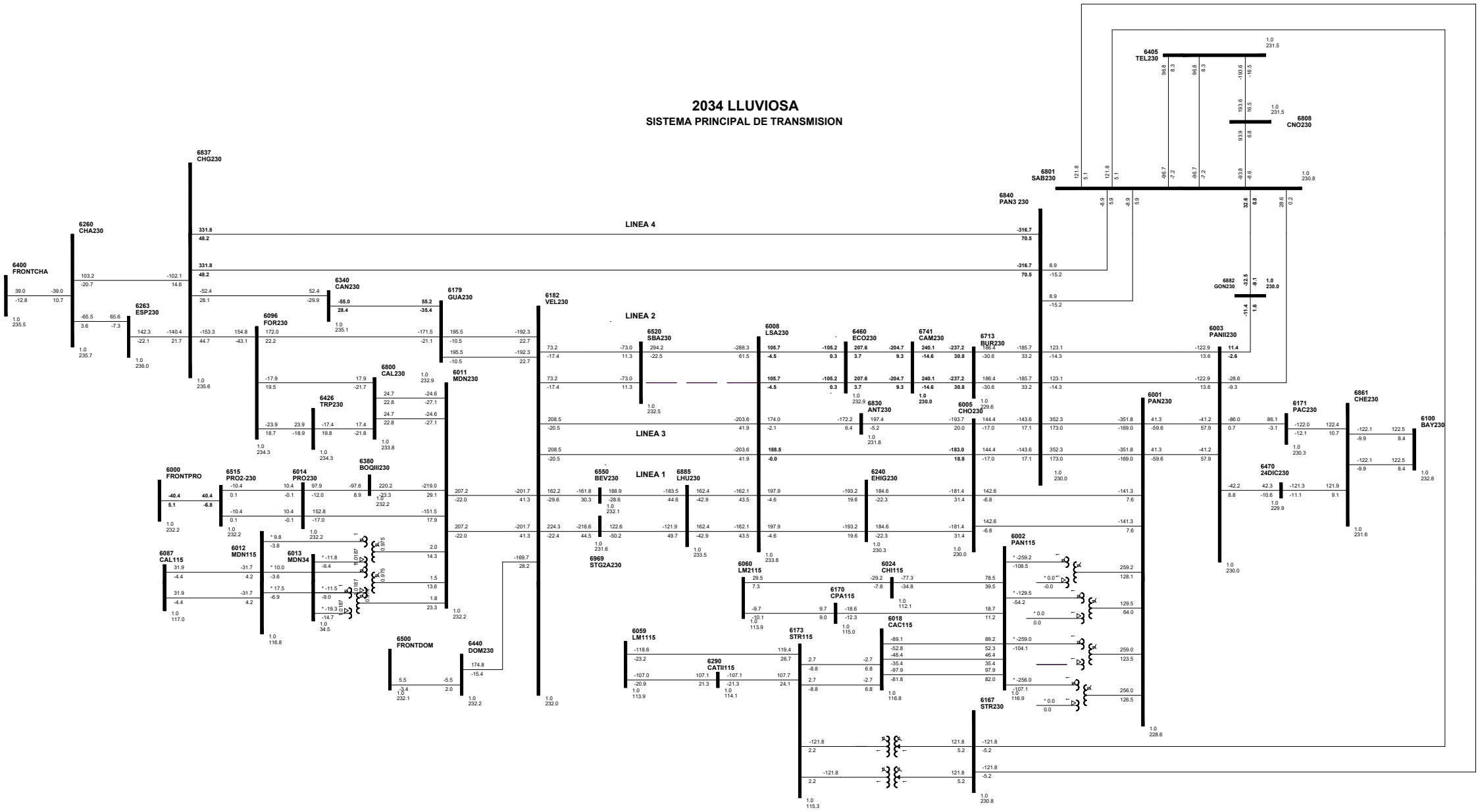
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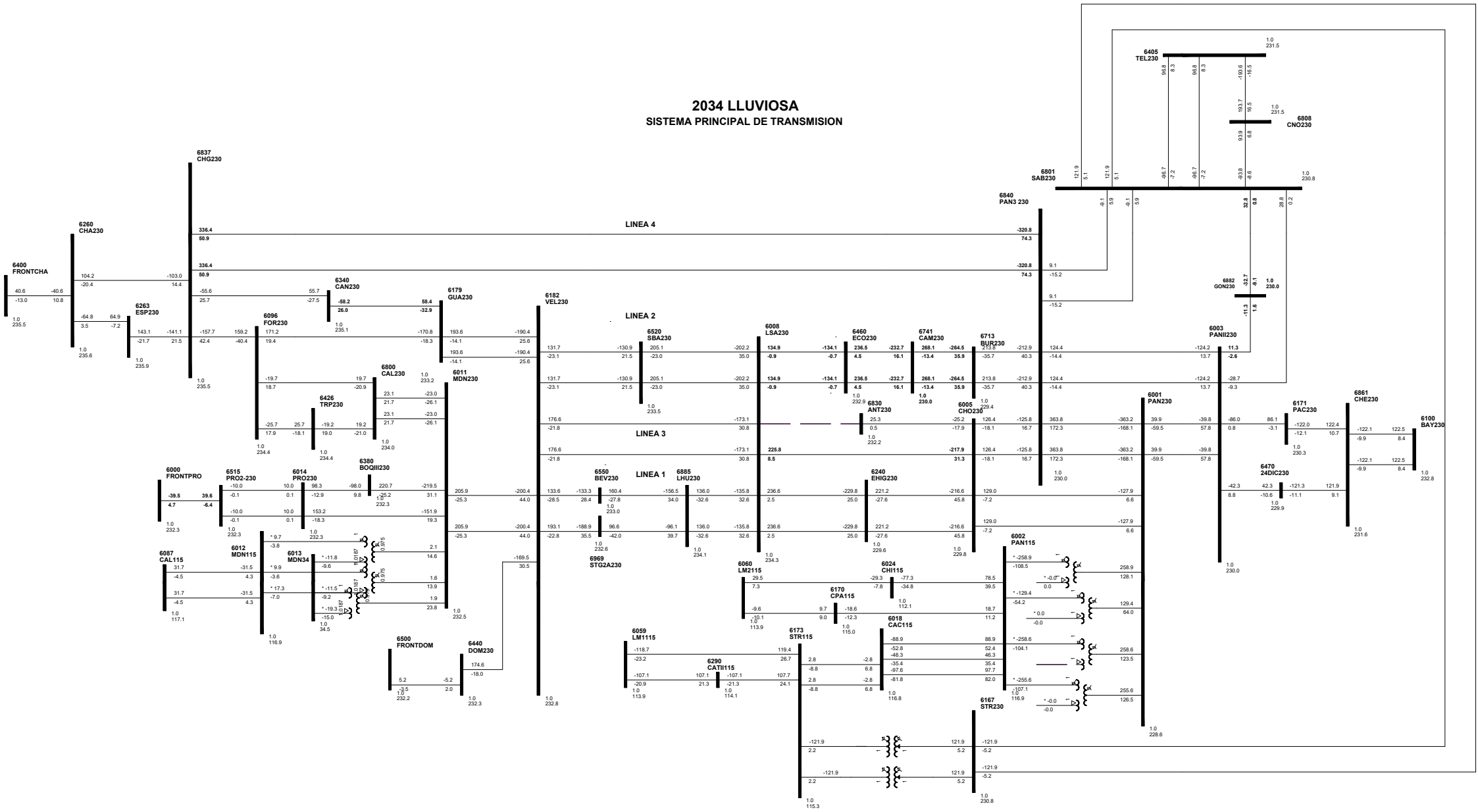
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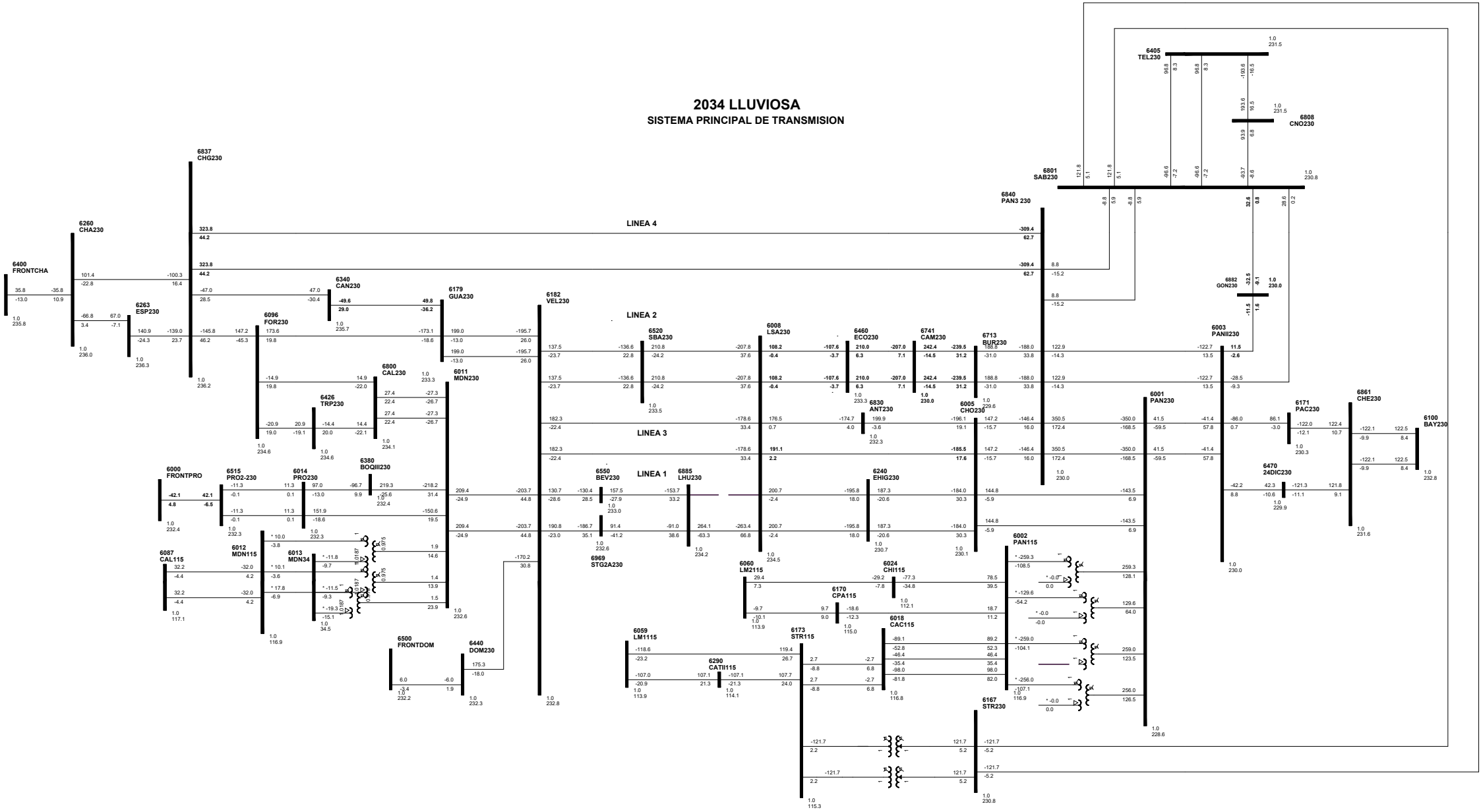
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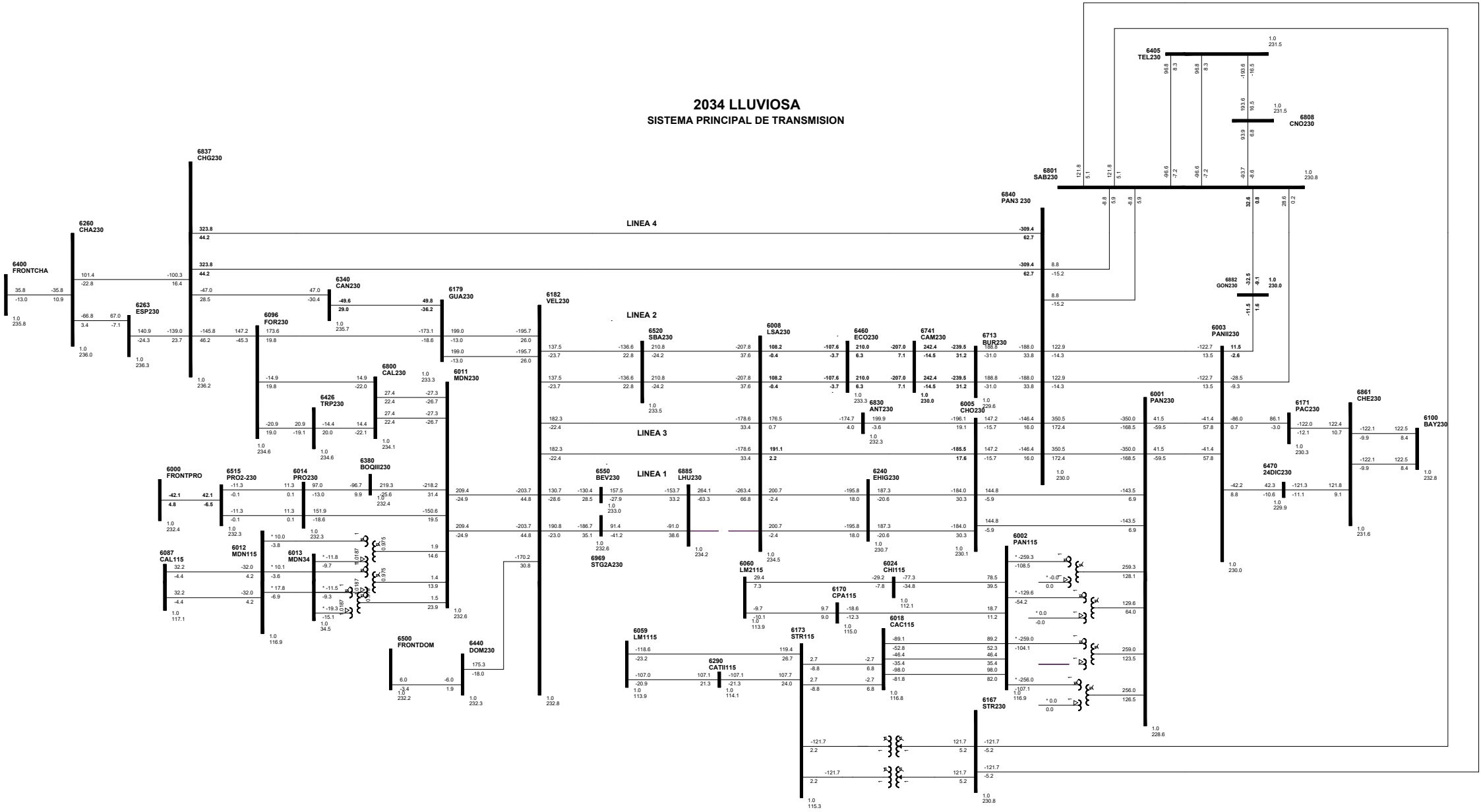
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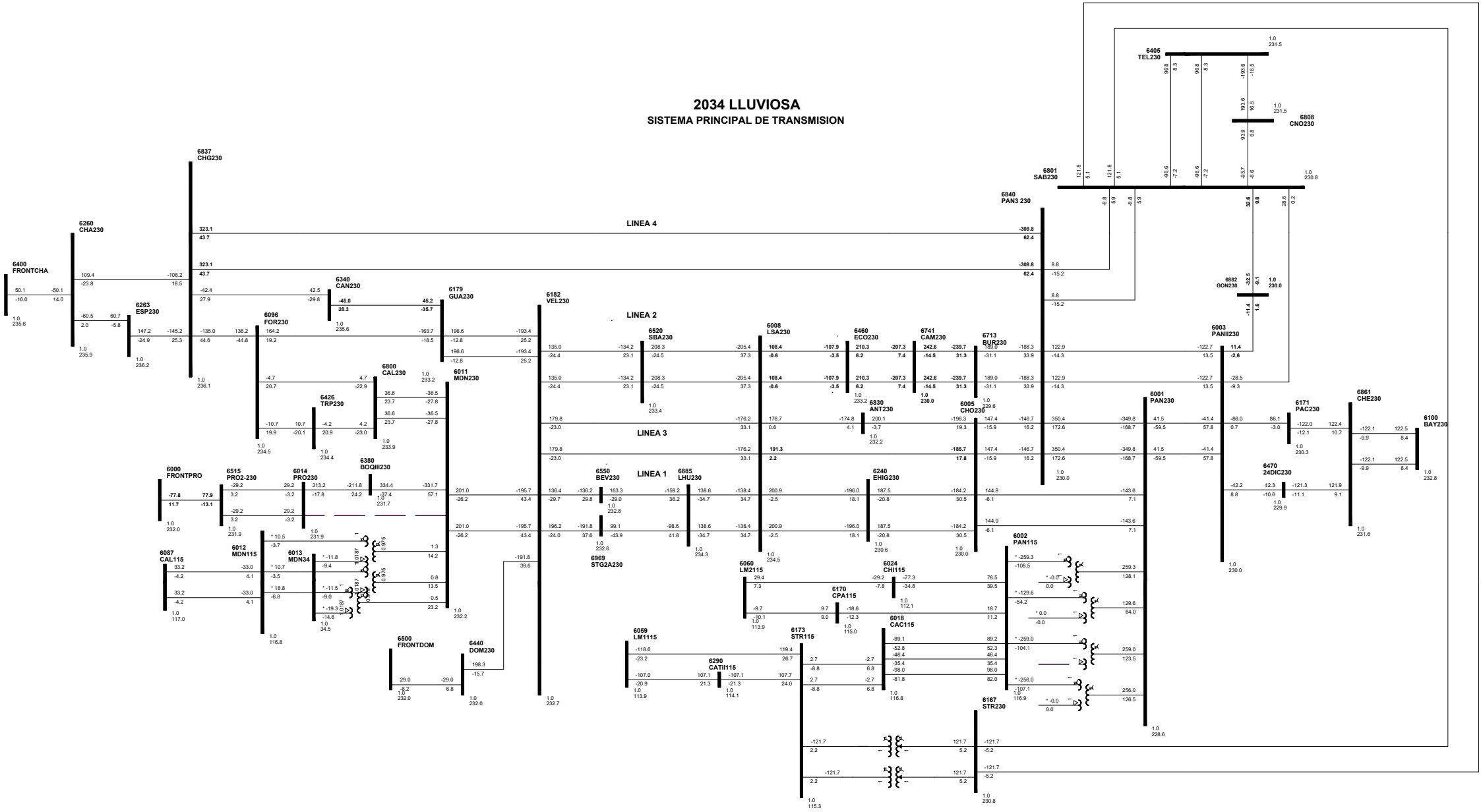
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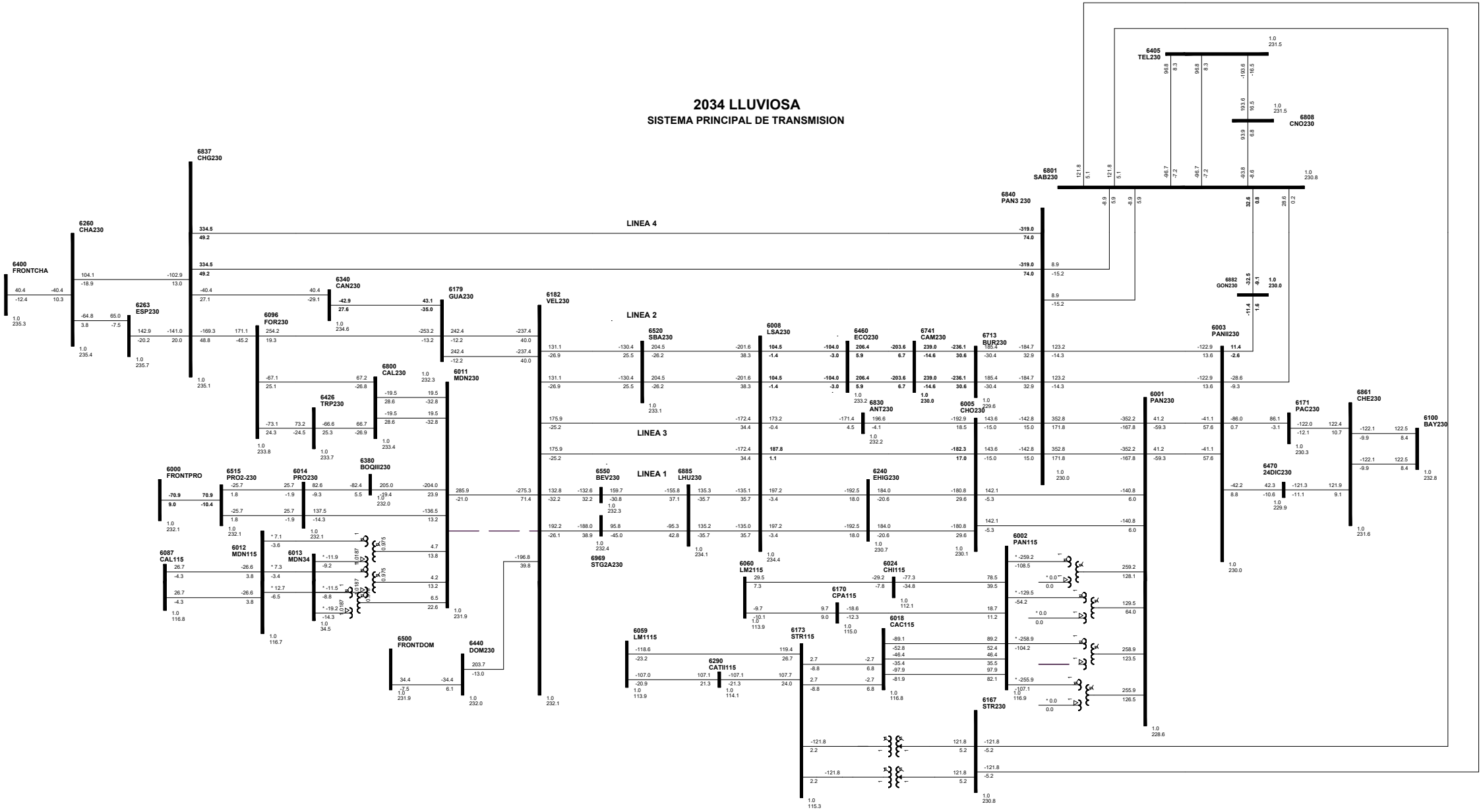
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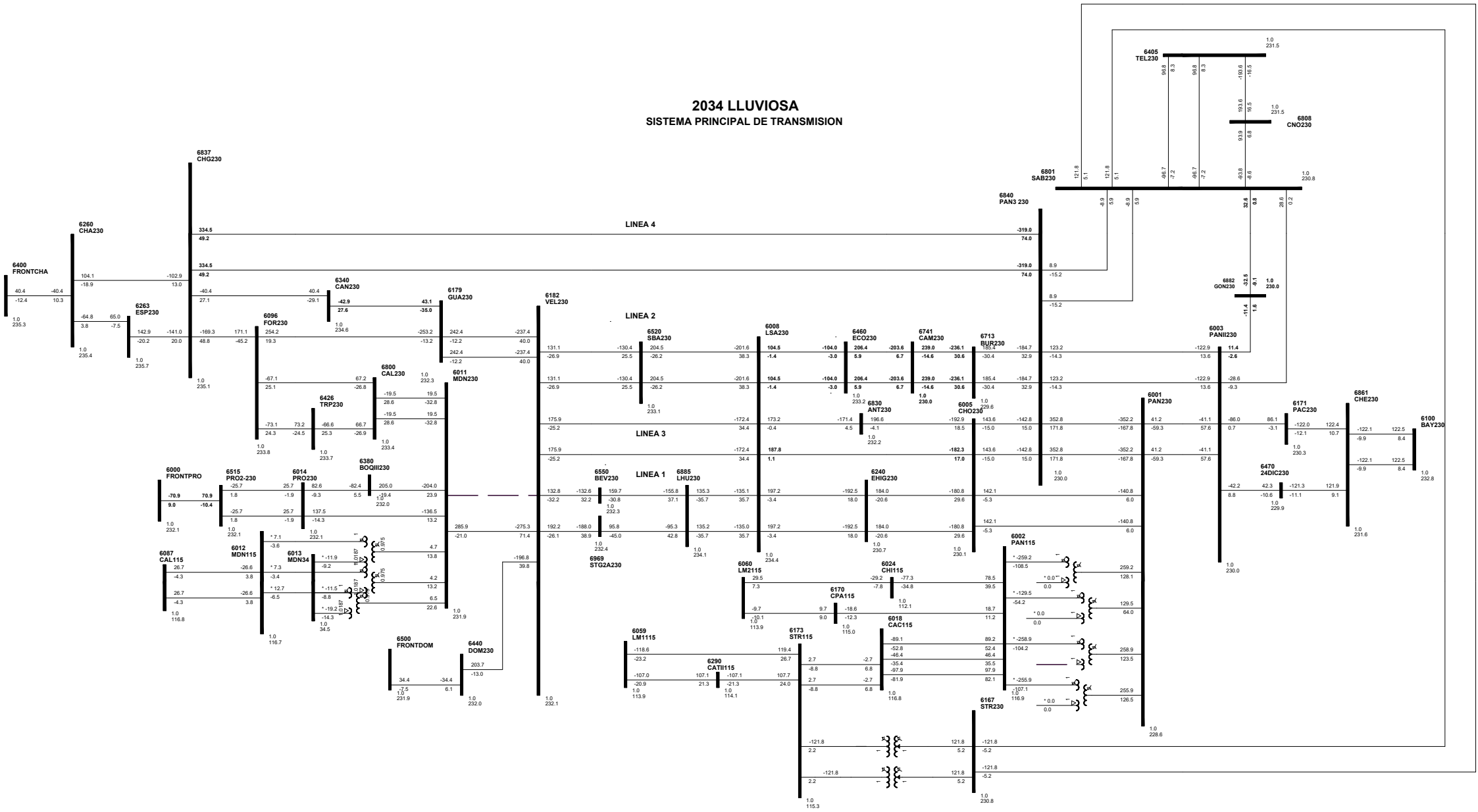
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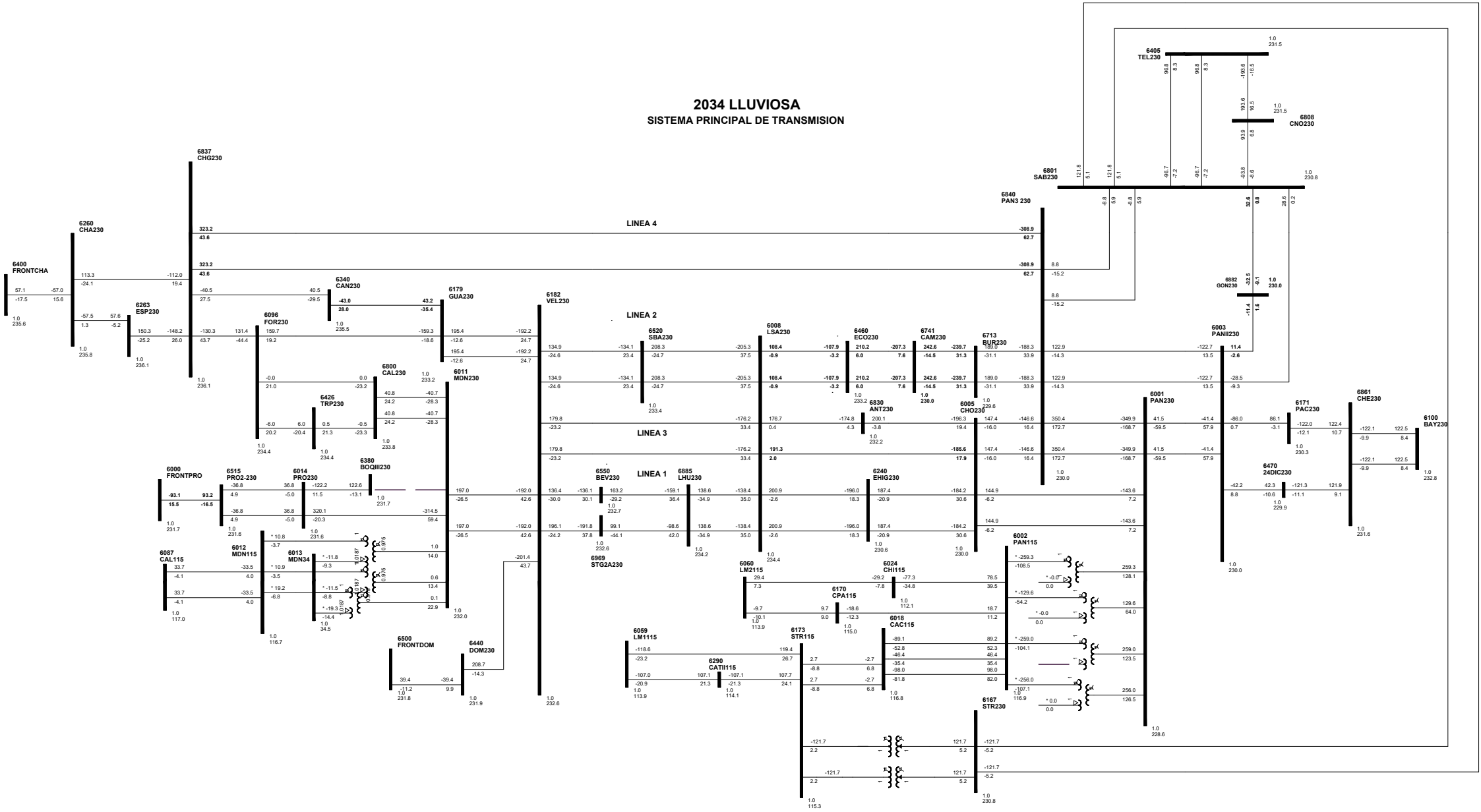
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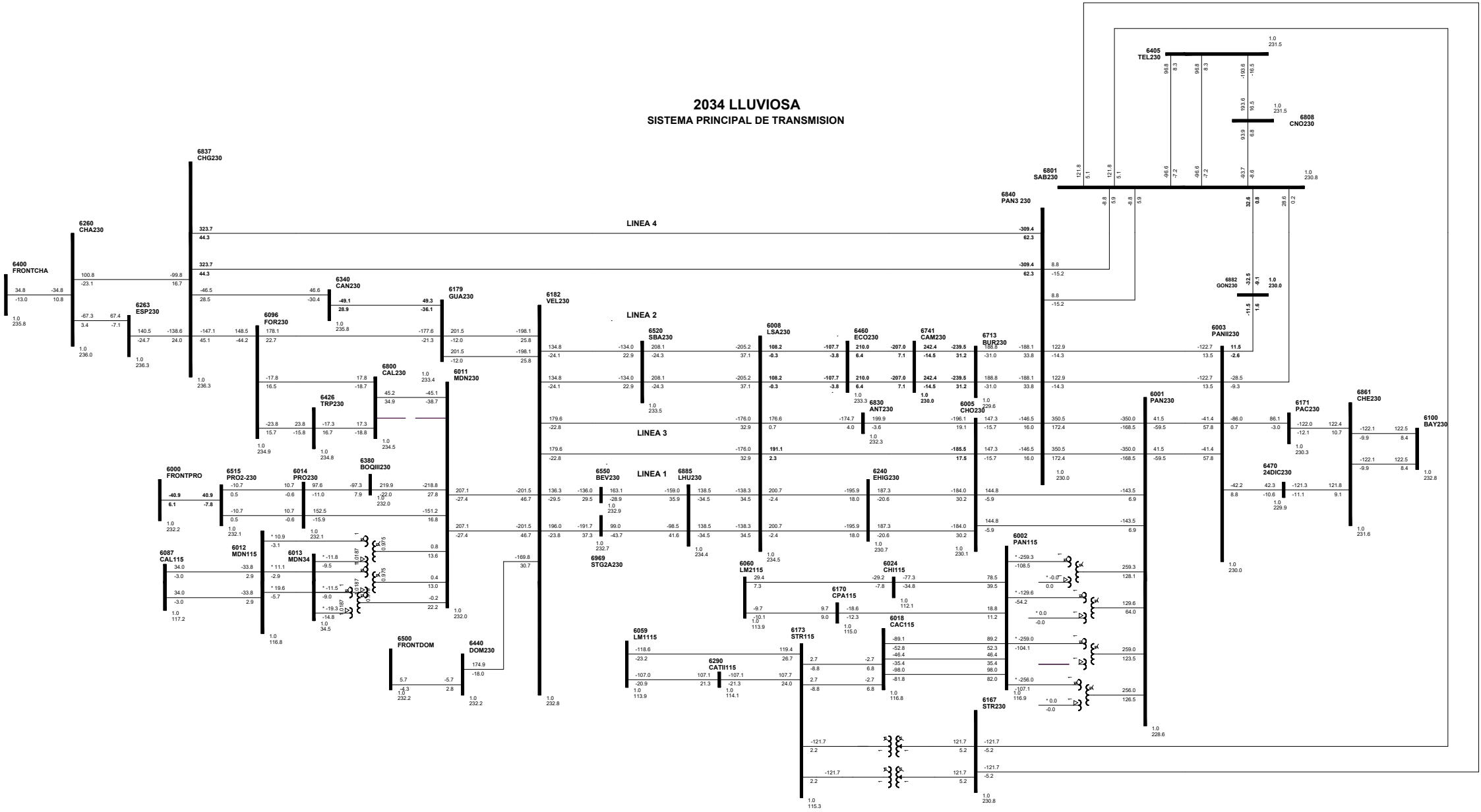
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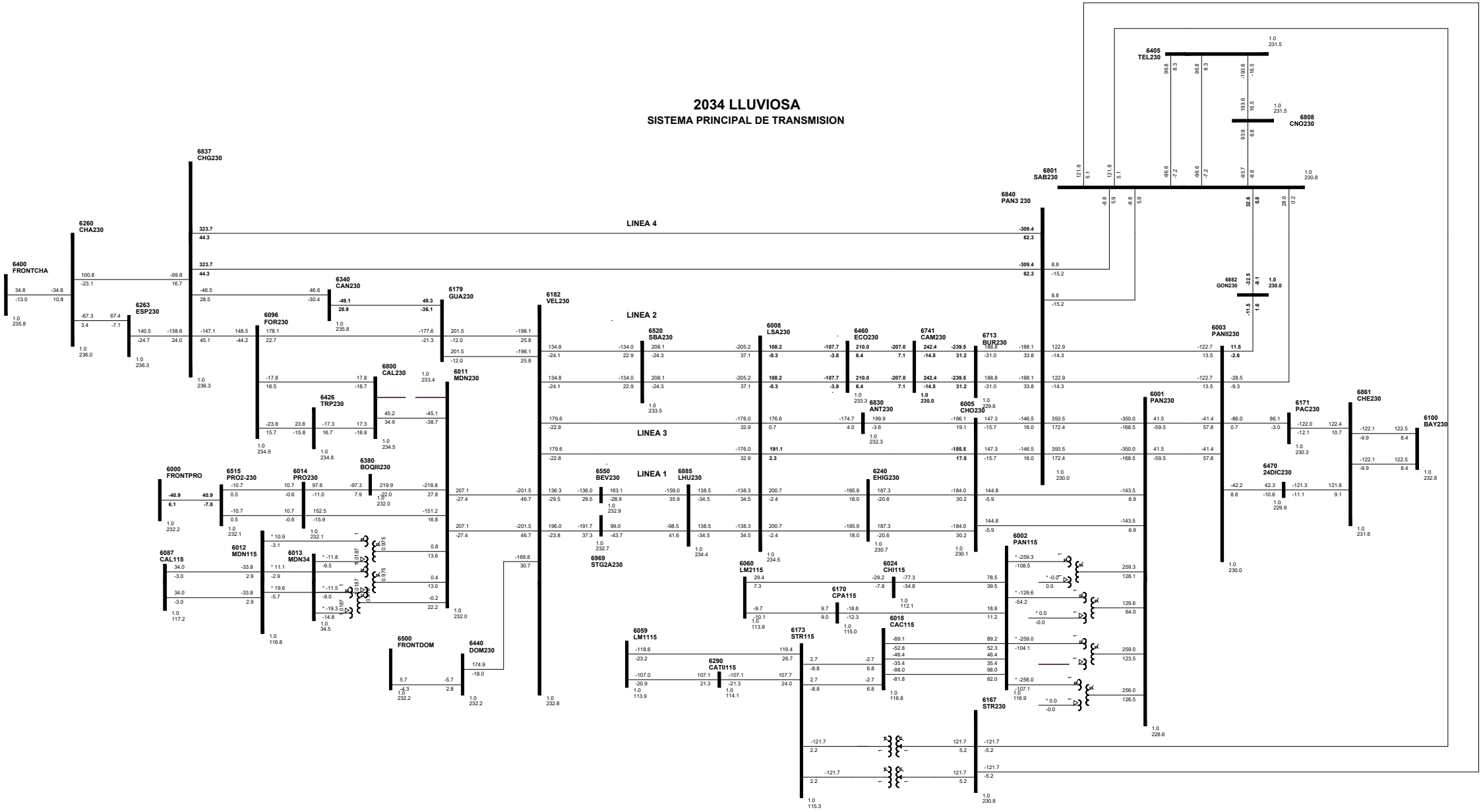
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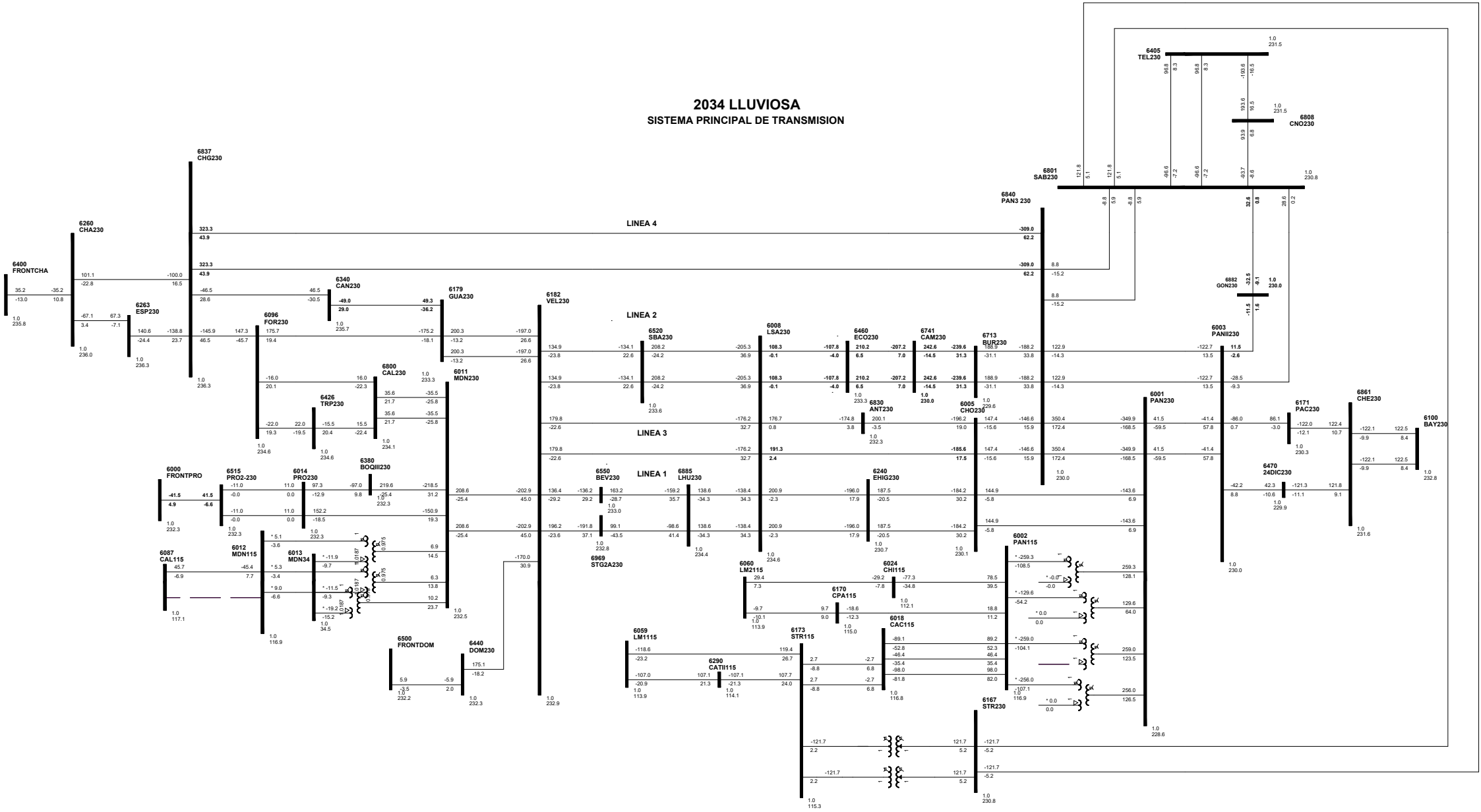
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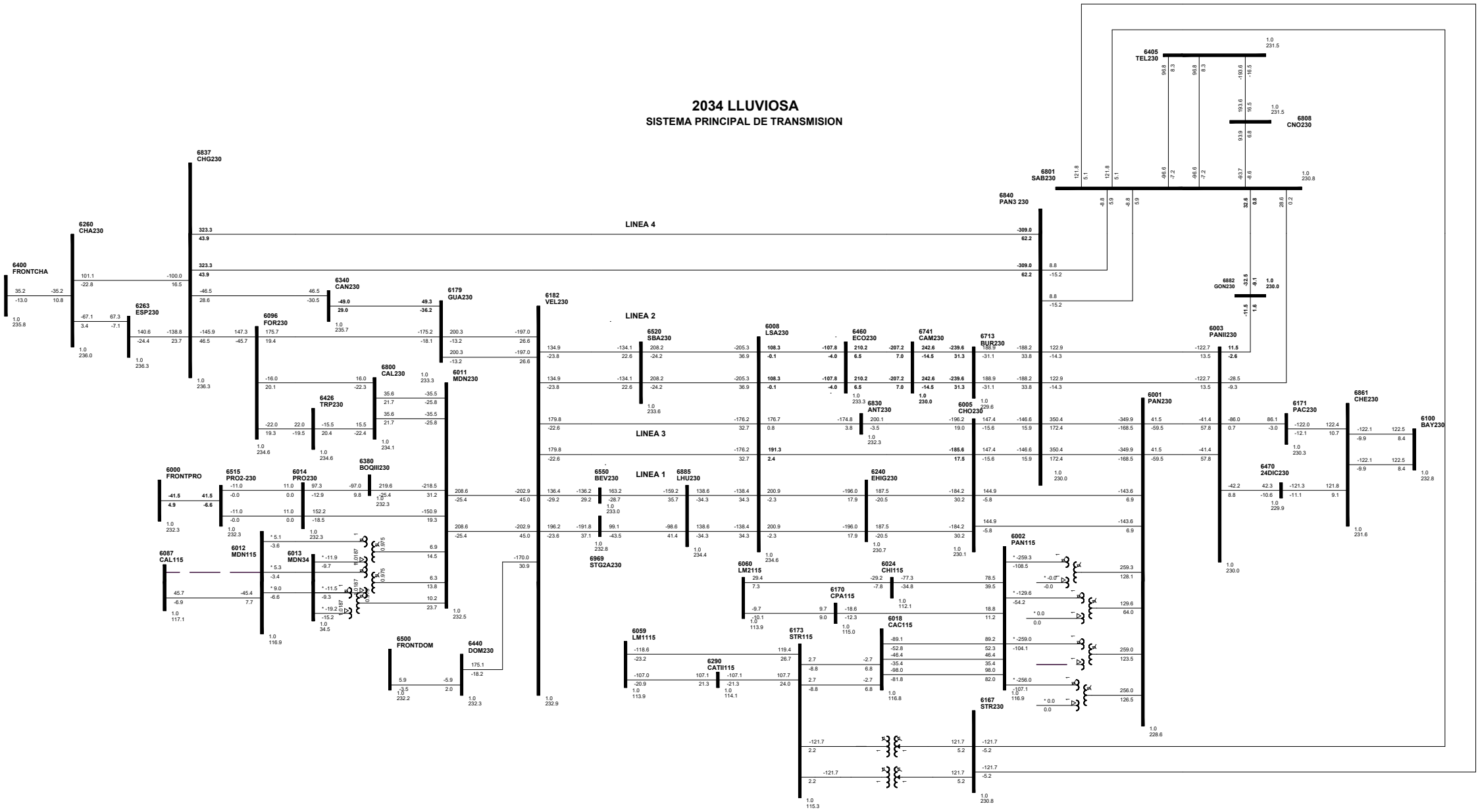
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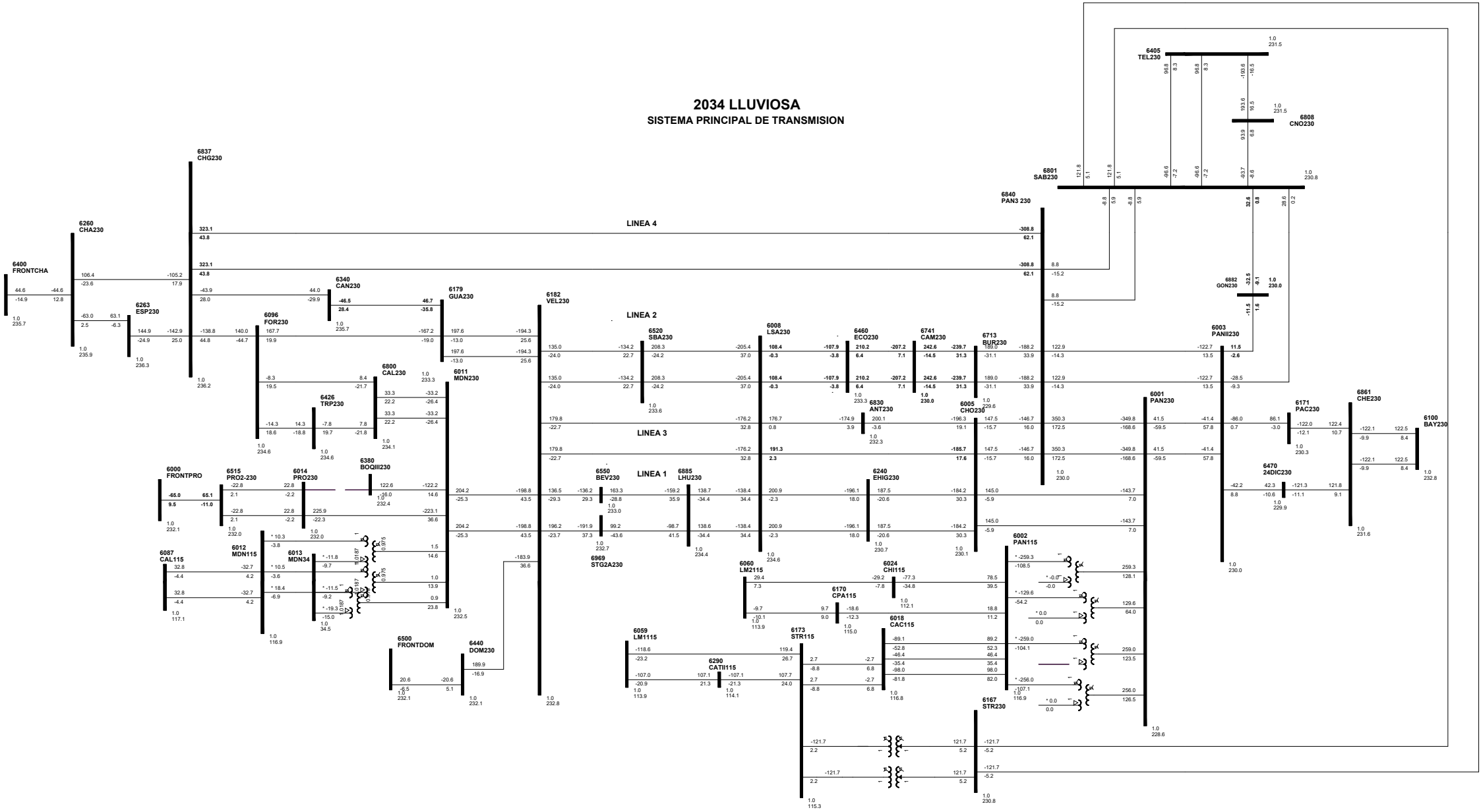
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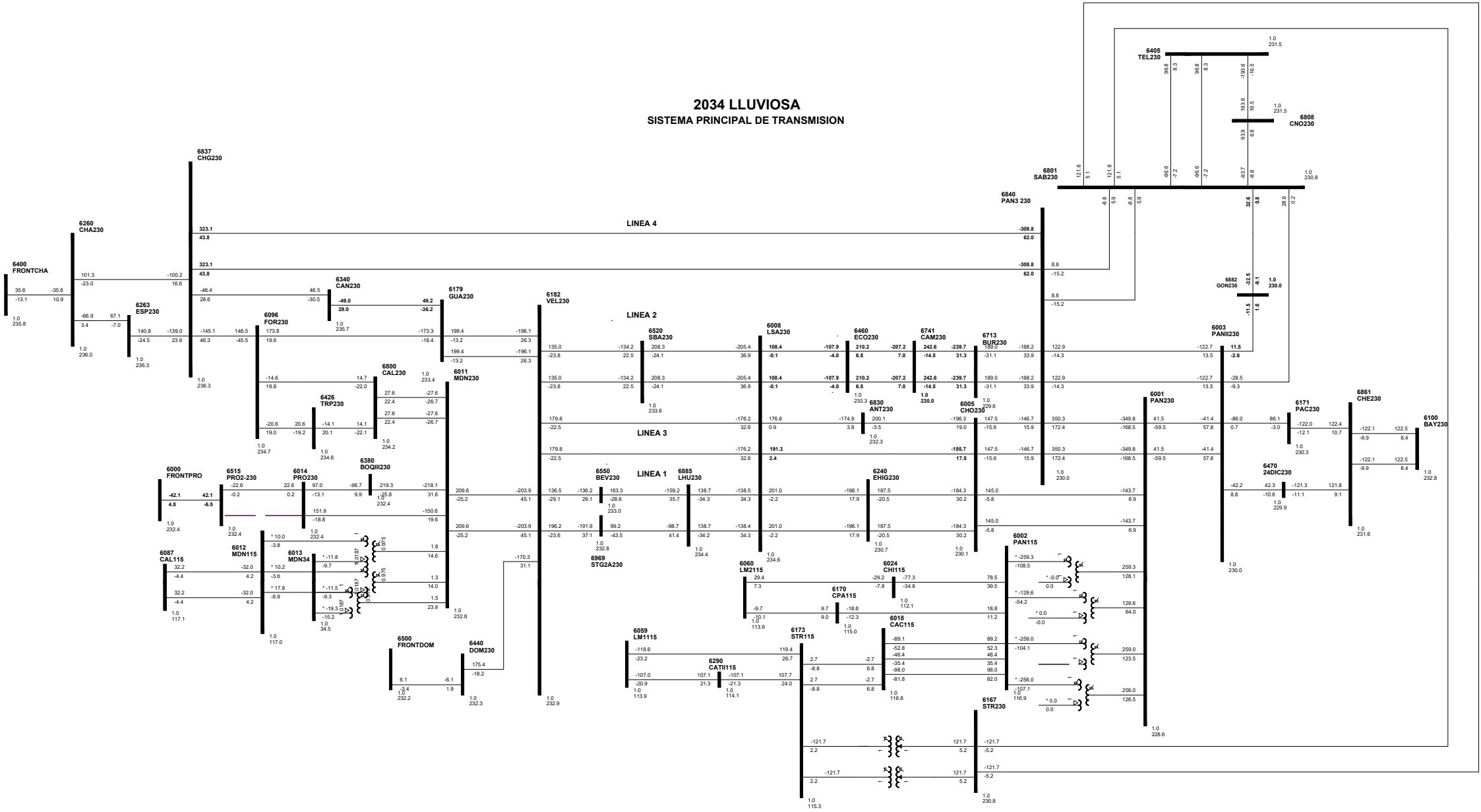
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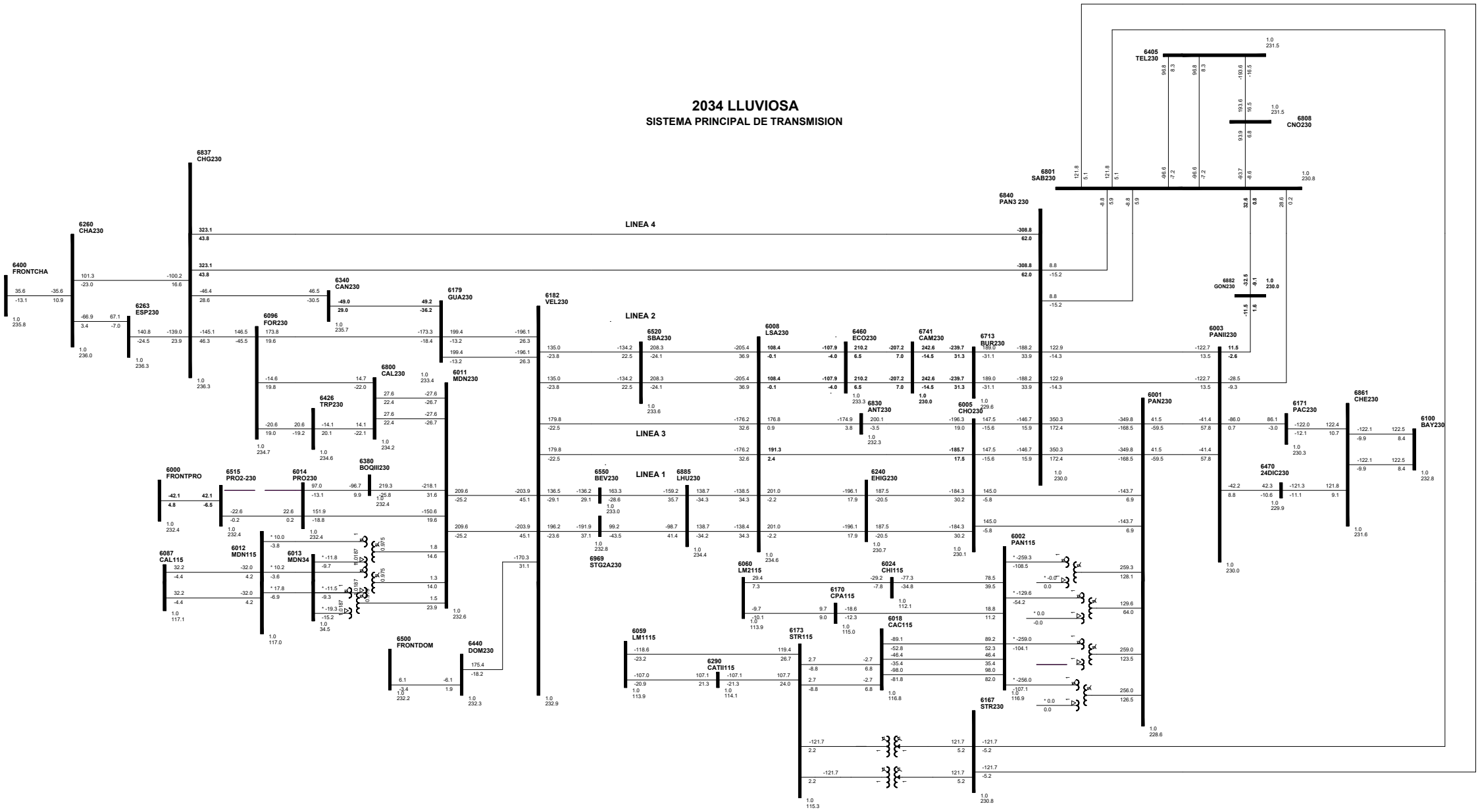
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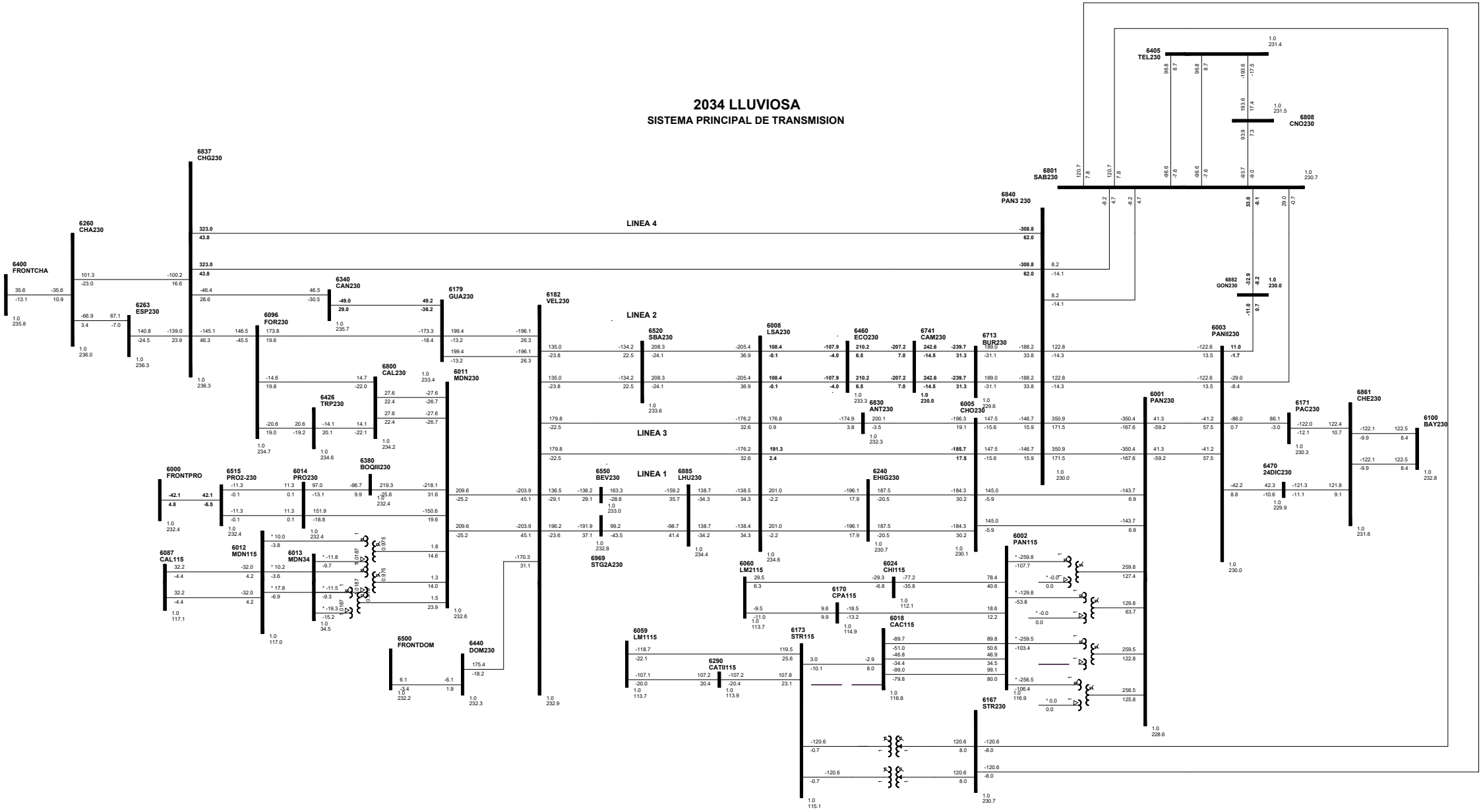
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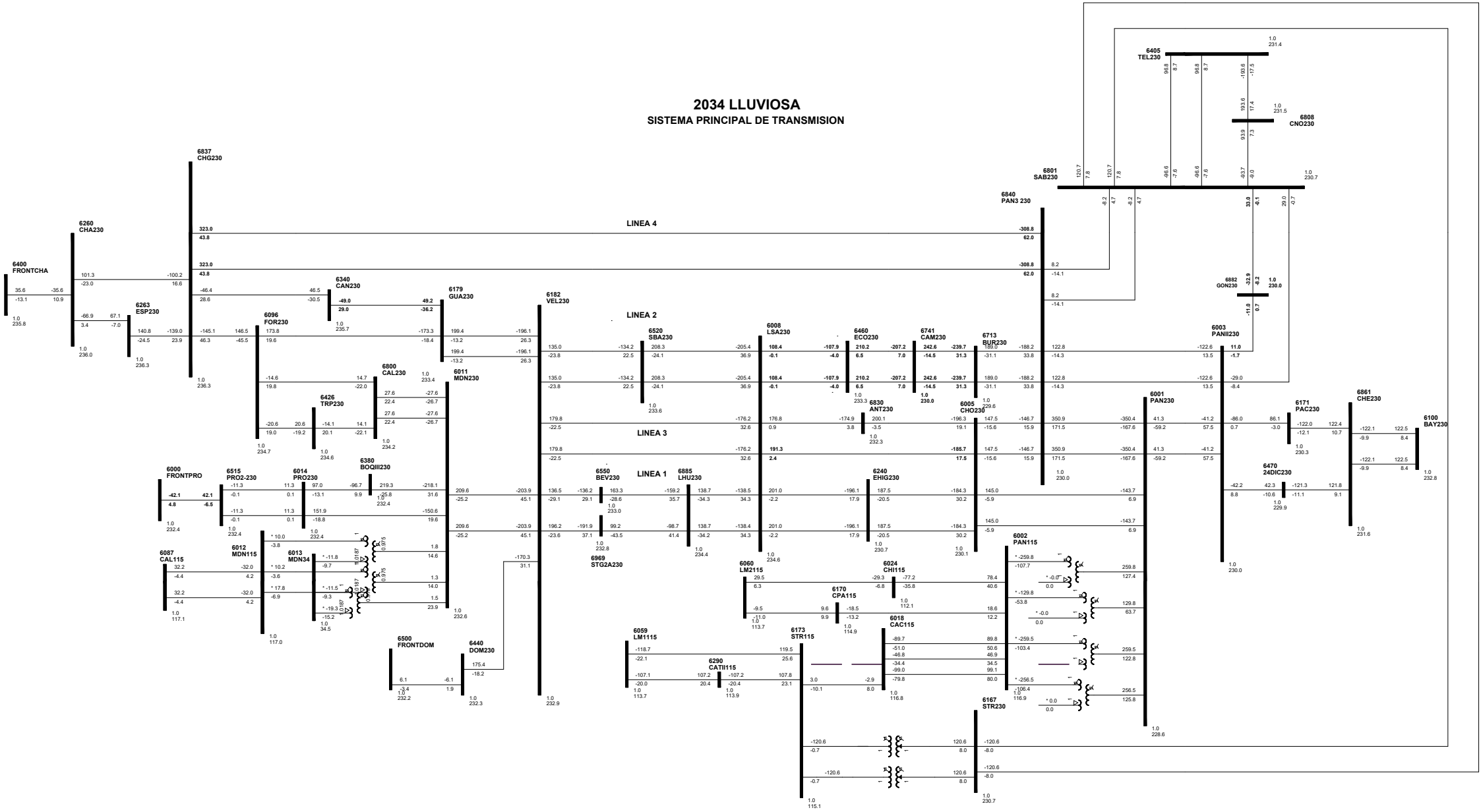
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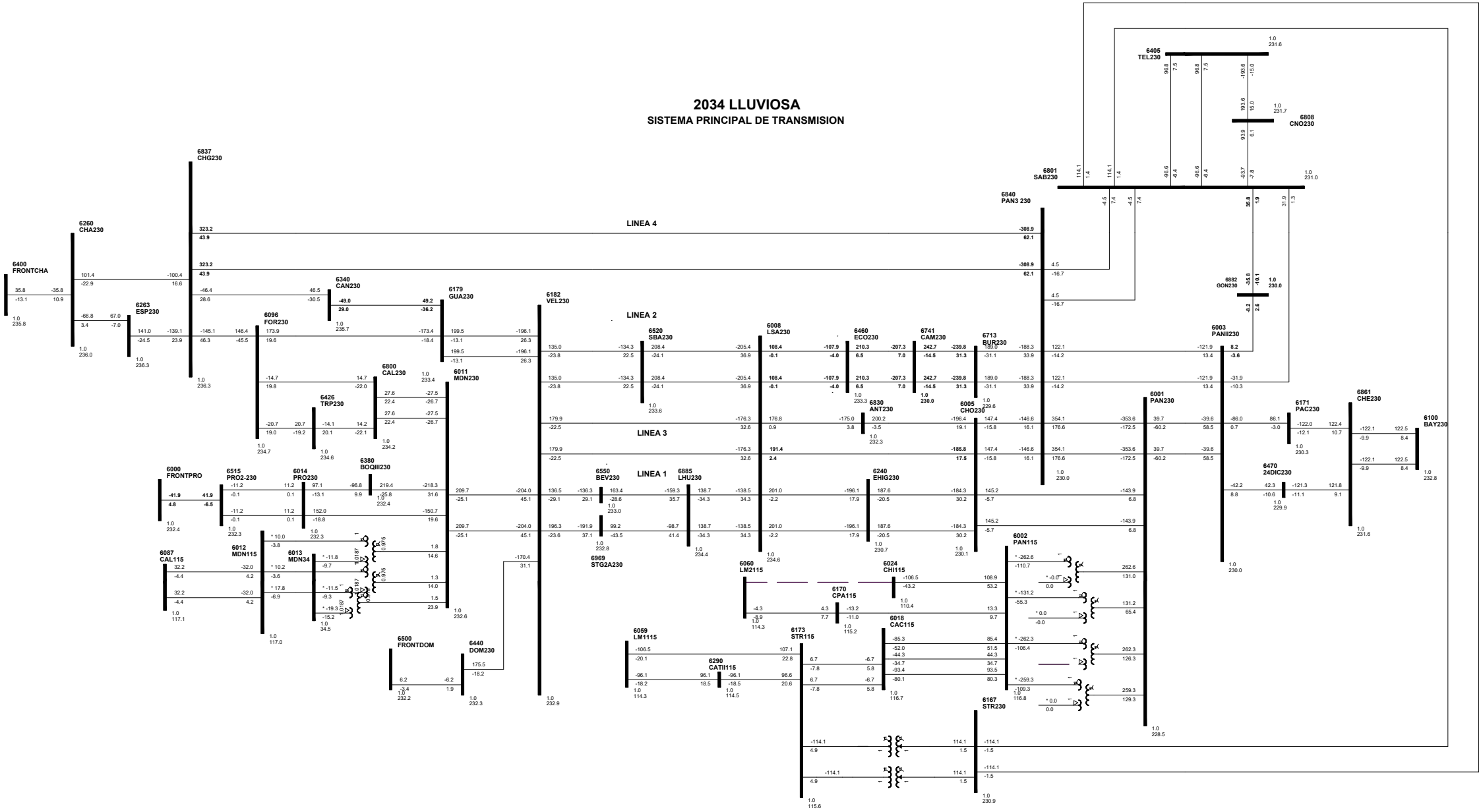
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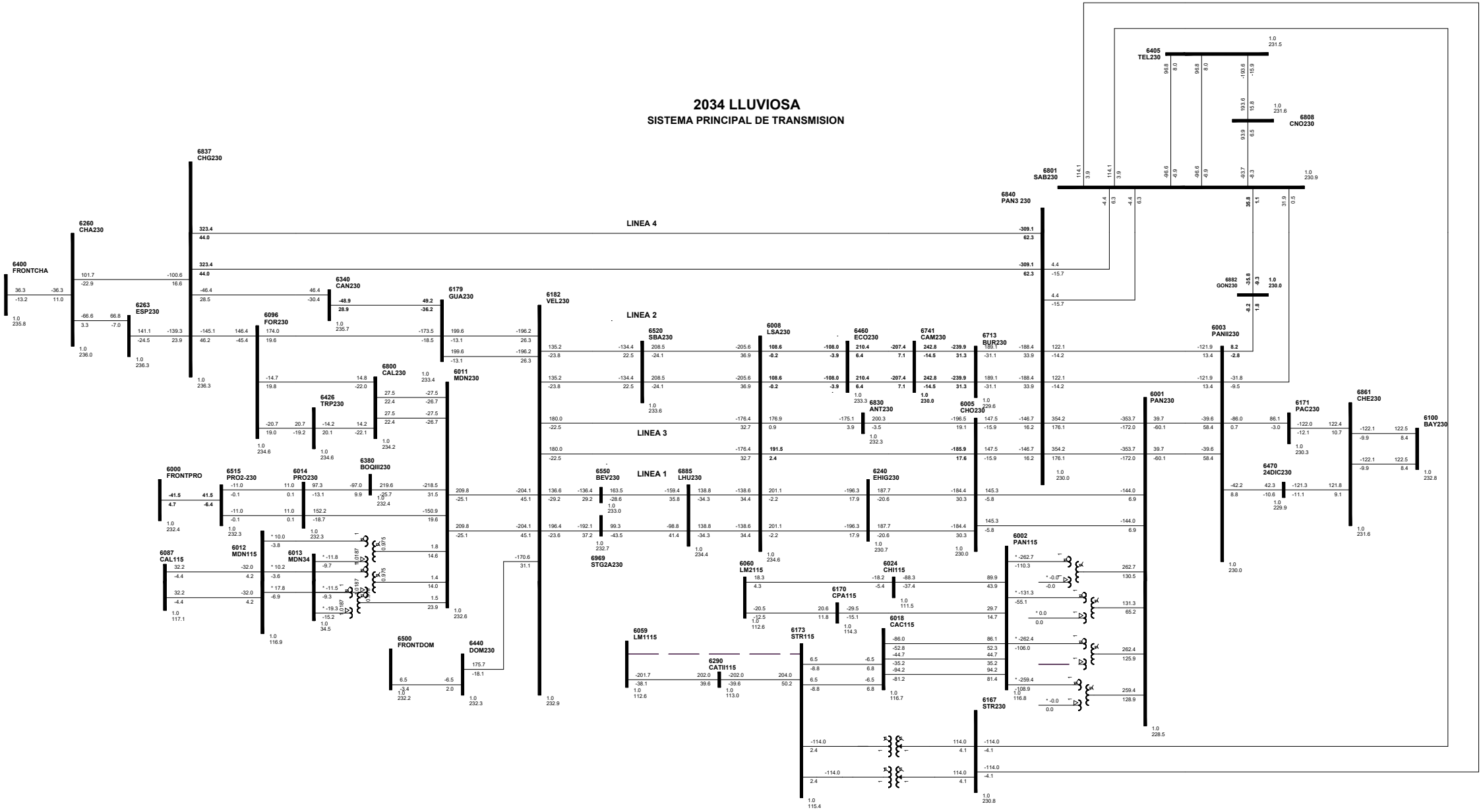
Contingencia 48



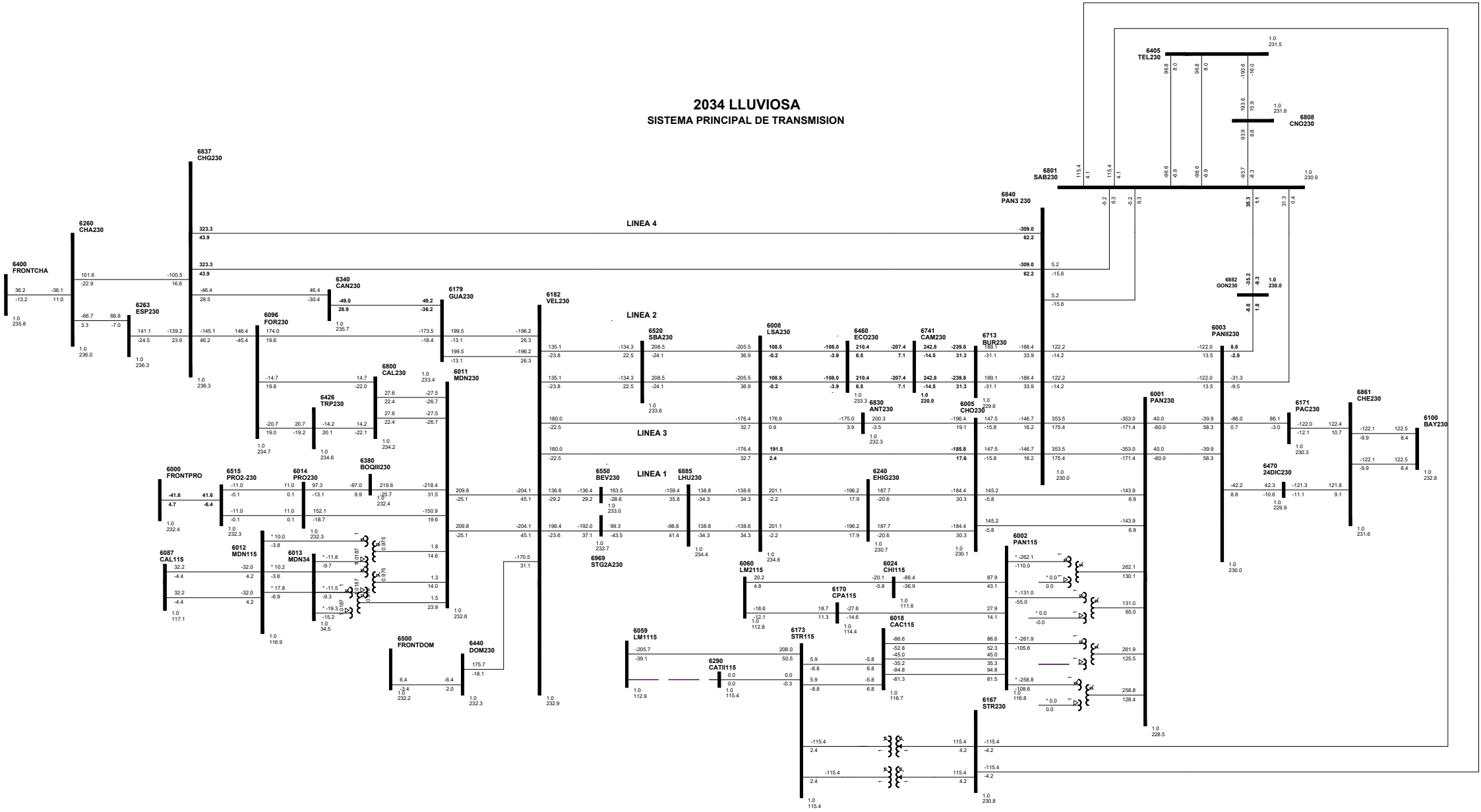
Contingencia 49



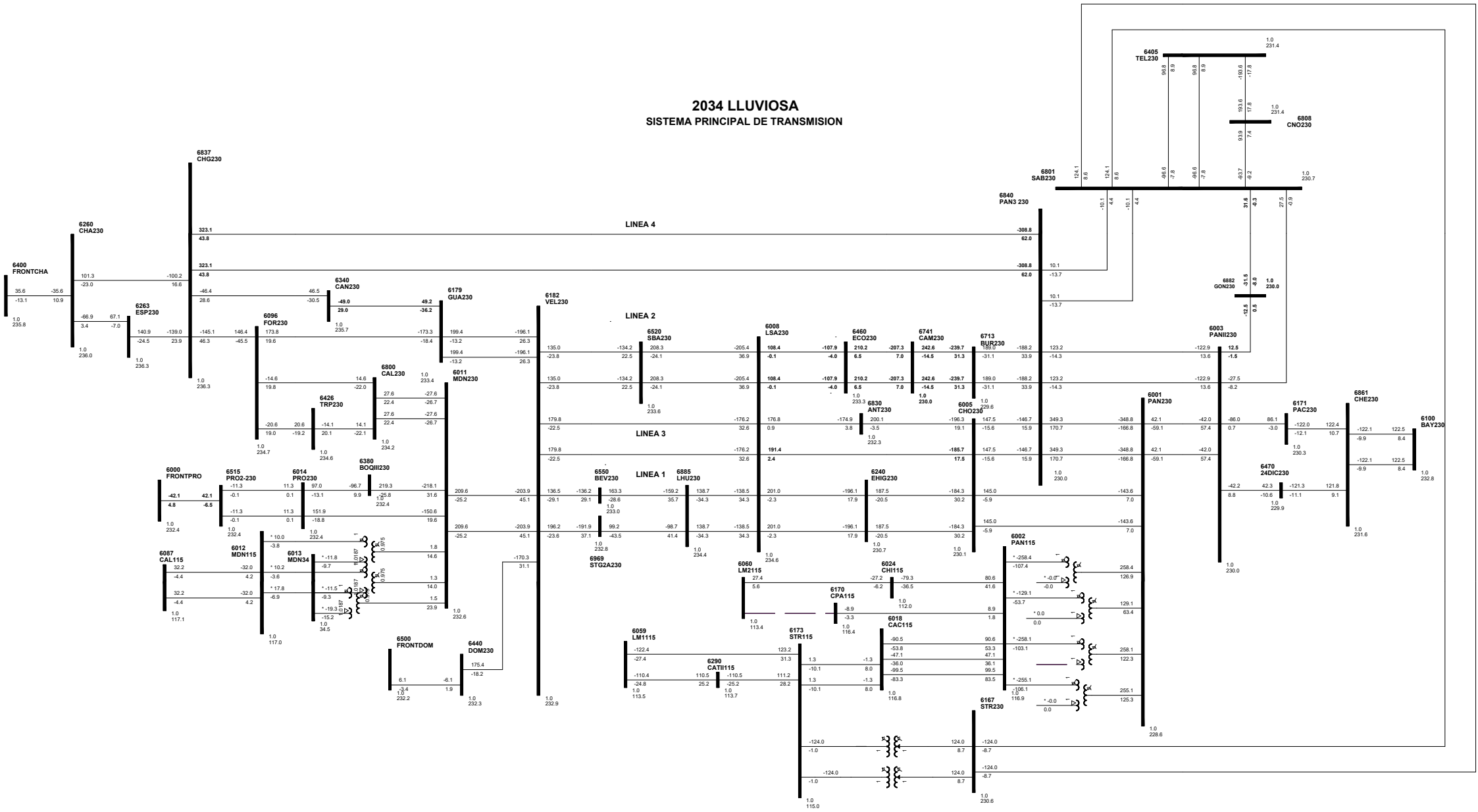
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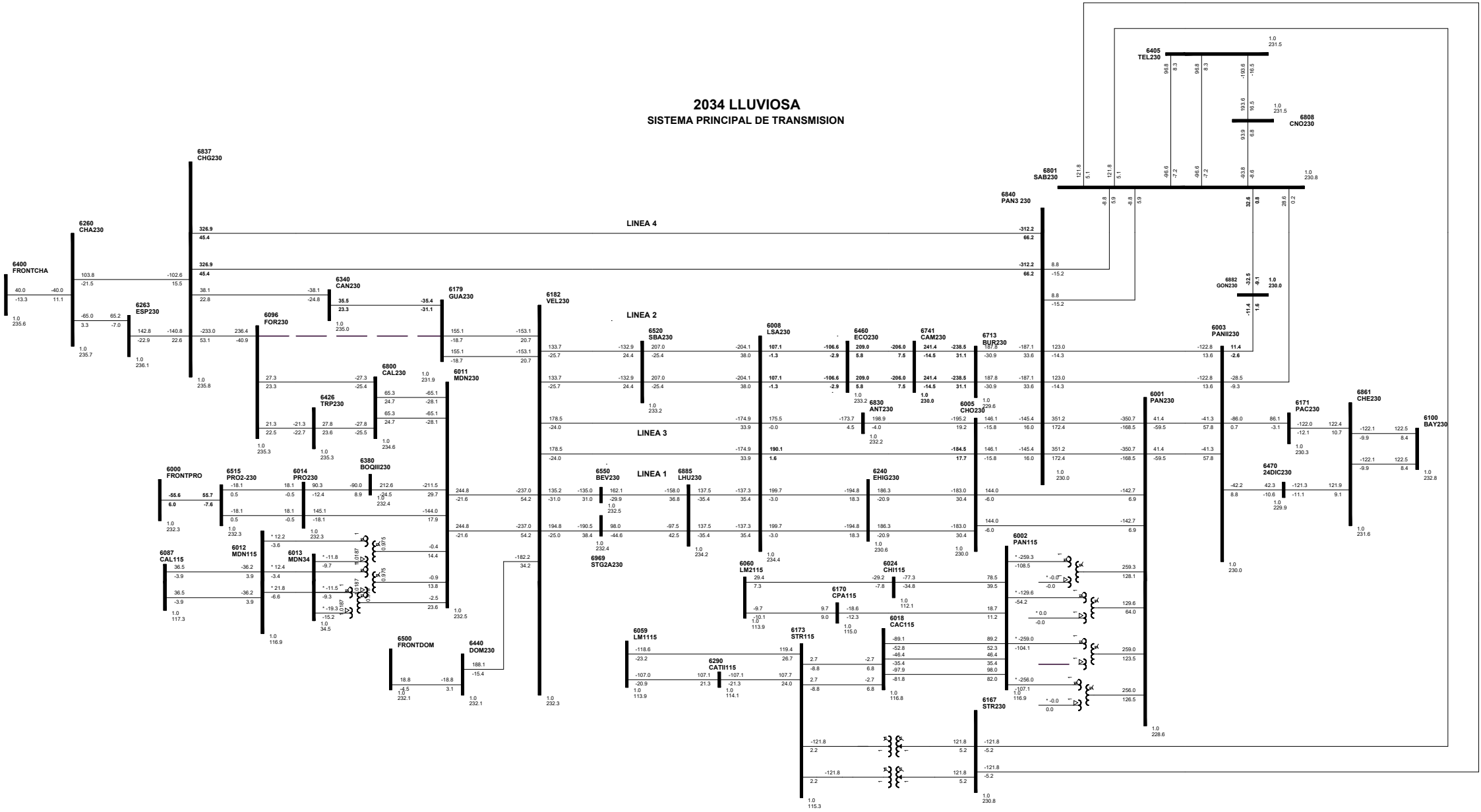
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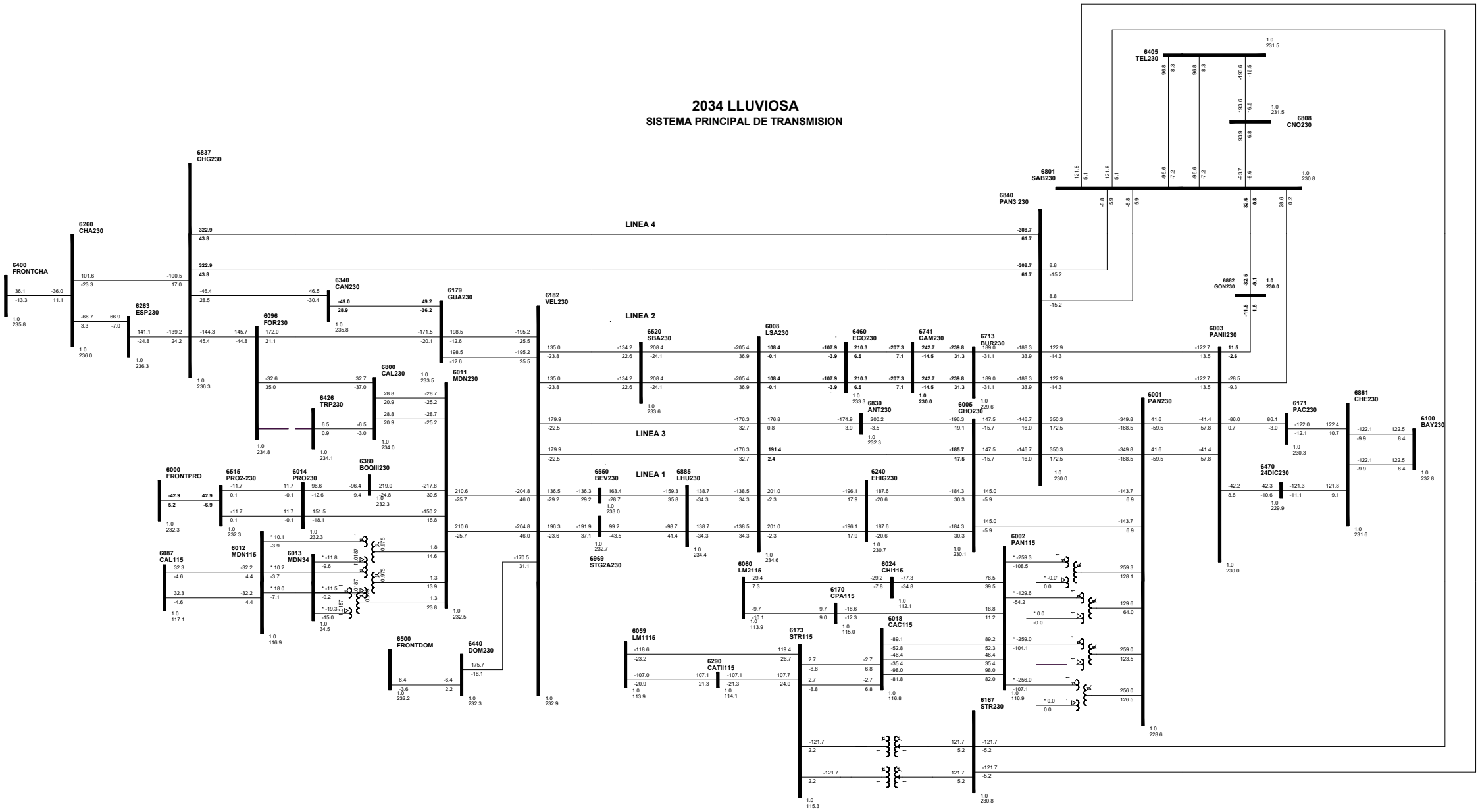
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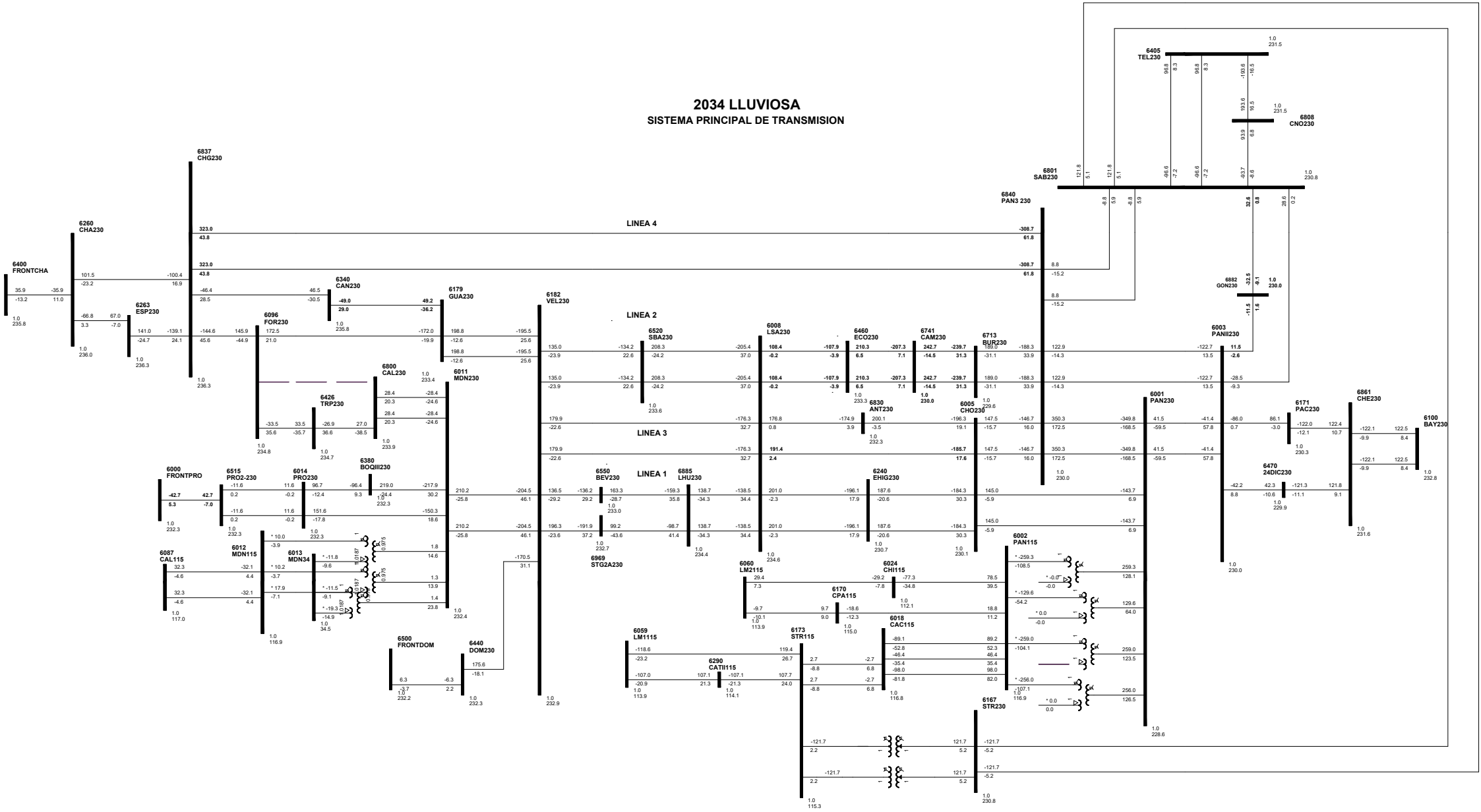
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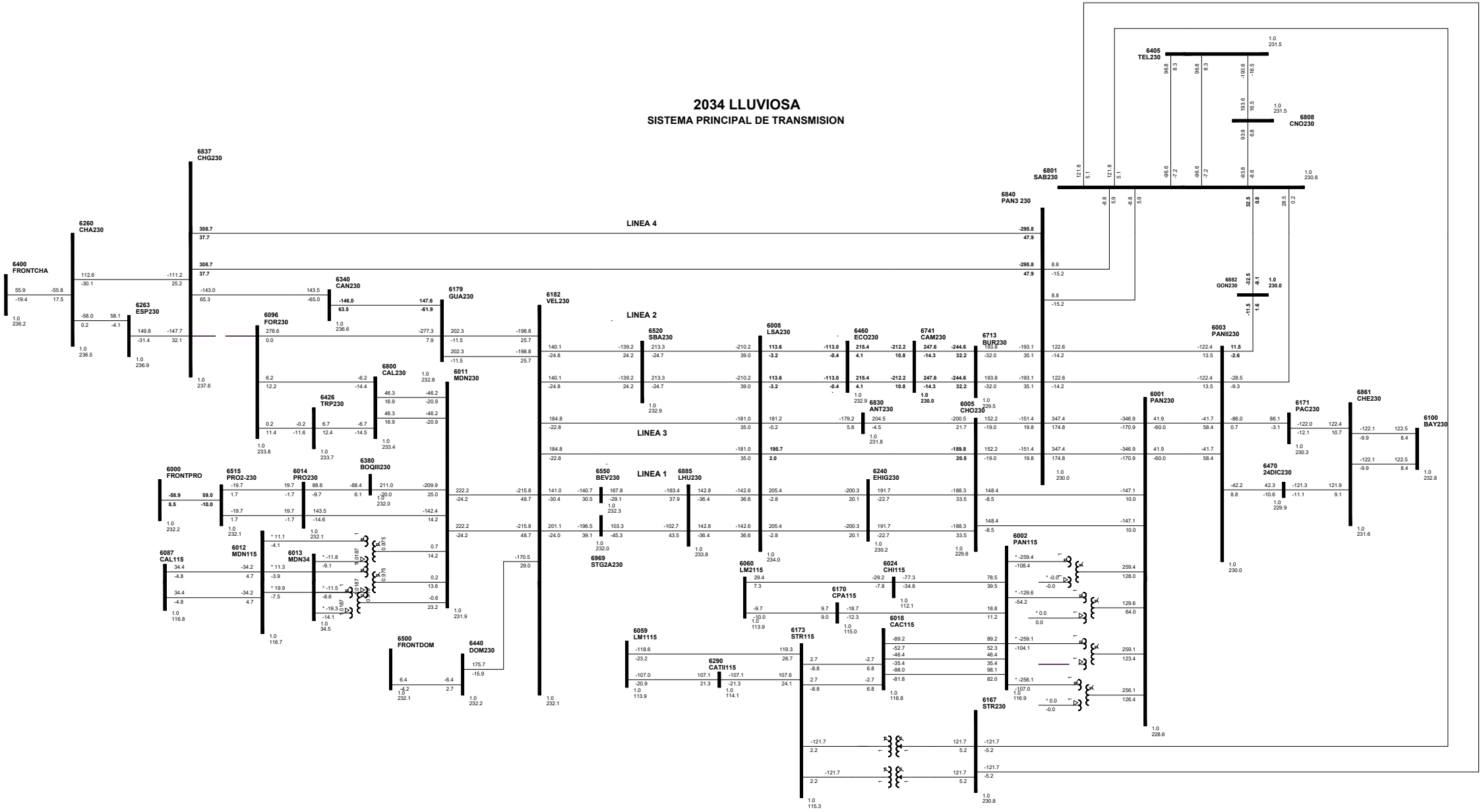
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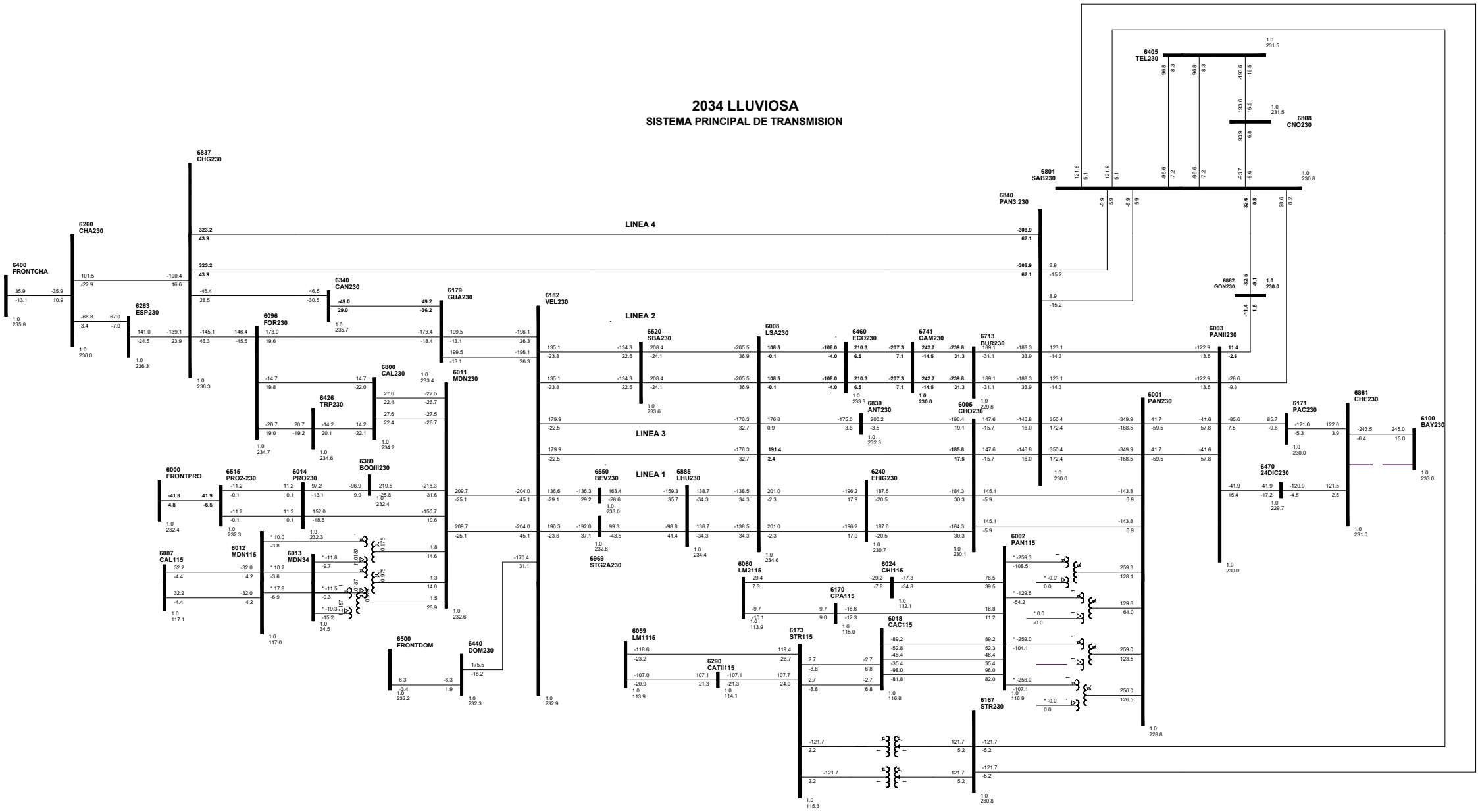
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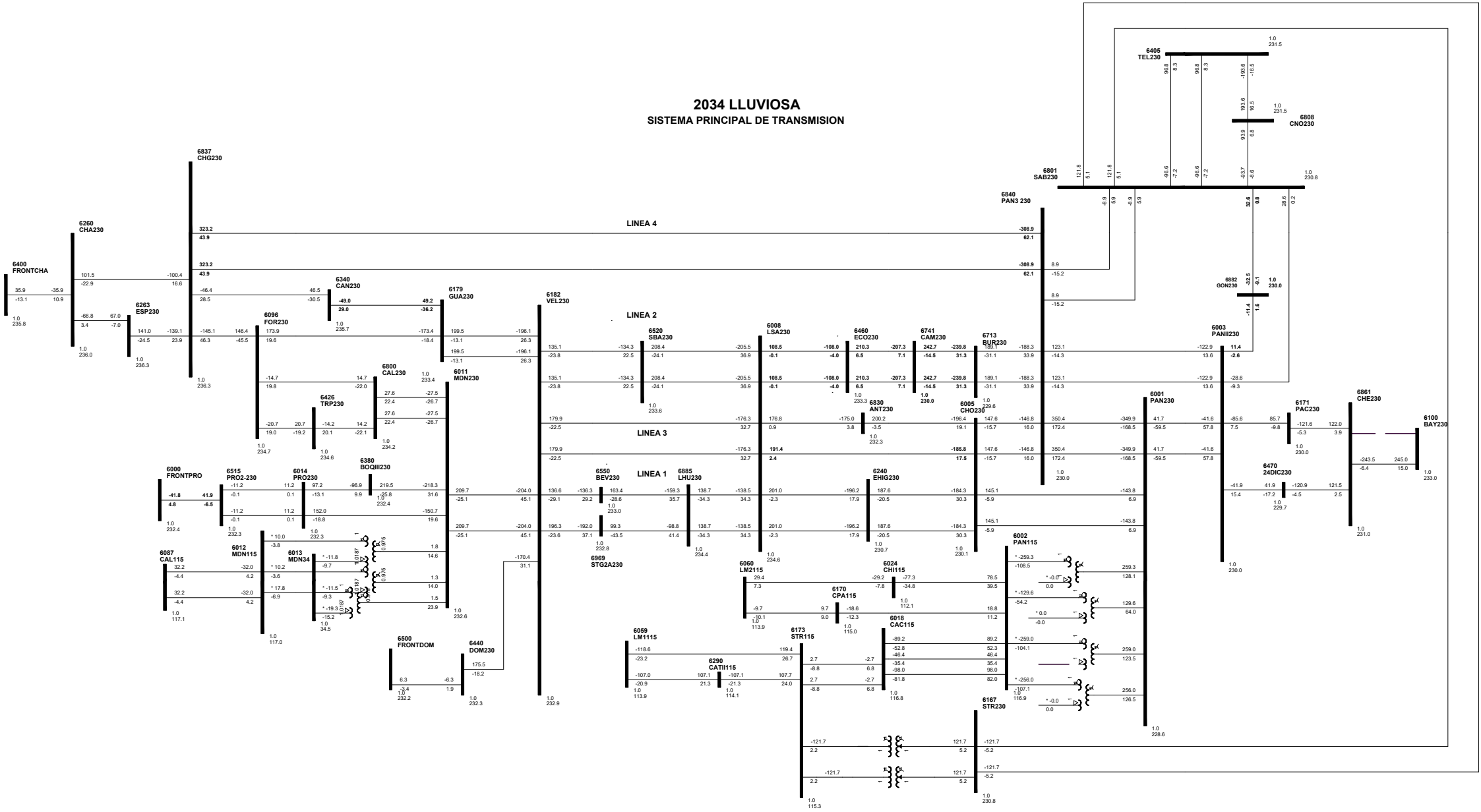
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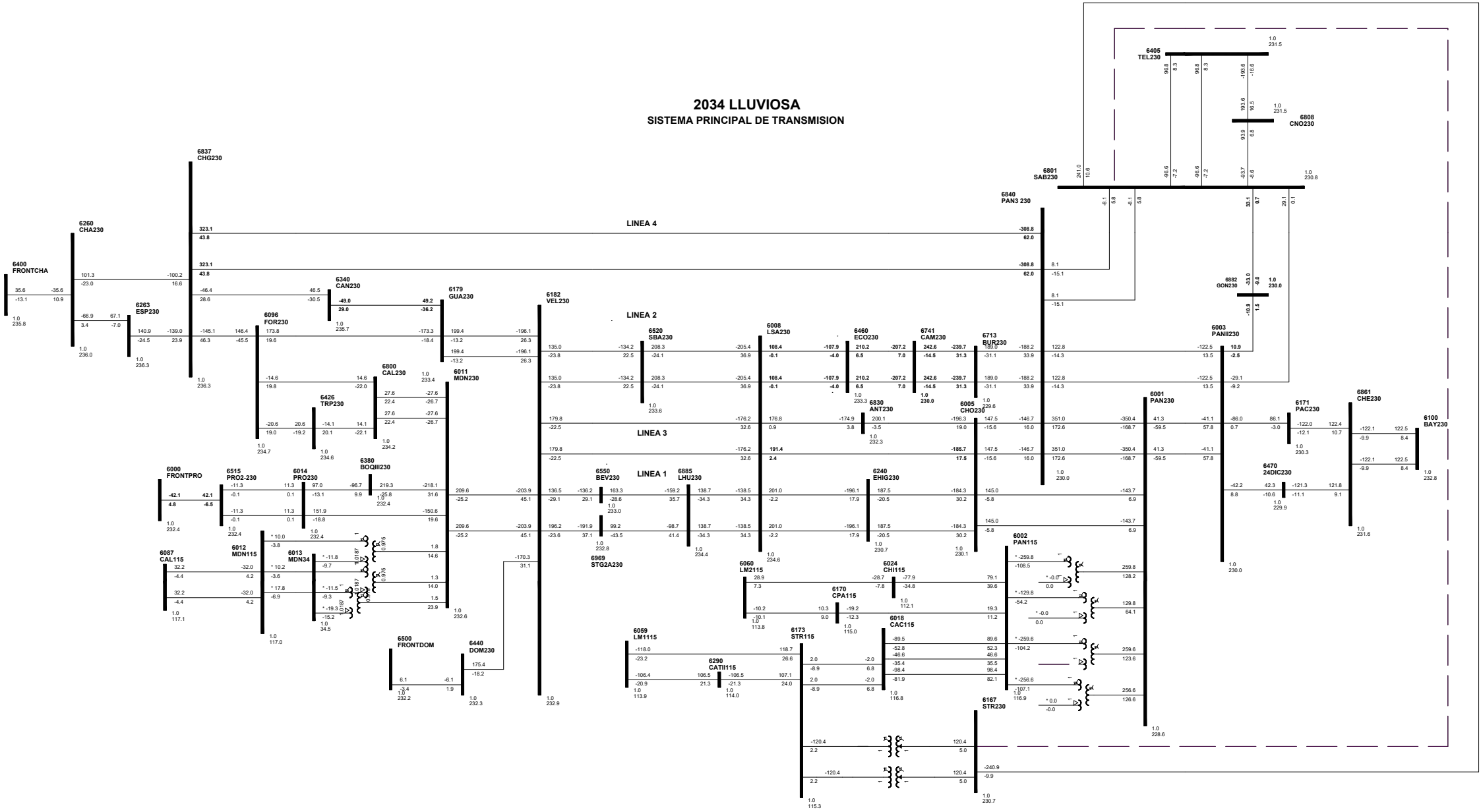
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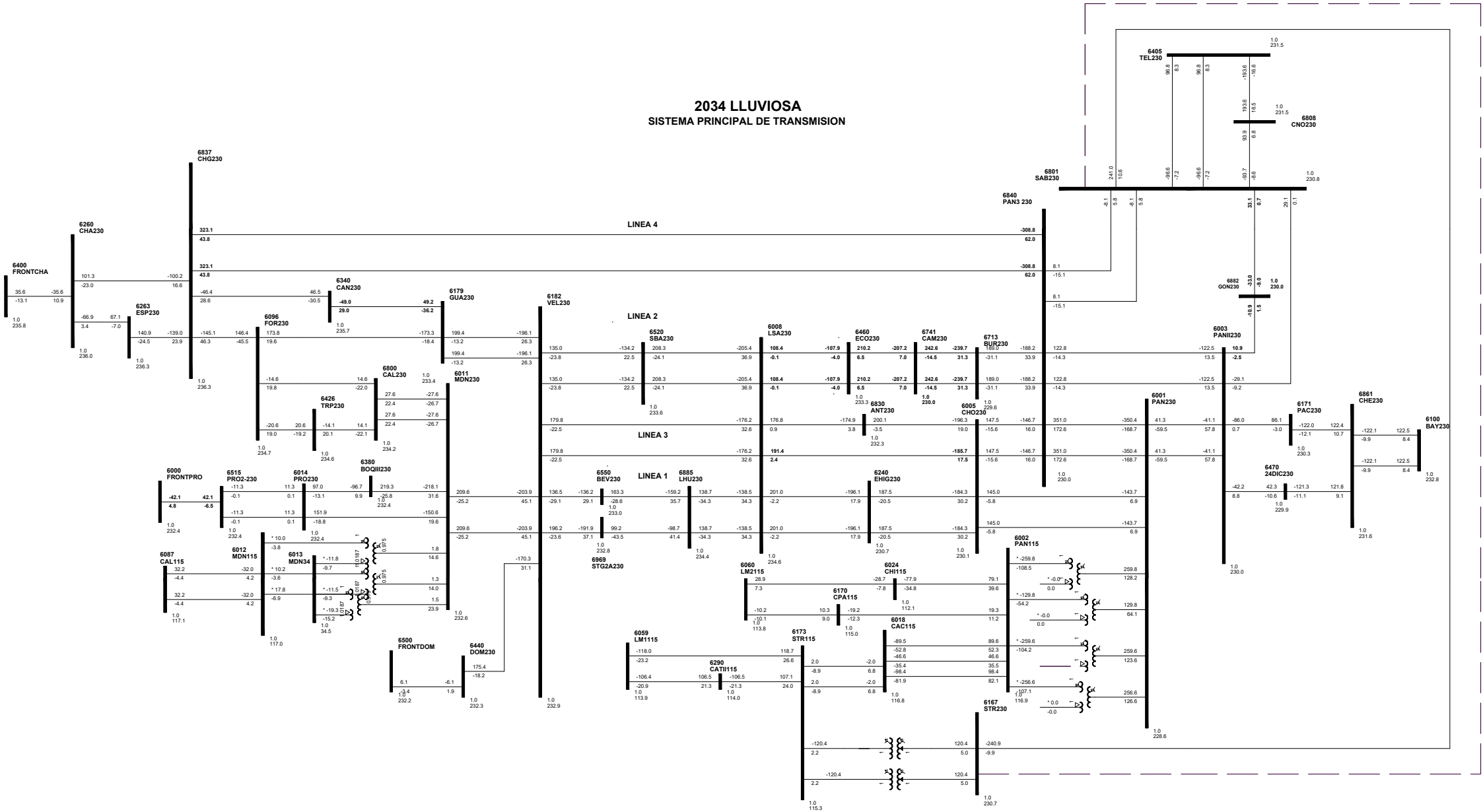


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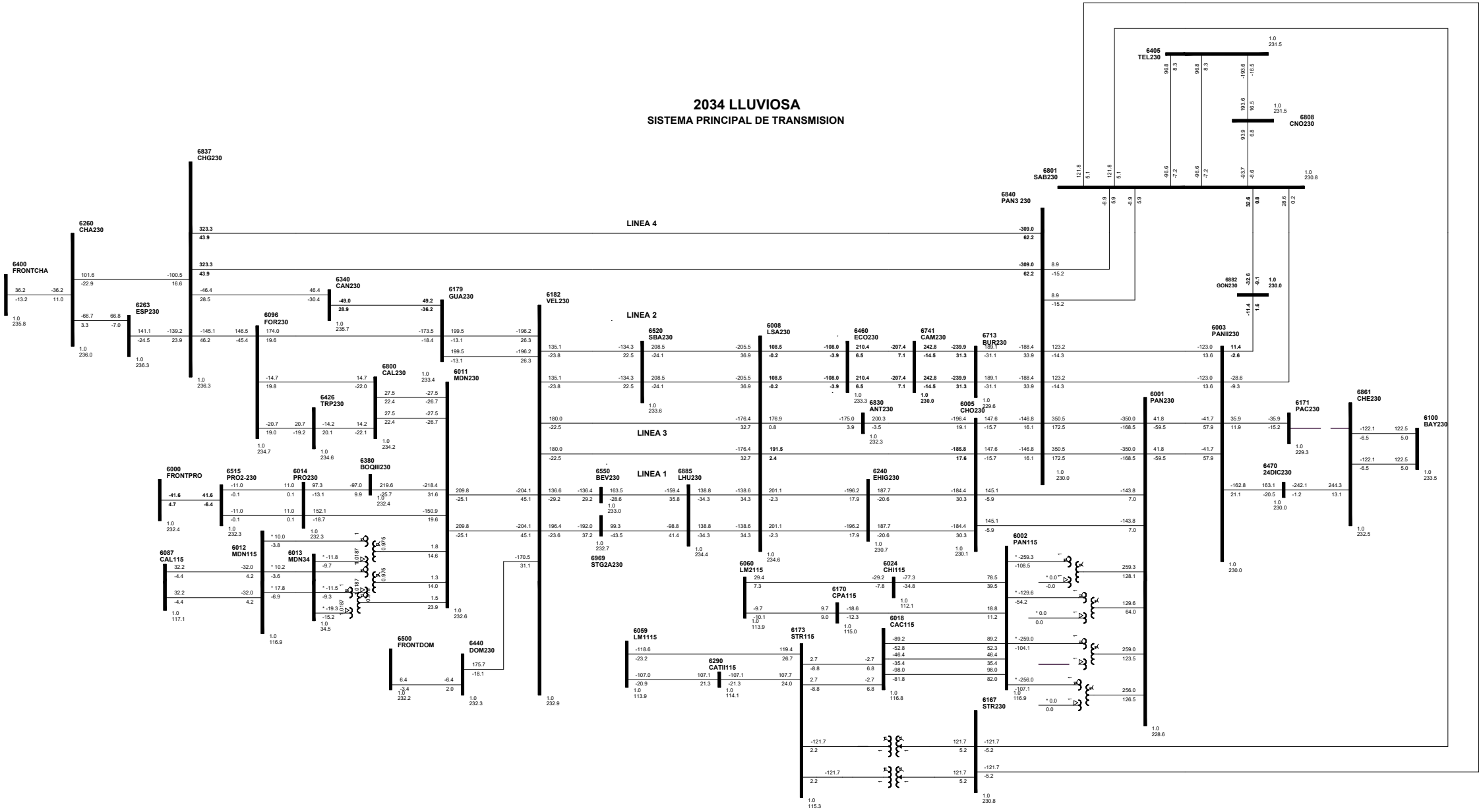


Contingencia 59

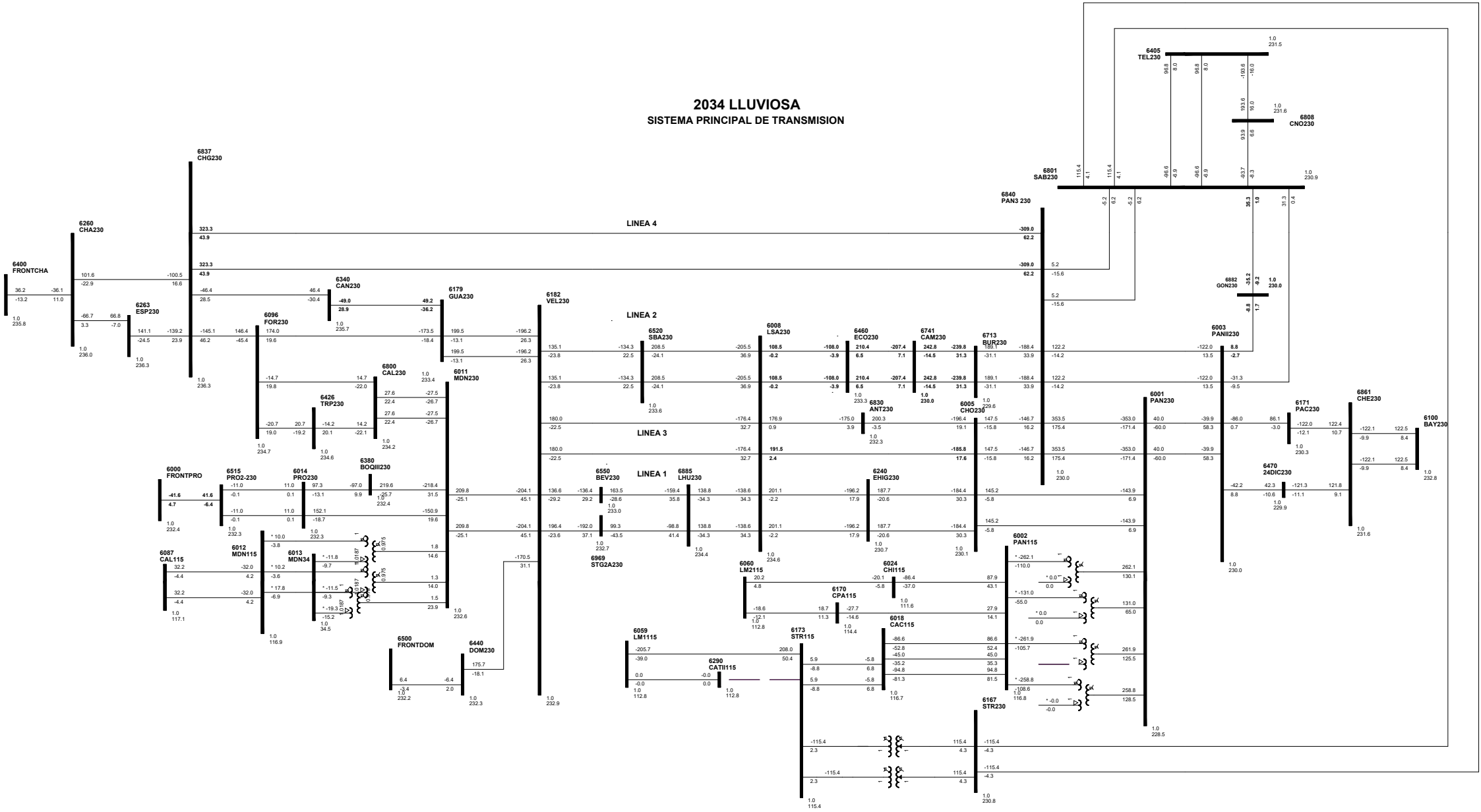



2034 LLUVIOSA
SISTEMA PRINCIPAL DE TRANSMISION
LINEA 4
LINEA 2
LINEA 3
LINEA 1
6400 FRONTCHA
6260 CHA230
6263 ESP230
6837 CHG230
6340 CAN230
6096 FOR230
6426 TRP230
6800 CAL230
6011 MDN230
6179 GUA230
6182 VEL230
6520 SBA230
6008 LSA230
6460 ECO230
6741 CAM230
6713 BUR230
6840 PAN3 230
6801 SAB230
6405 TEL230
6808 CNO230
6882 GON230
6003 PANII230
6001 PAN230
6171 PAC230
6861 CHE230
6100 BAY230
6470 24DIC230
6005 CHO230
6830 ANT230
6240 EHIG230
6550 BEV230
6885 LHU230
6969 STG2A230
6000 FRONTPRO
6515 PRO2-230
6014 PRO230
6380 BOQIII230
6012 MDN115
6013 MDN34
6087 CAL115
6500 FRONTDOM
6440 DOM230
6060 LM2115
6024 CHI115
6170 CPA115
6018 CAC115
6059 LM1115
6290 CATII115
6173 STR115
6167 STR230
6002 PAN115

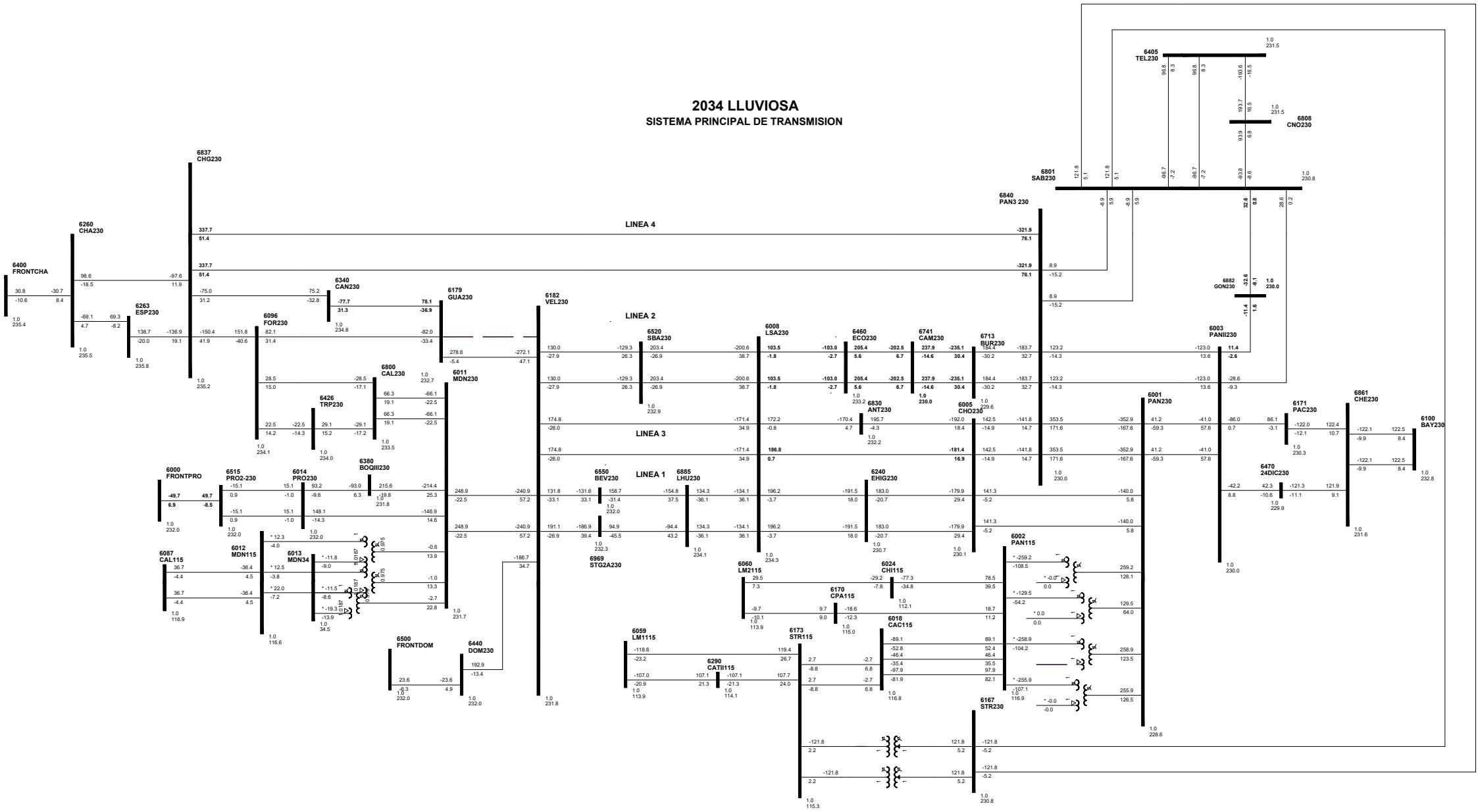
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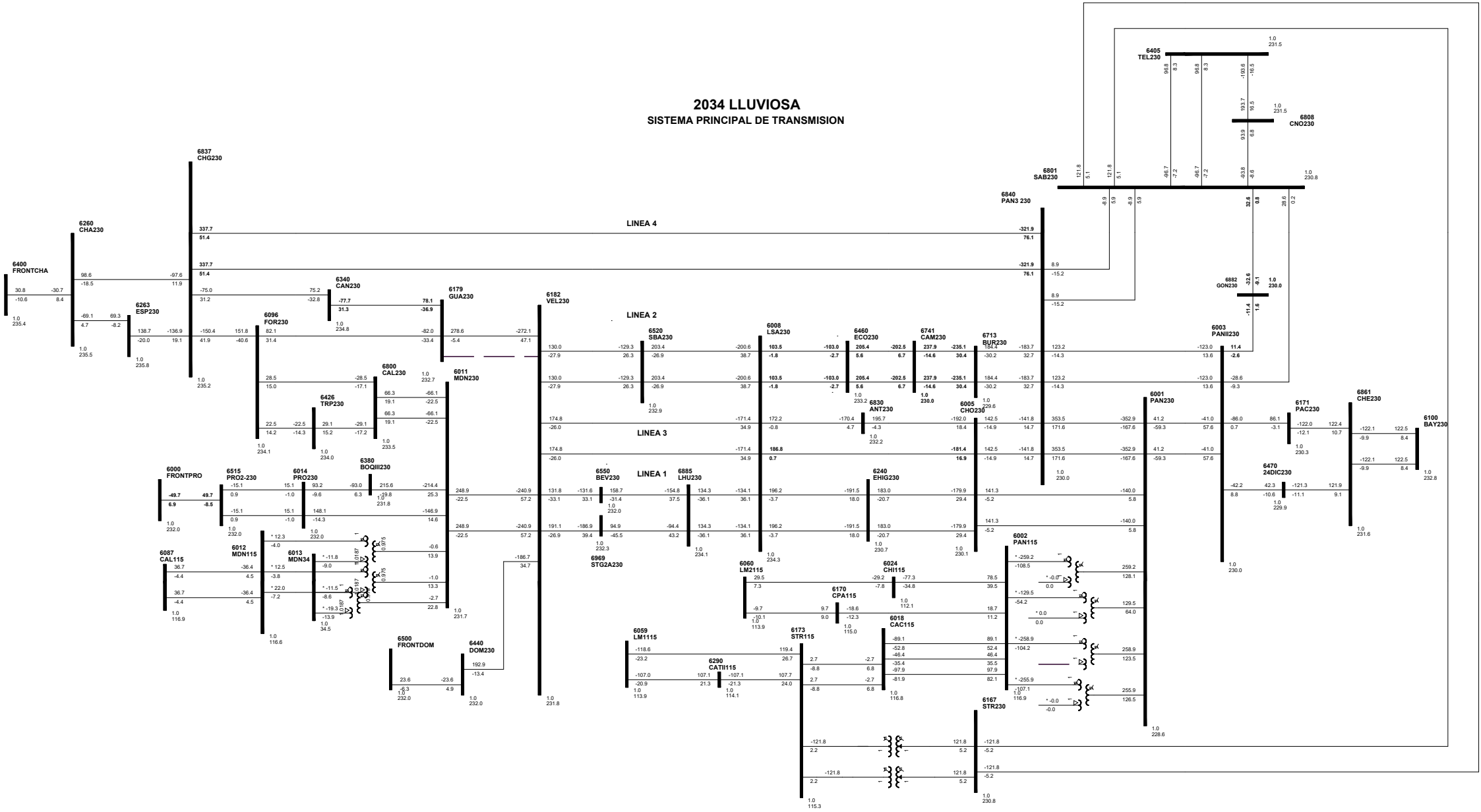
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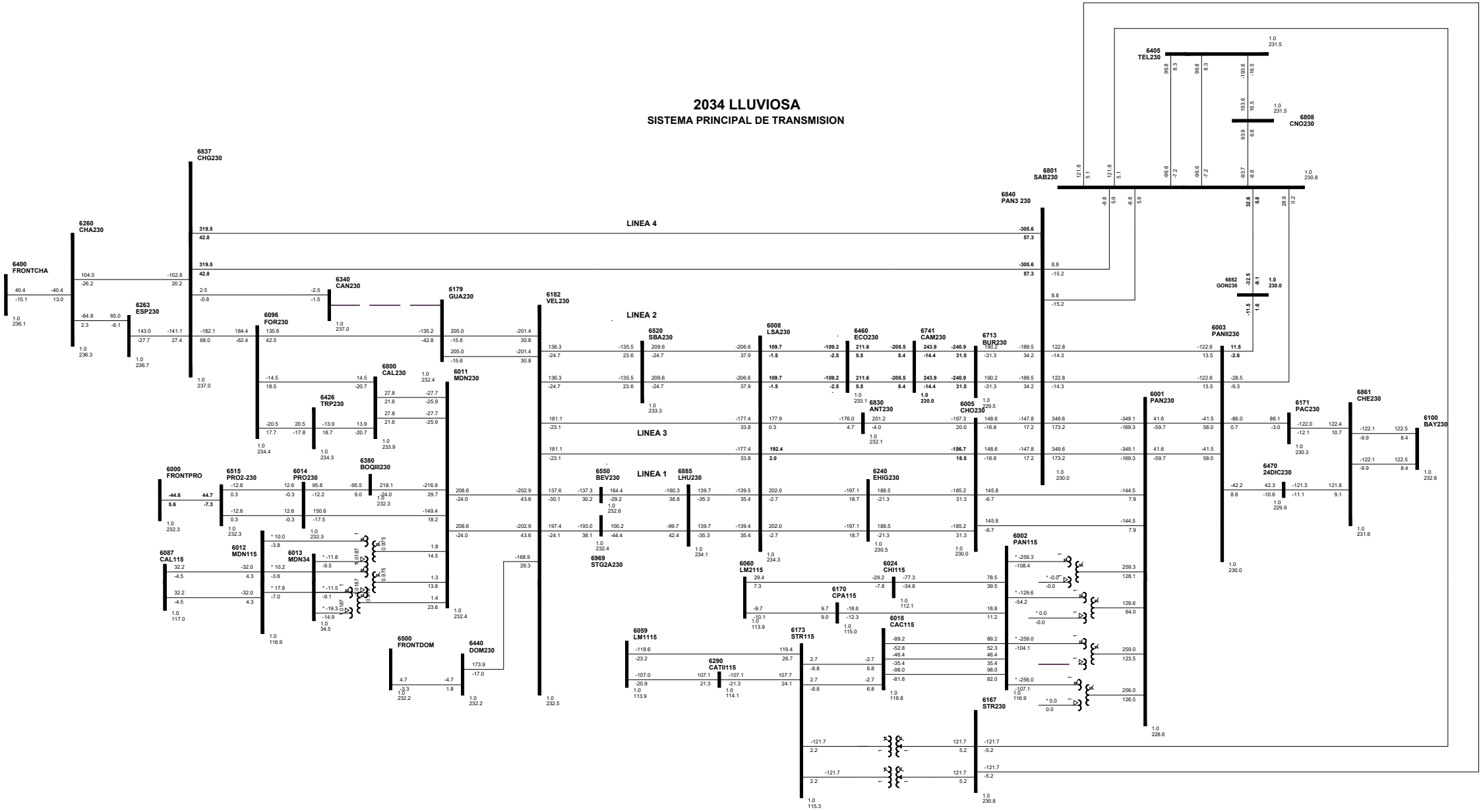
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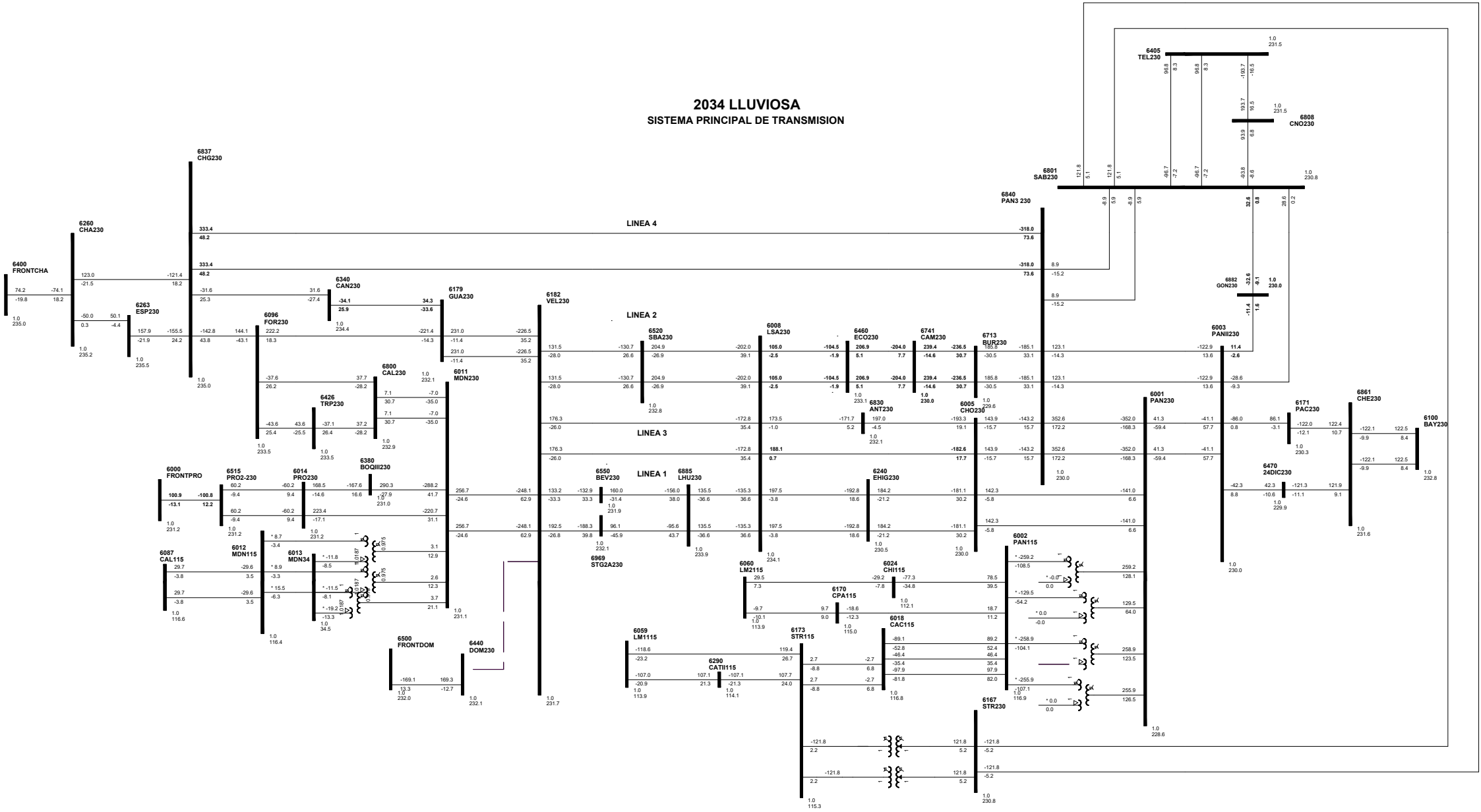
Contingencia 64



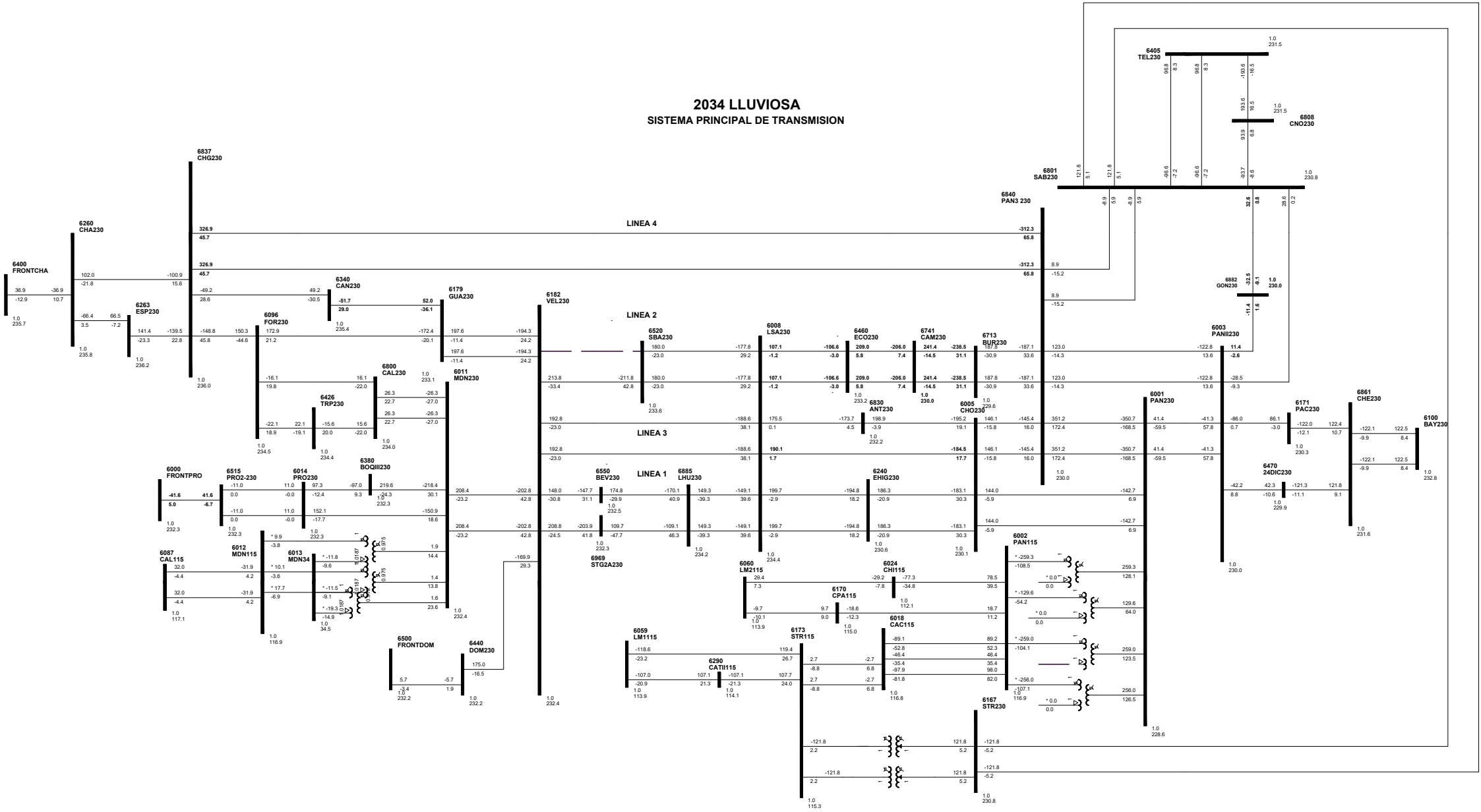
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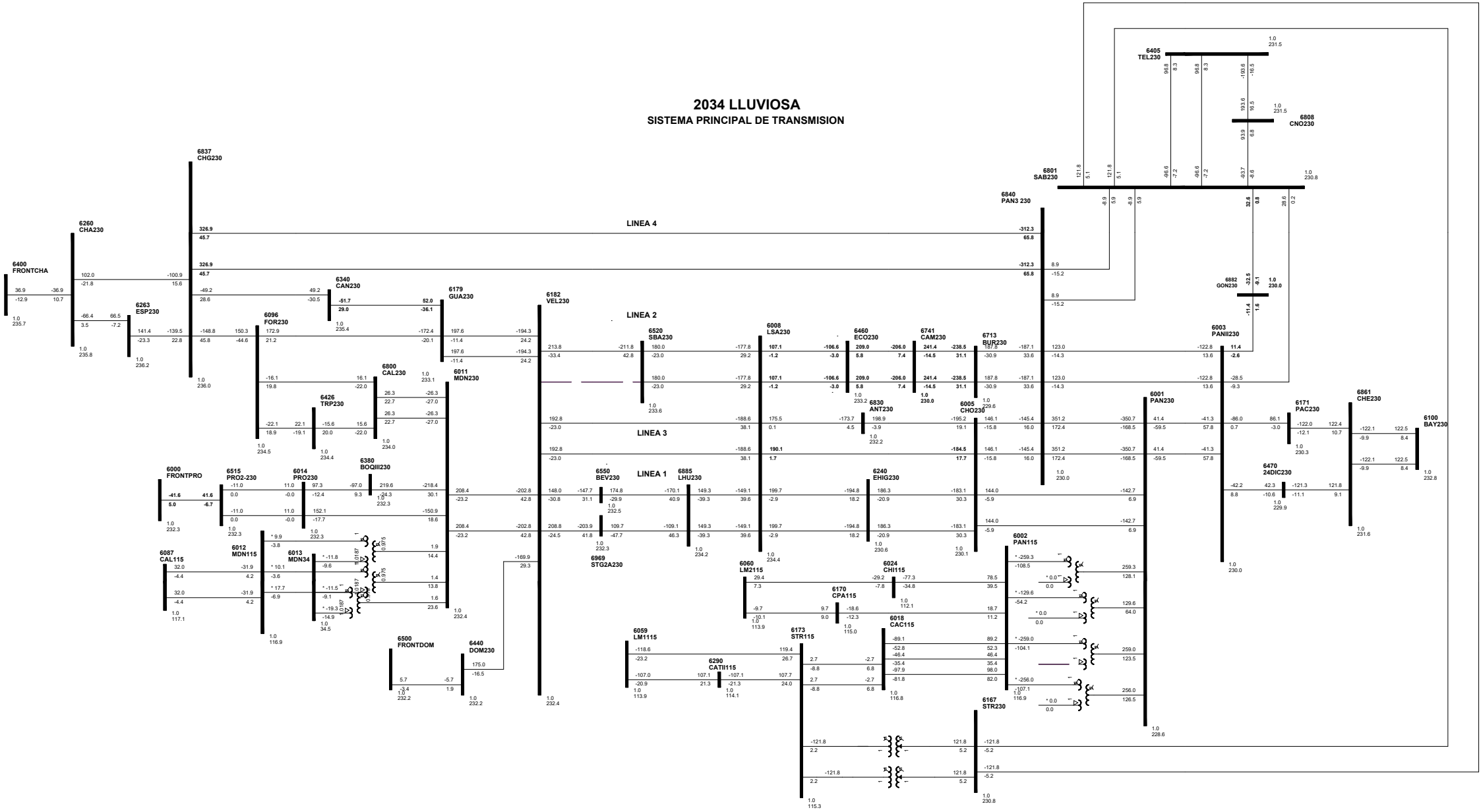
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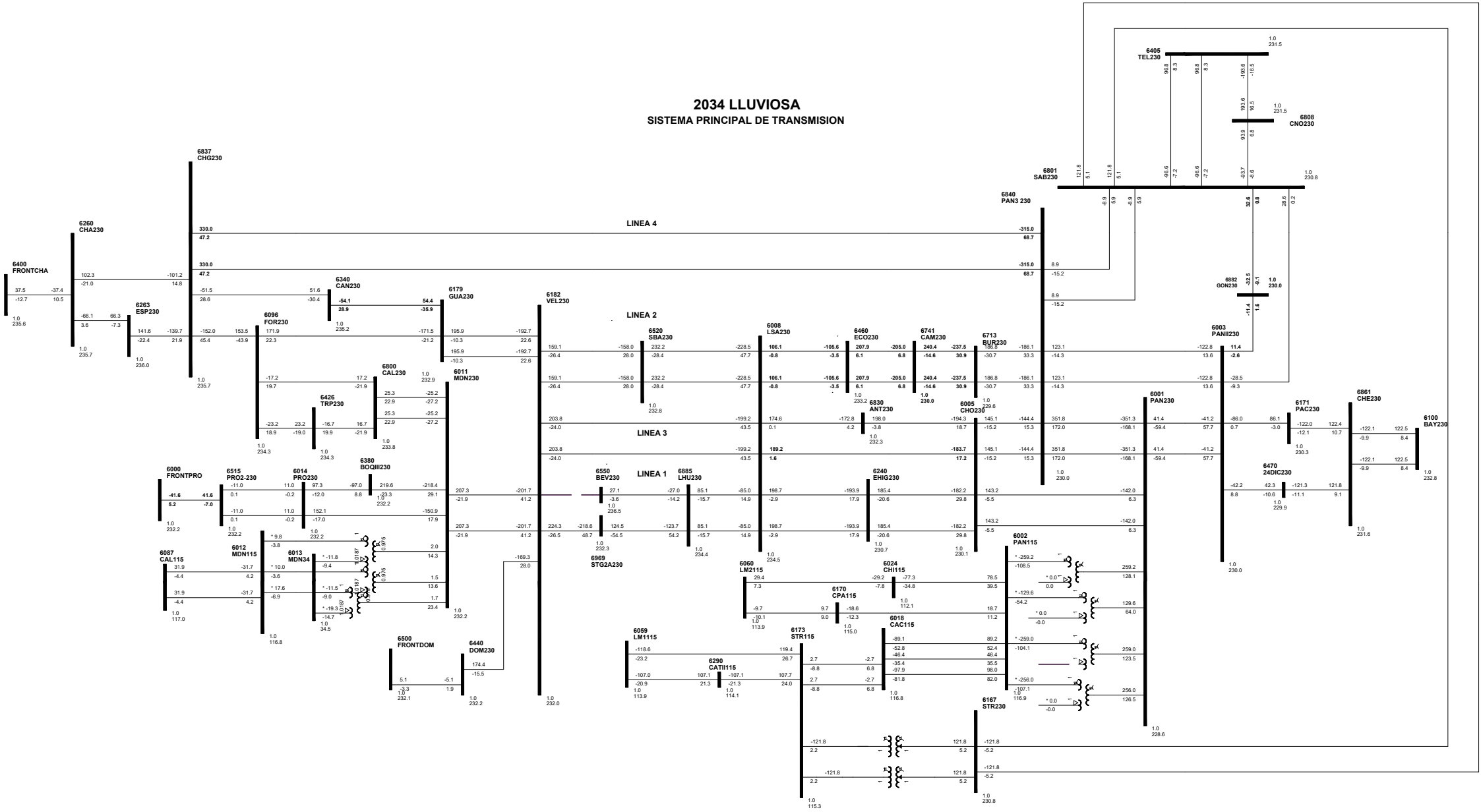
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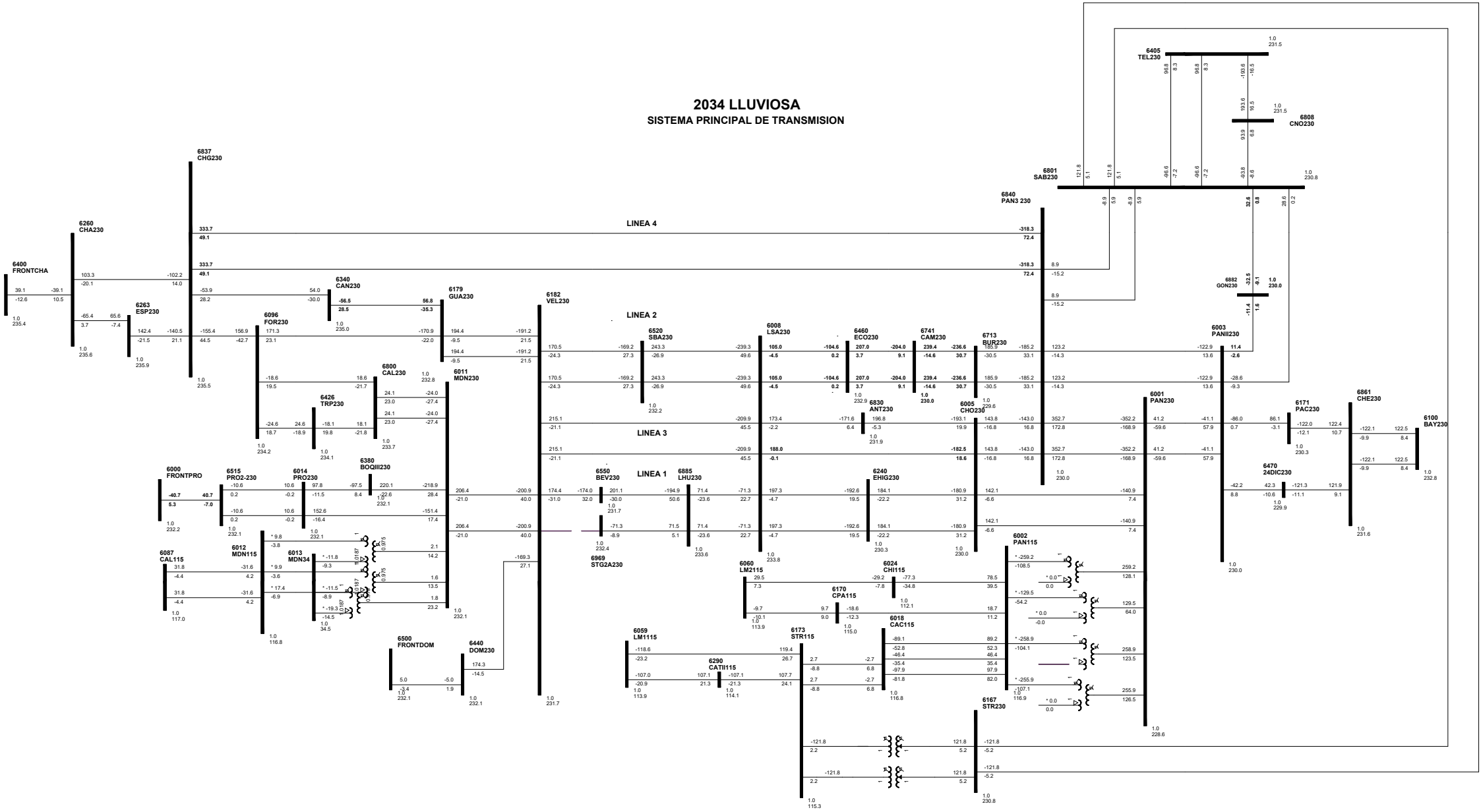
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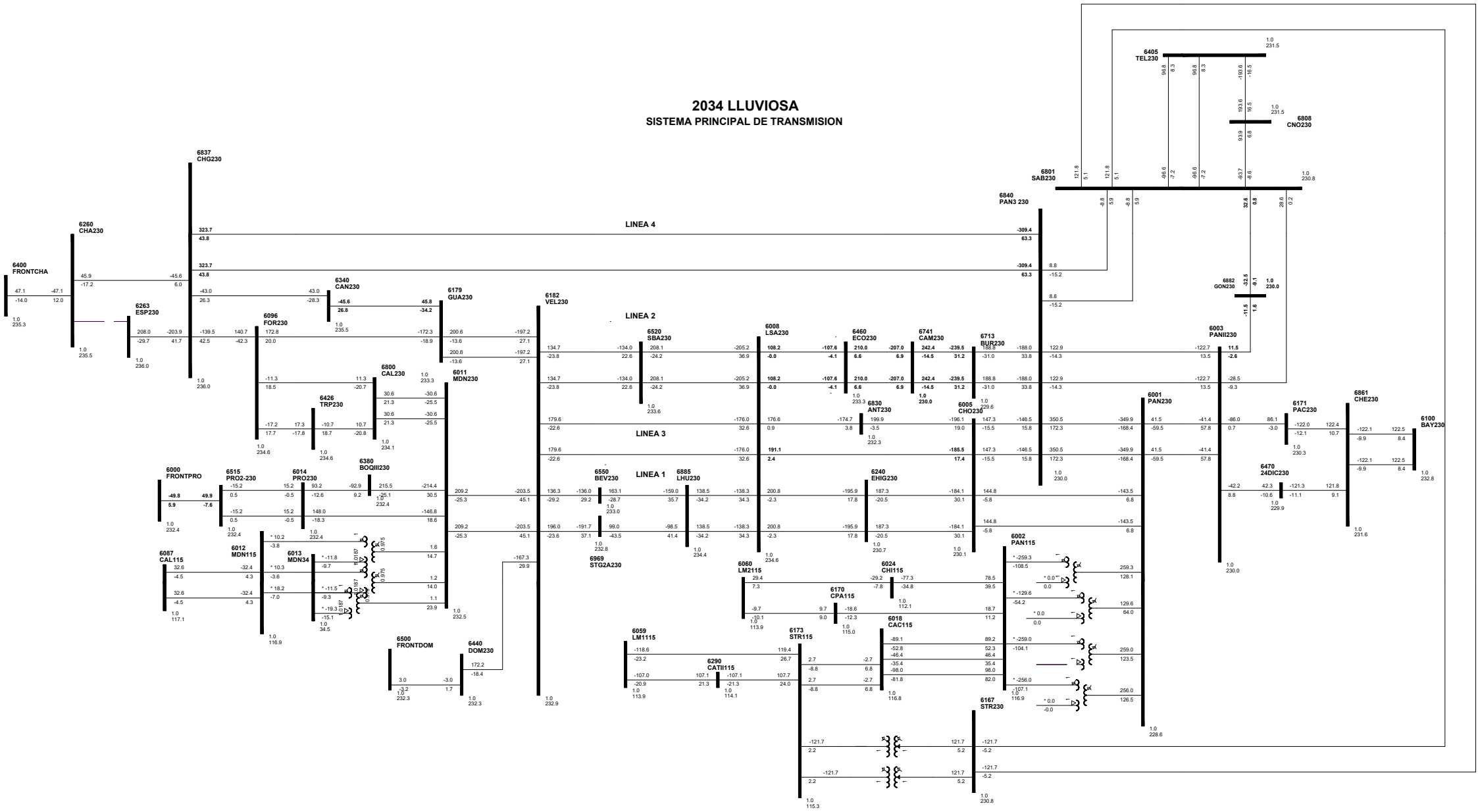
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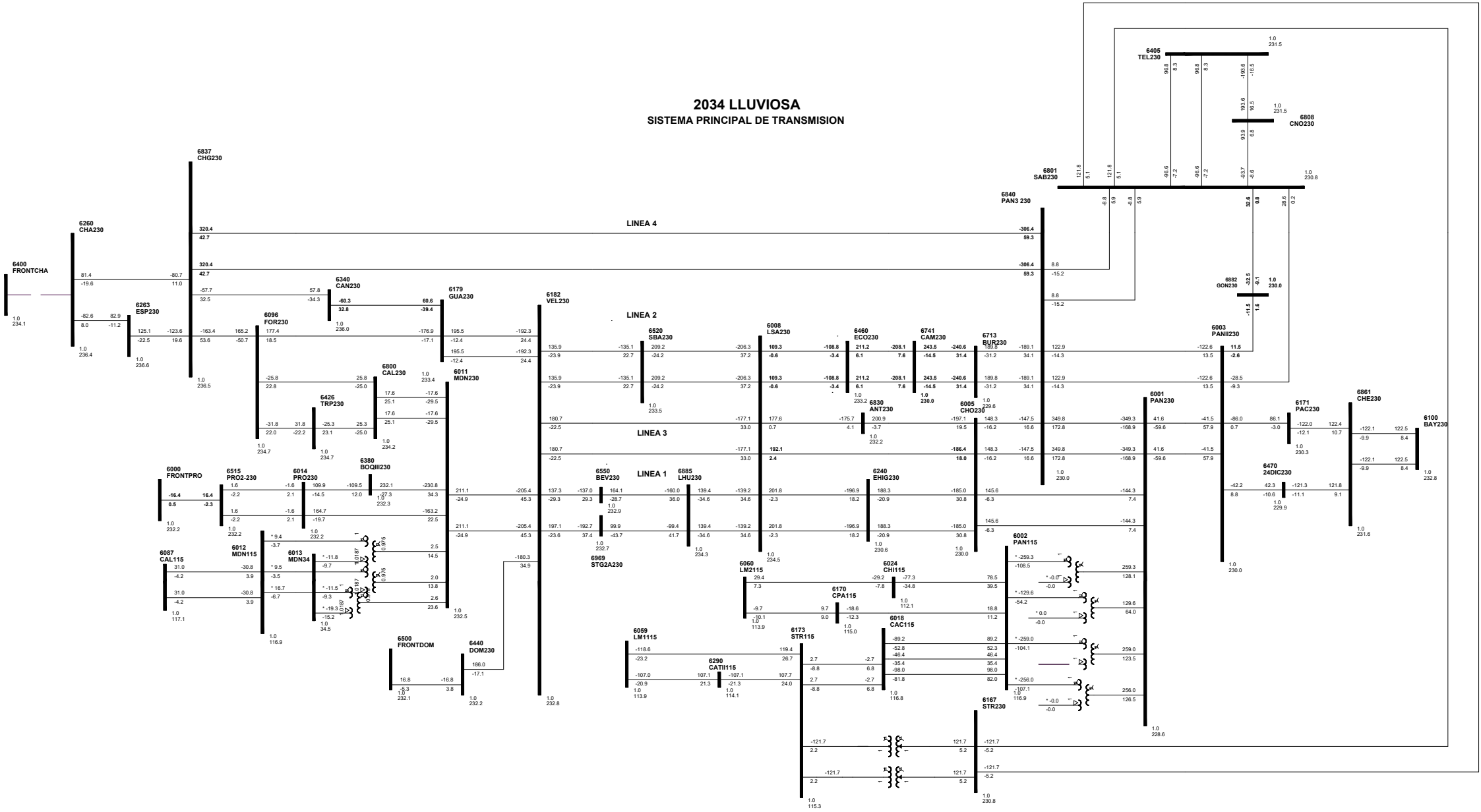
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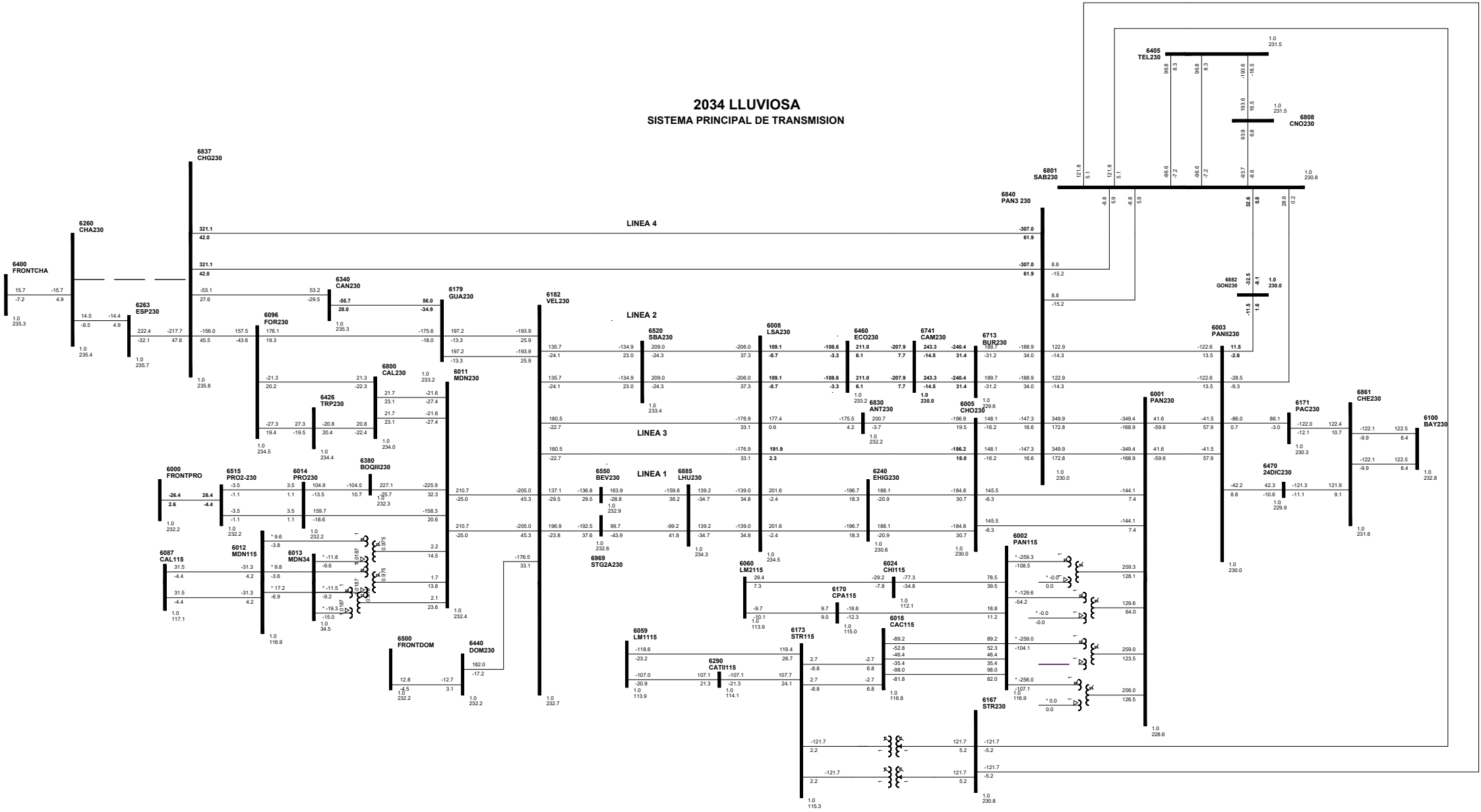
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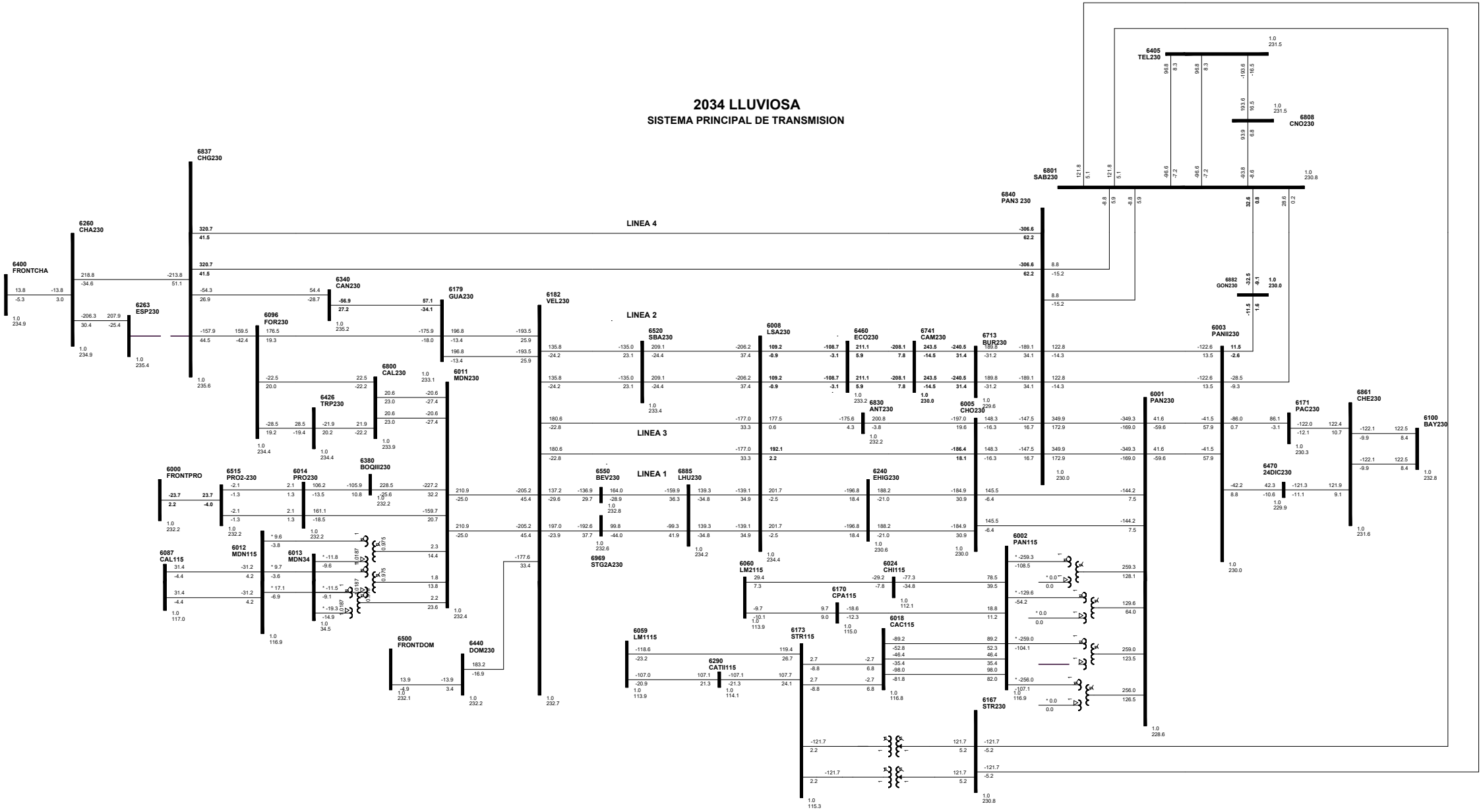
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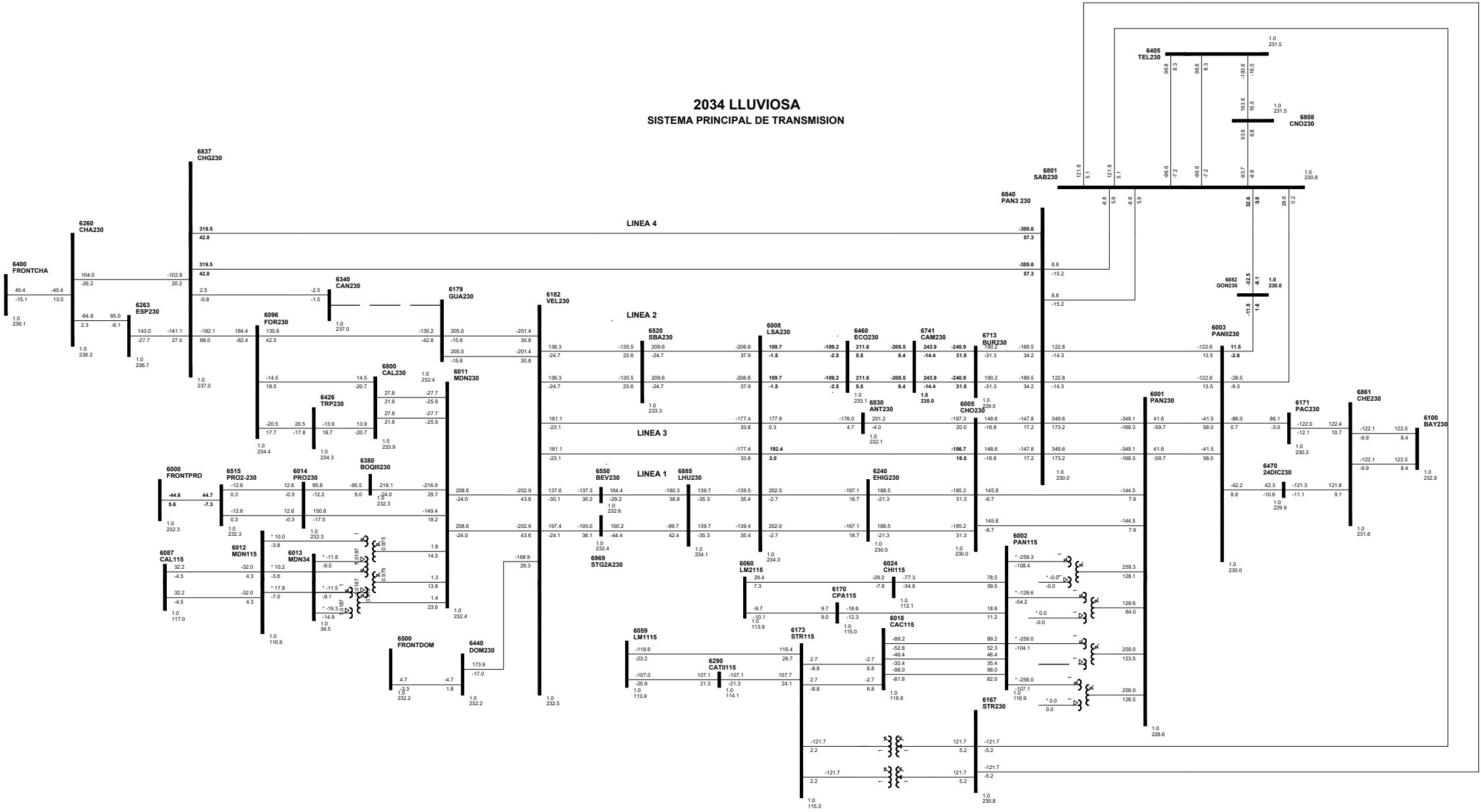
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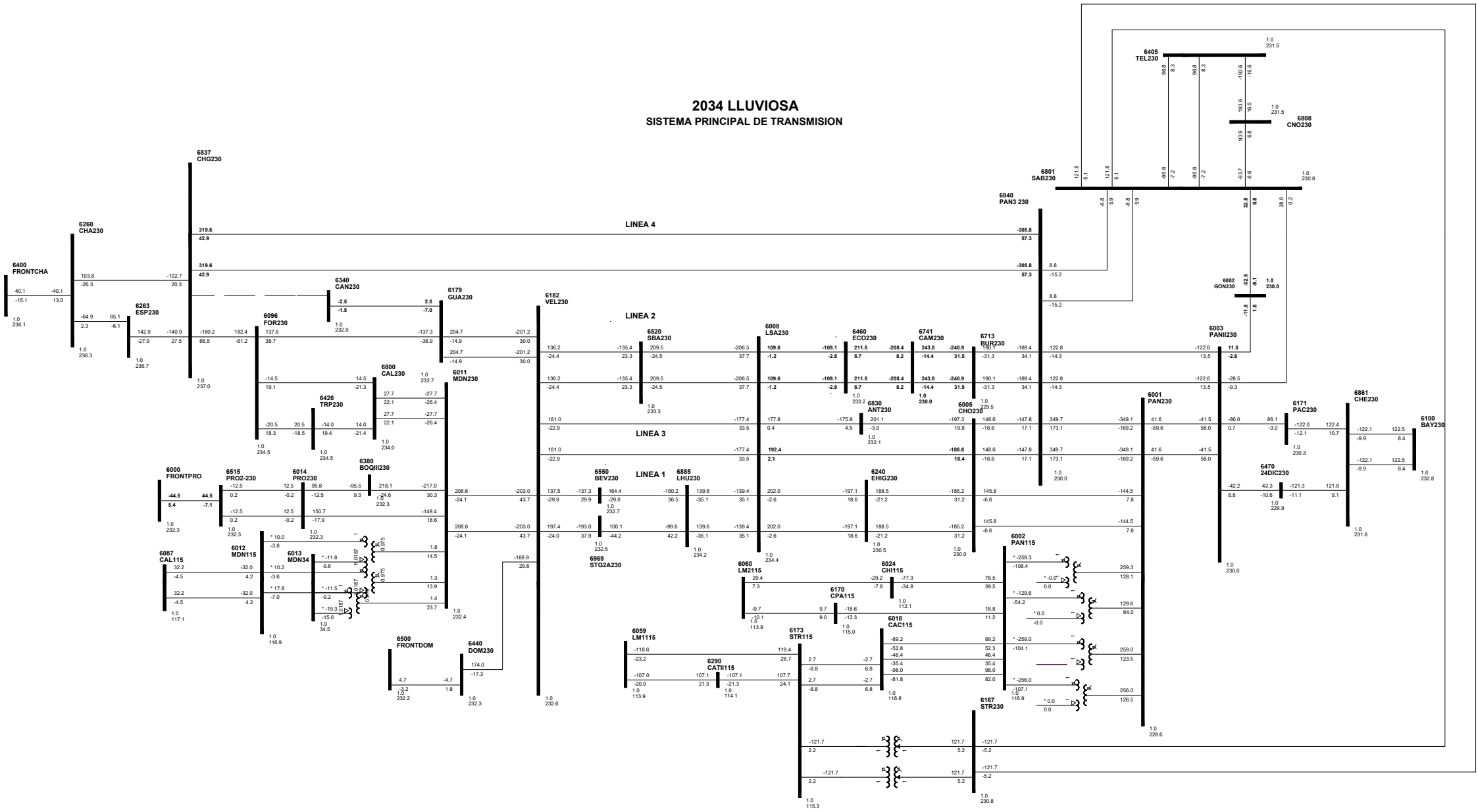
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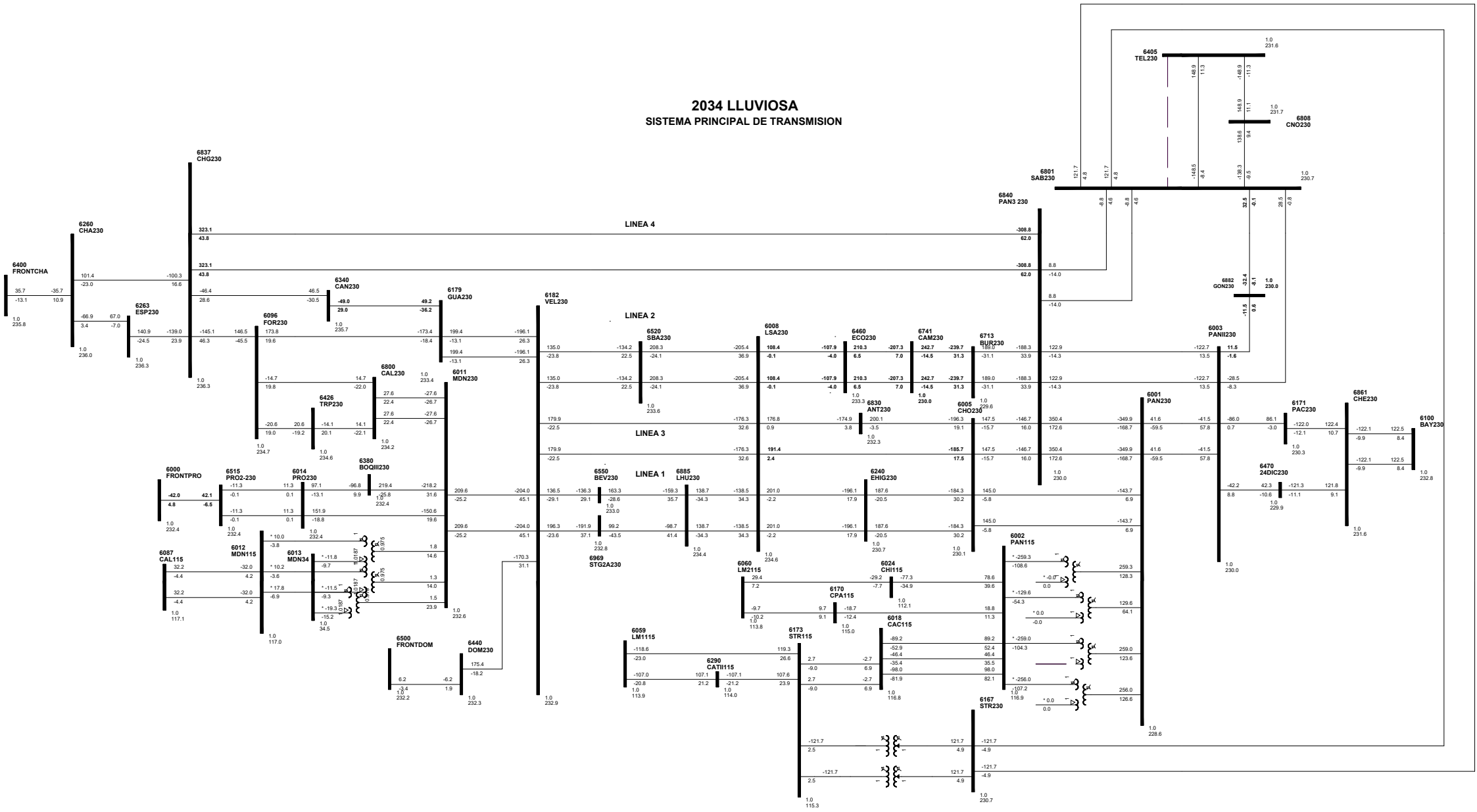
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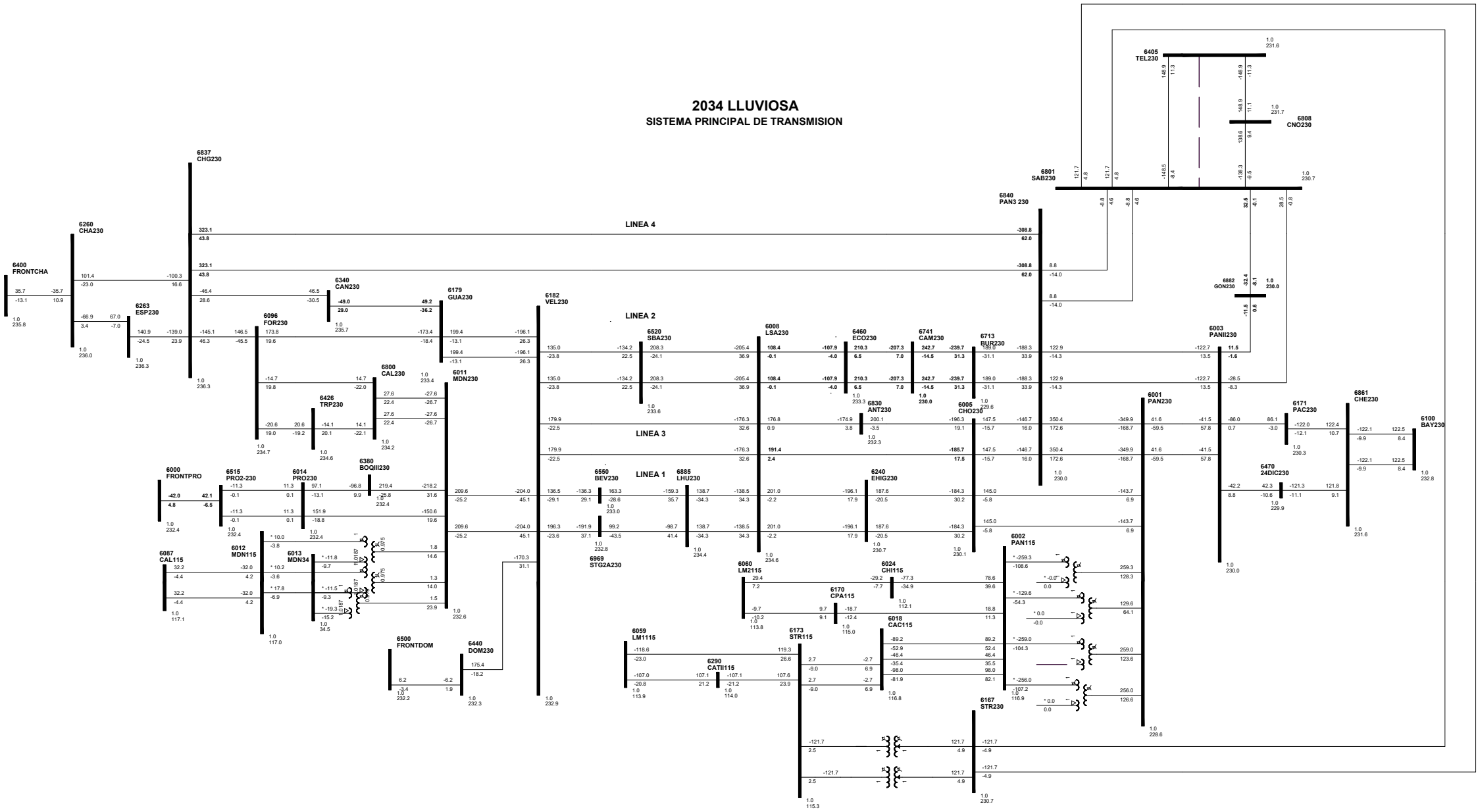
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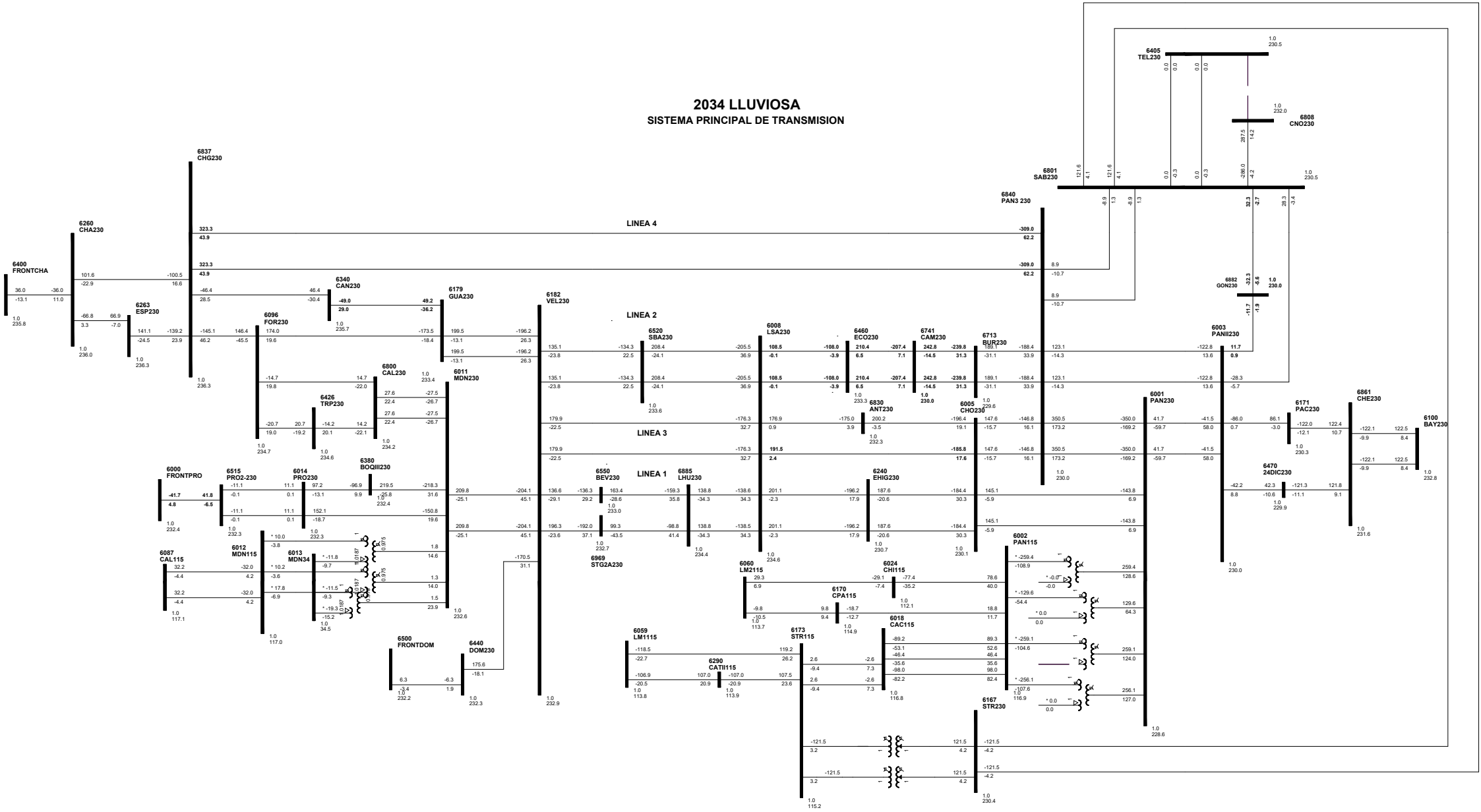
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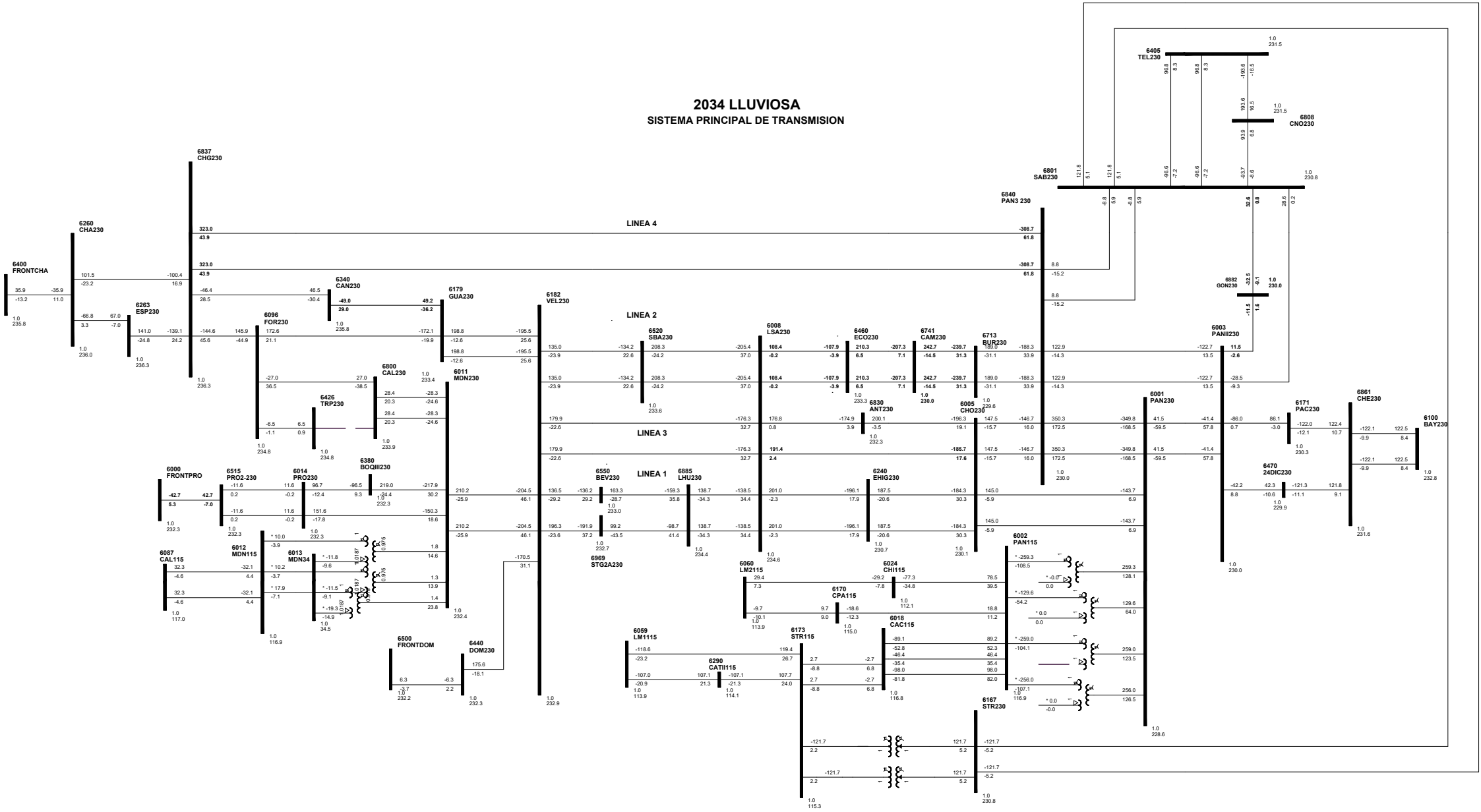
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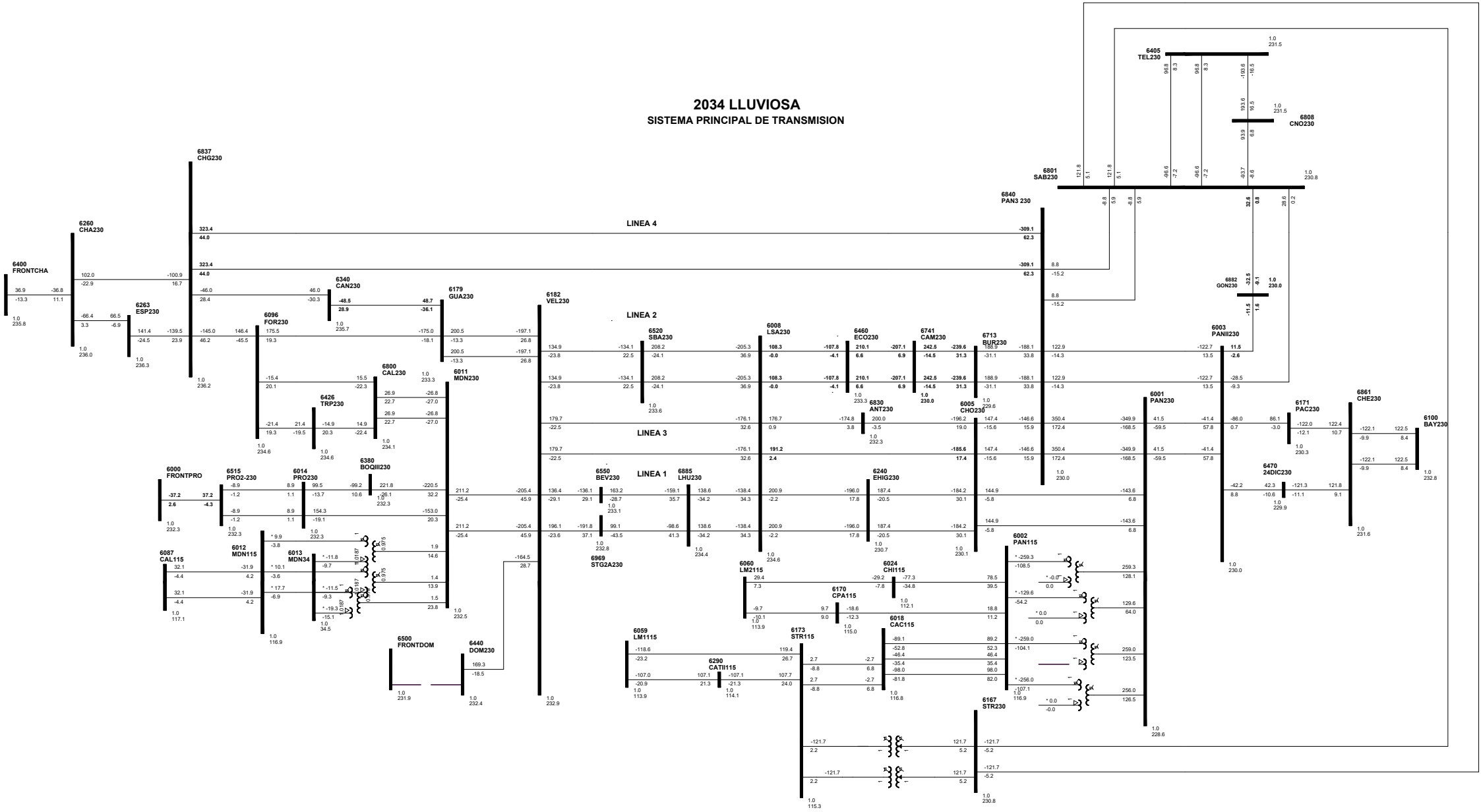
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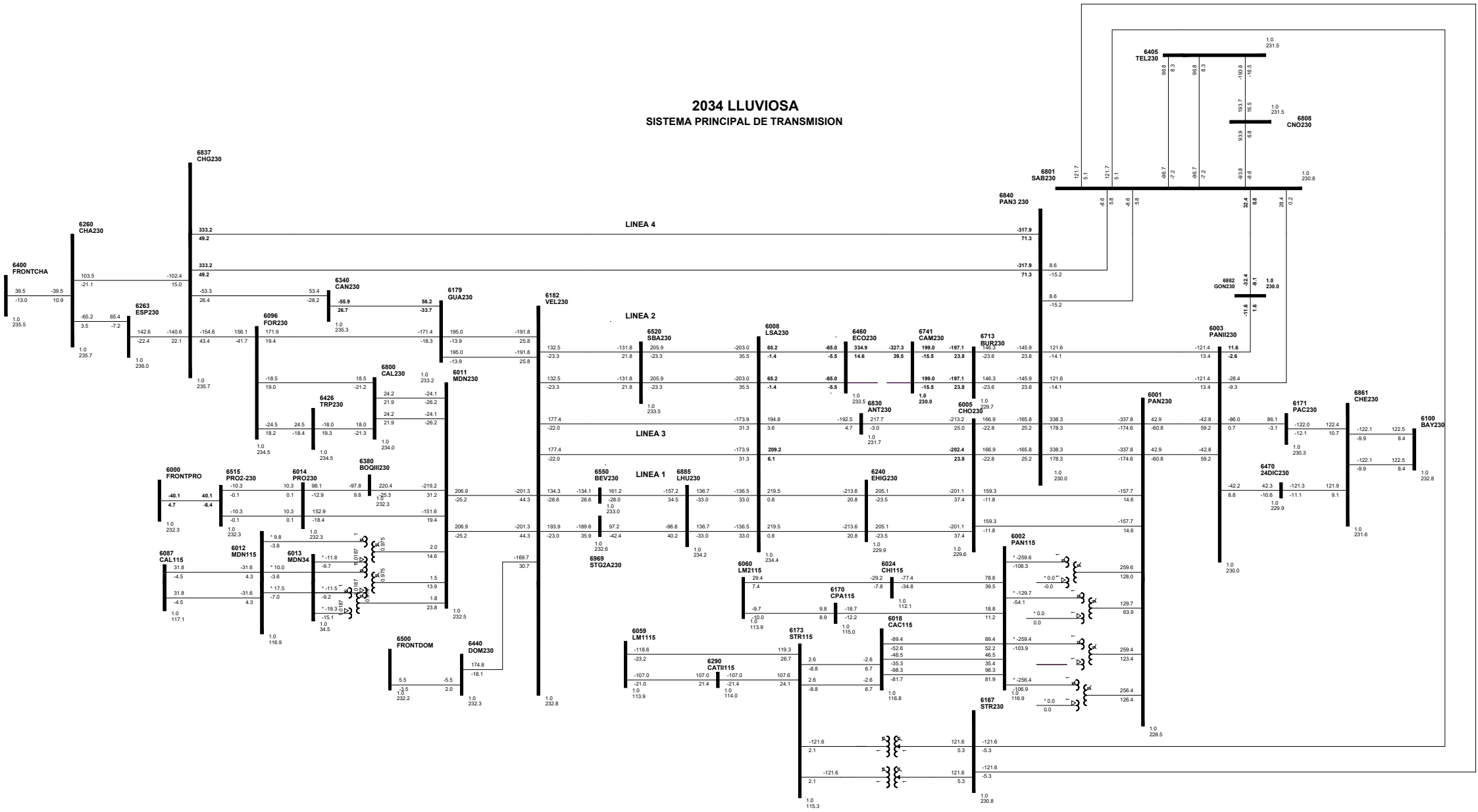
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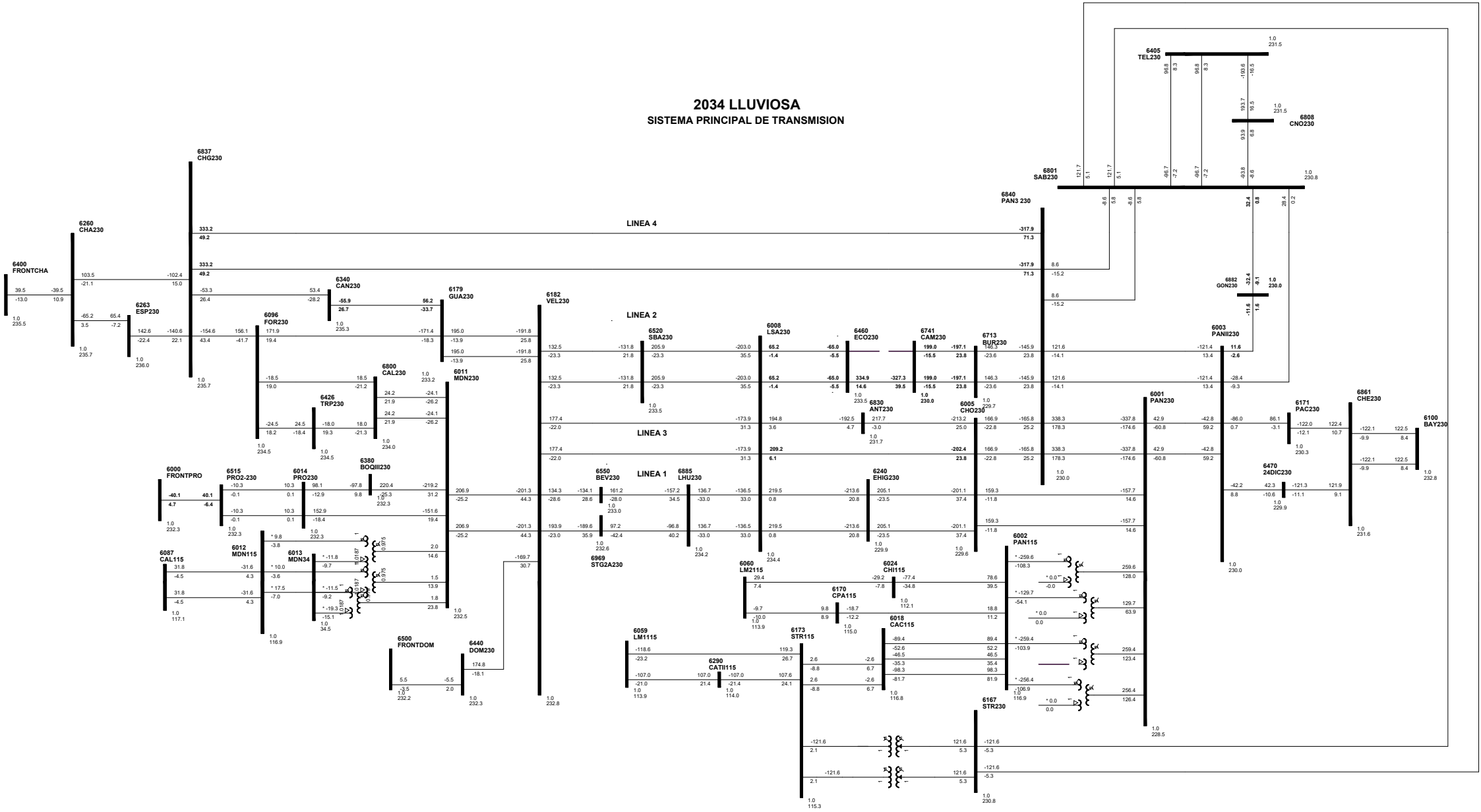
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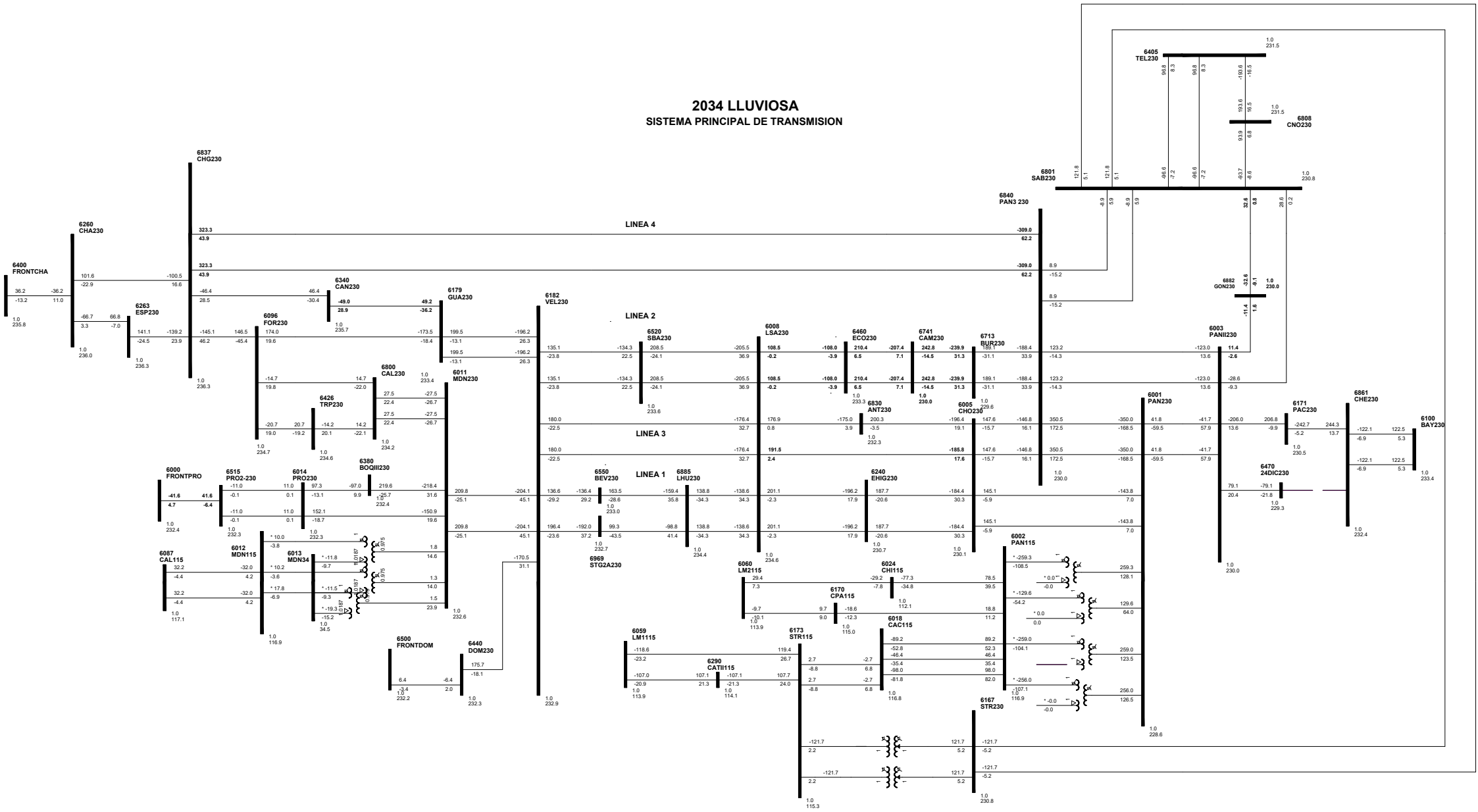
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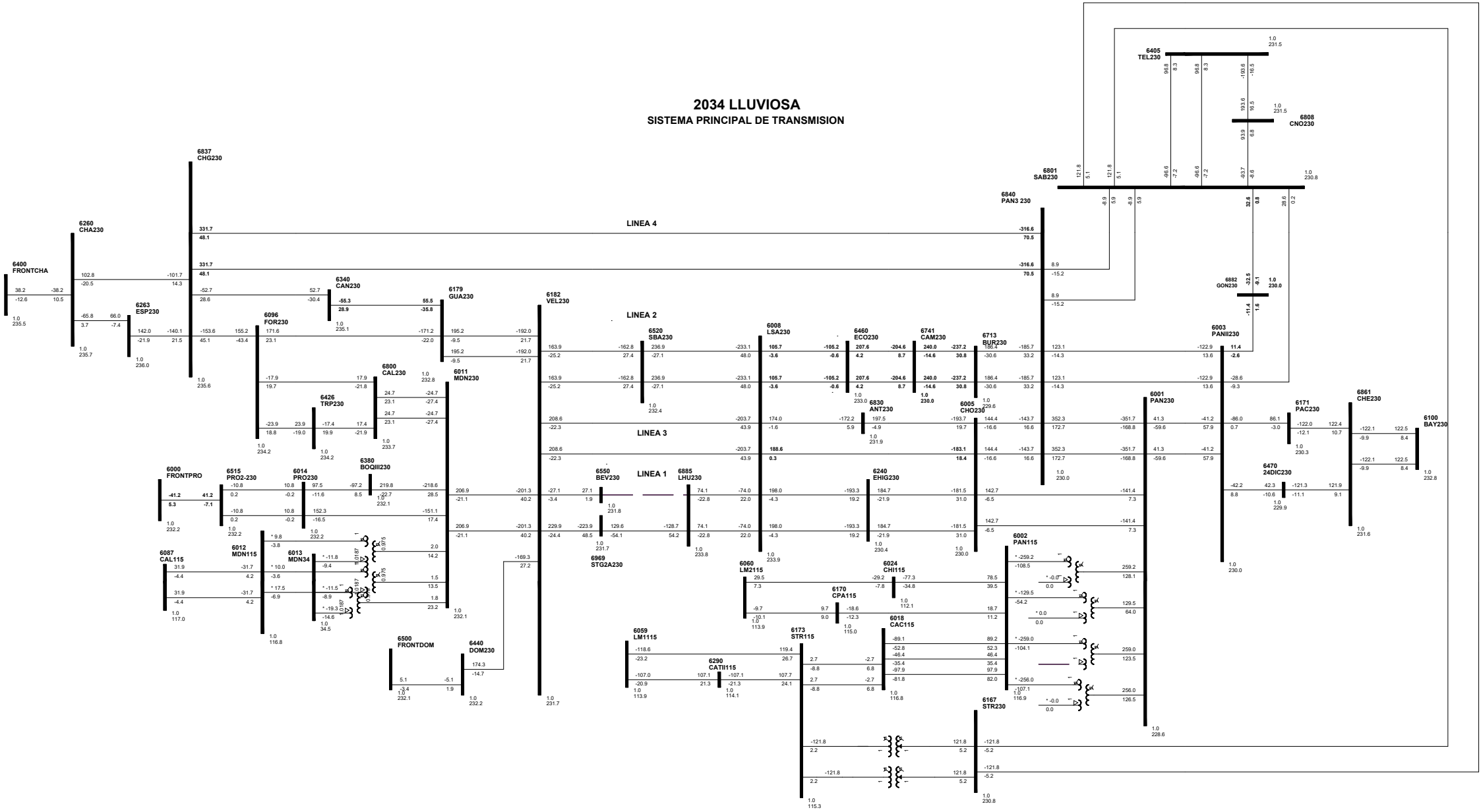
Contingencia 83



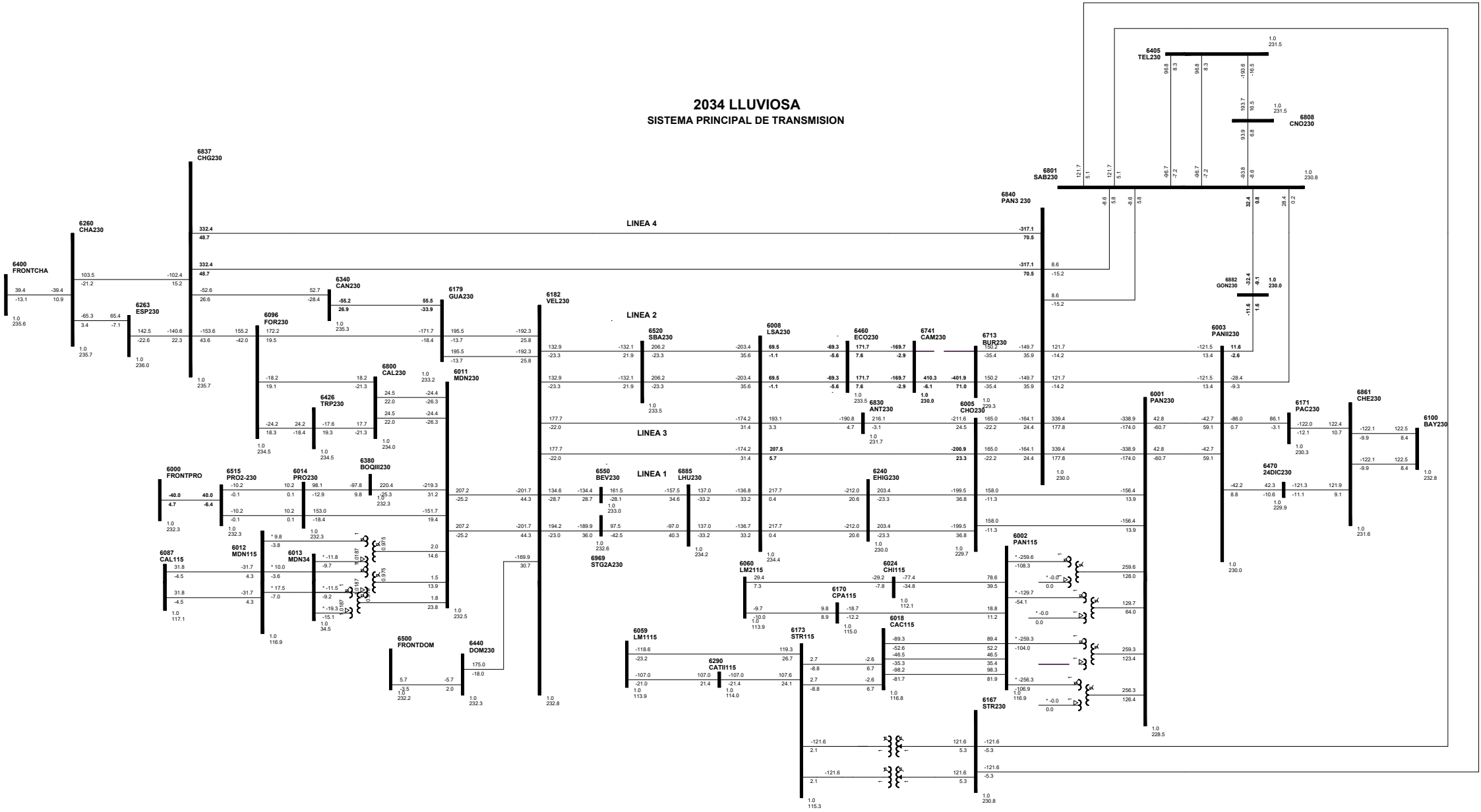
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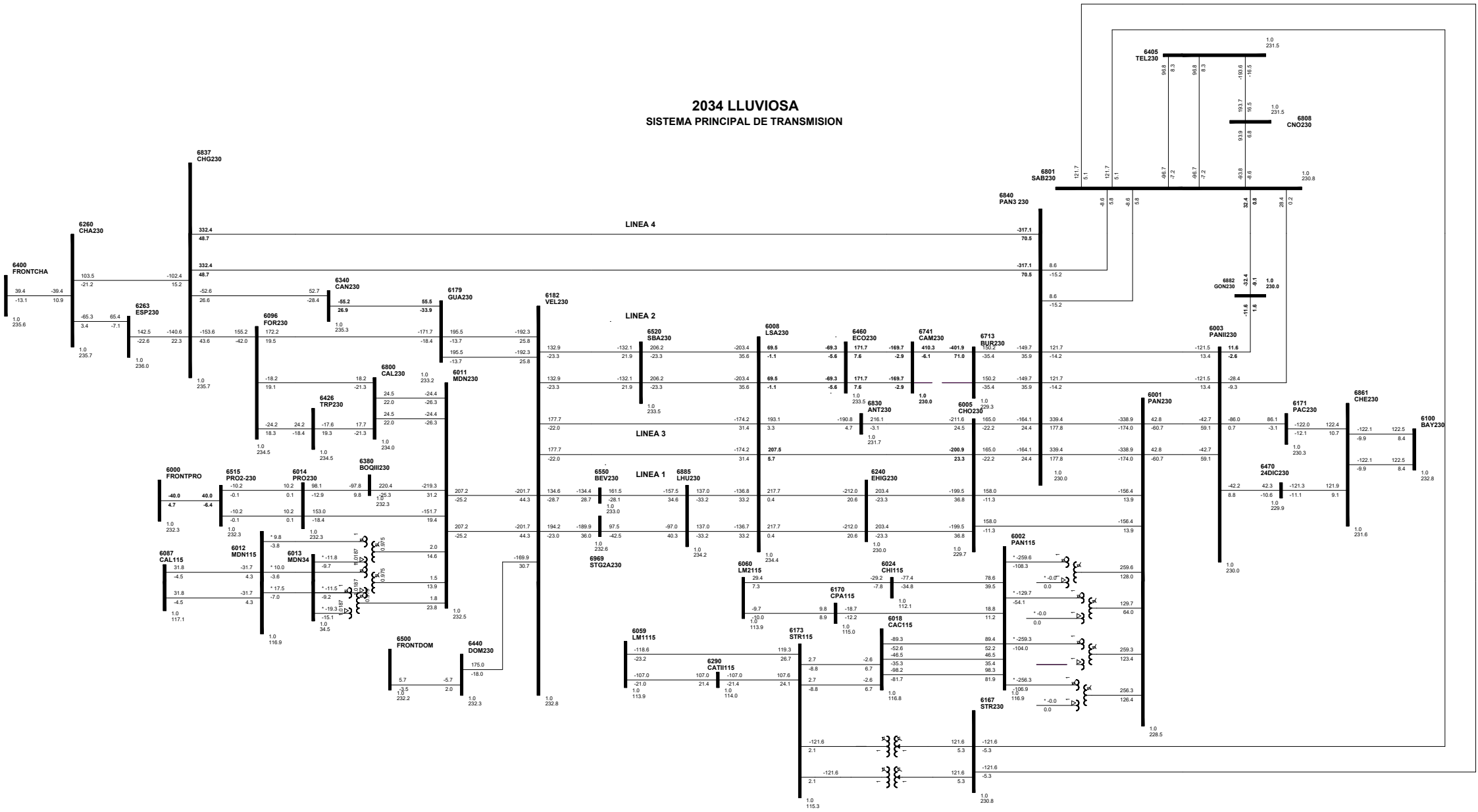
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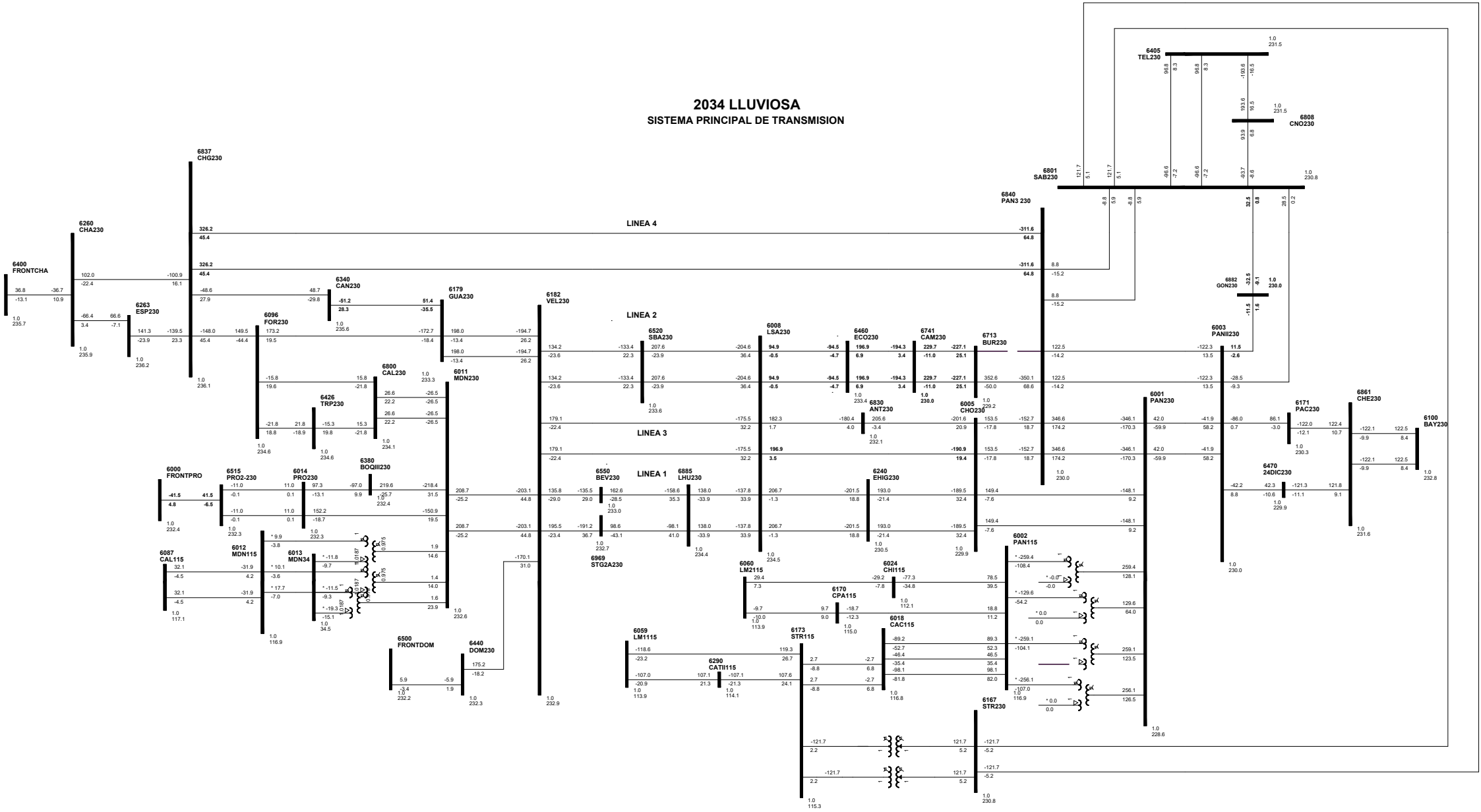
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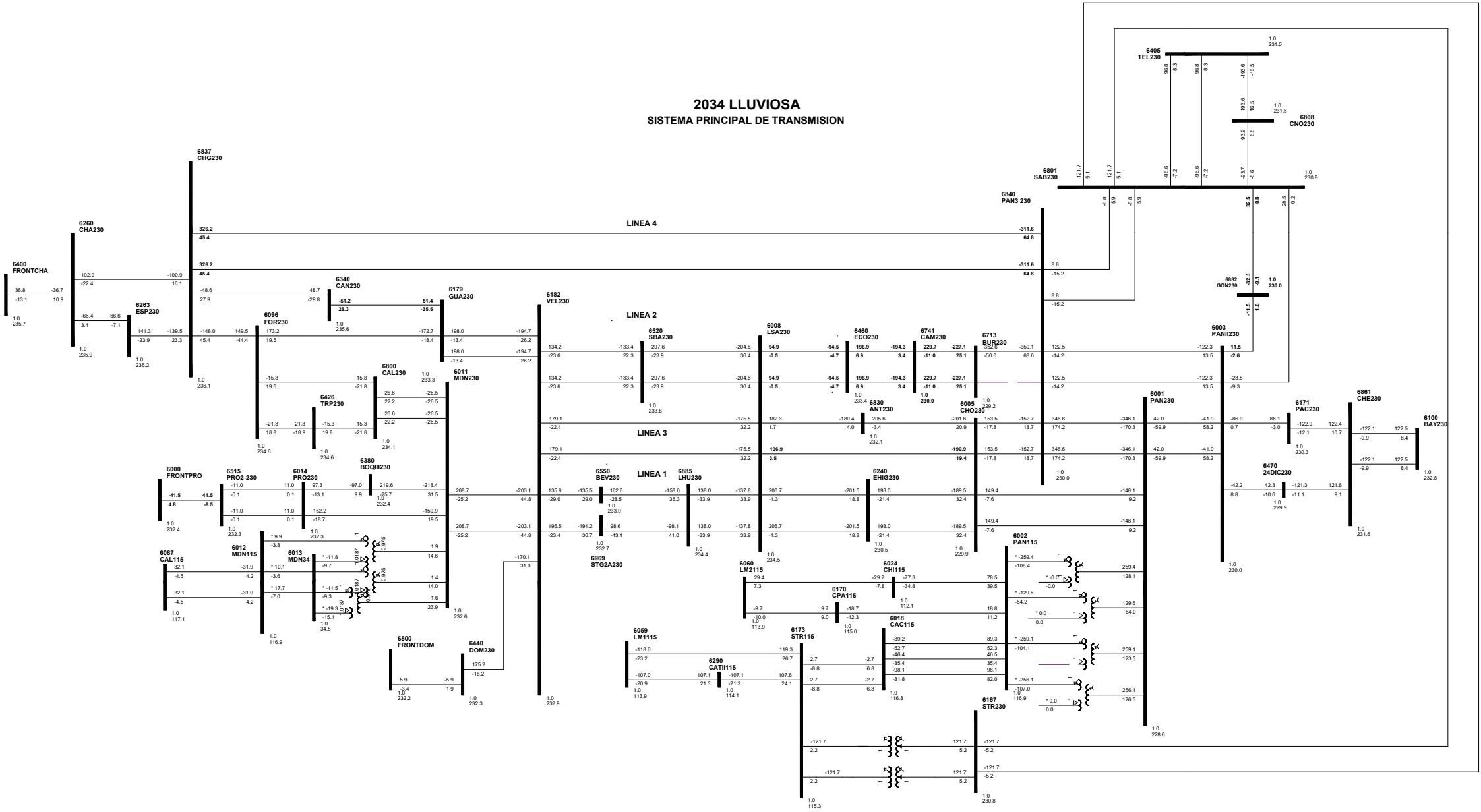
Contingencia 87



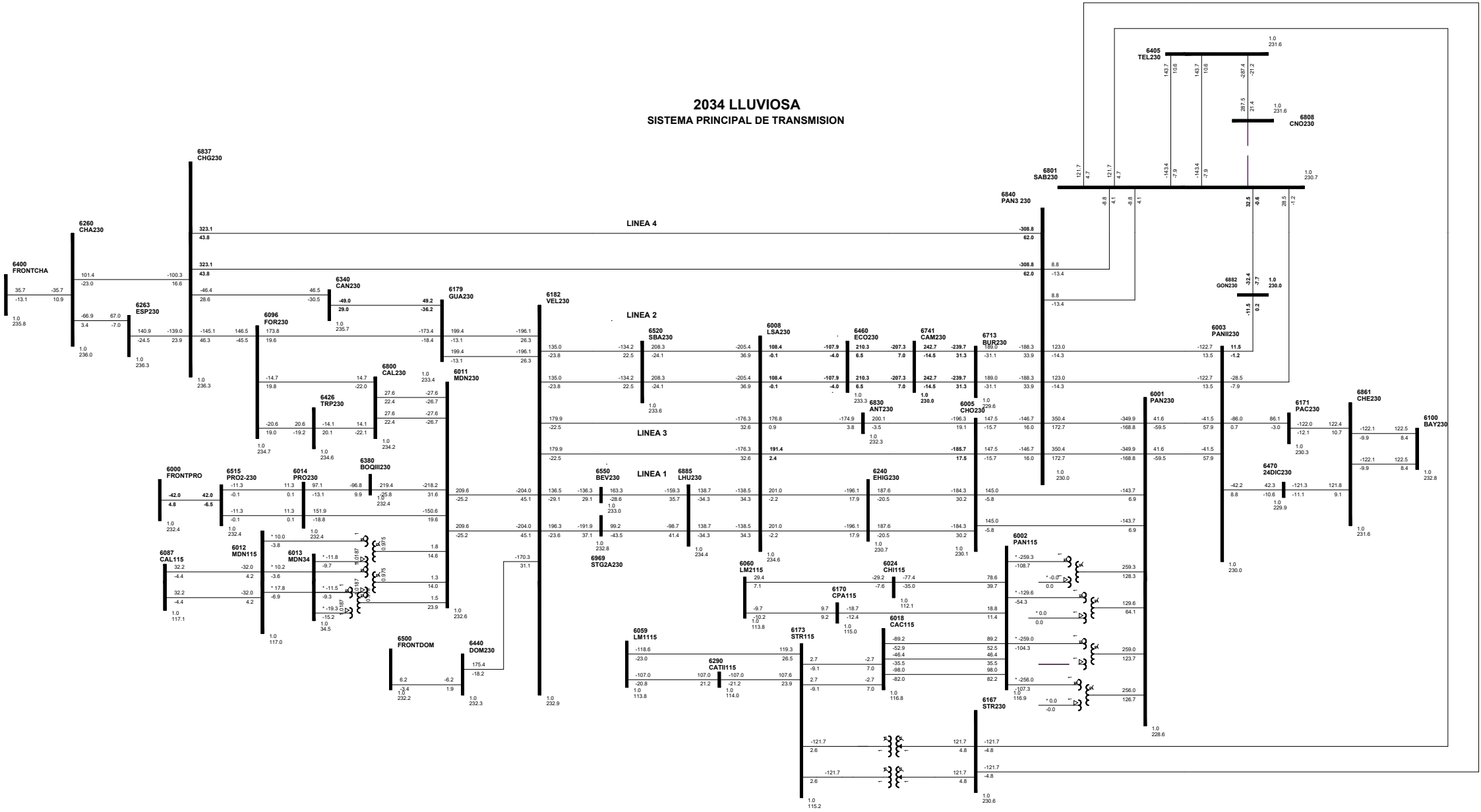
Contingencia 88



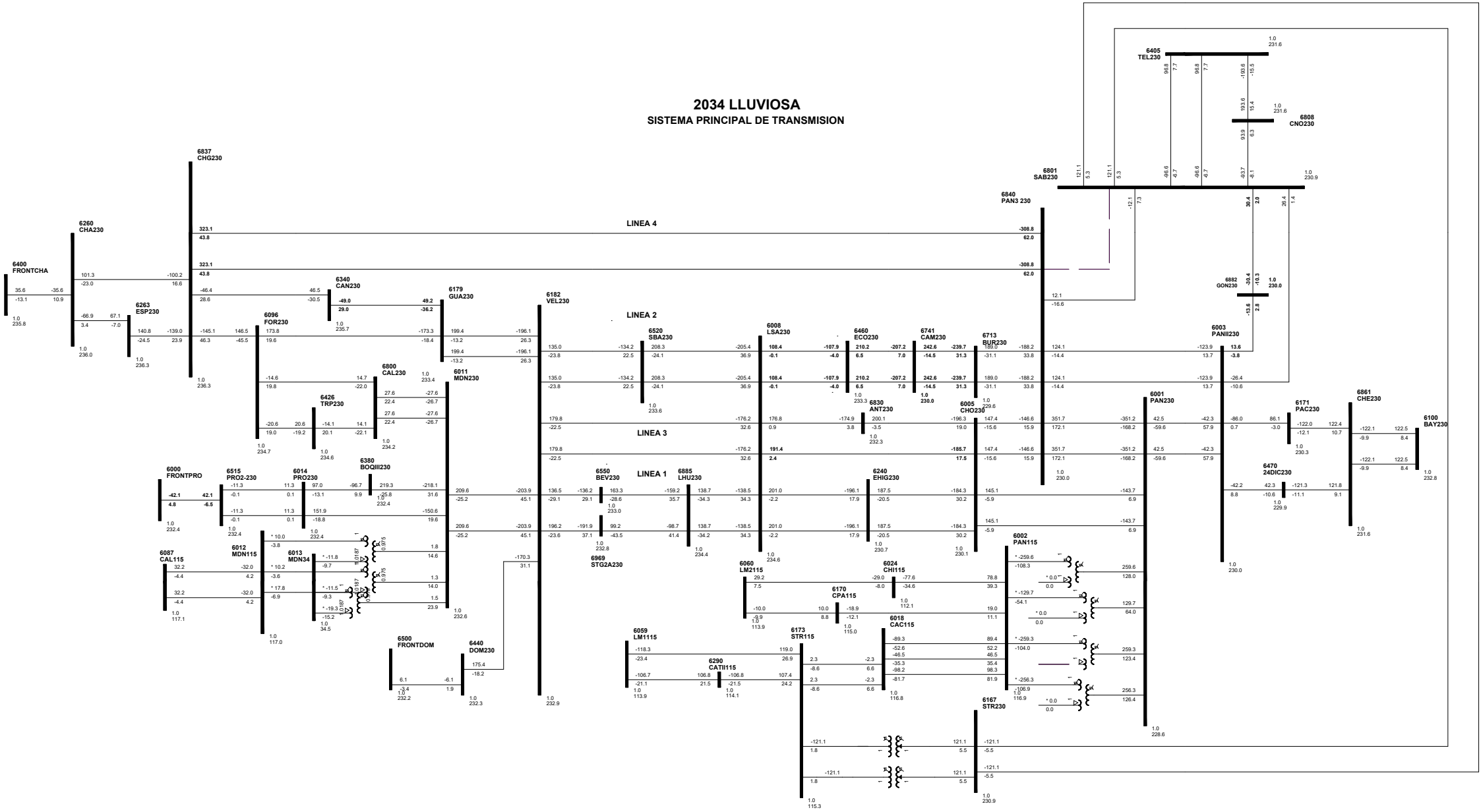
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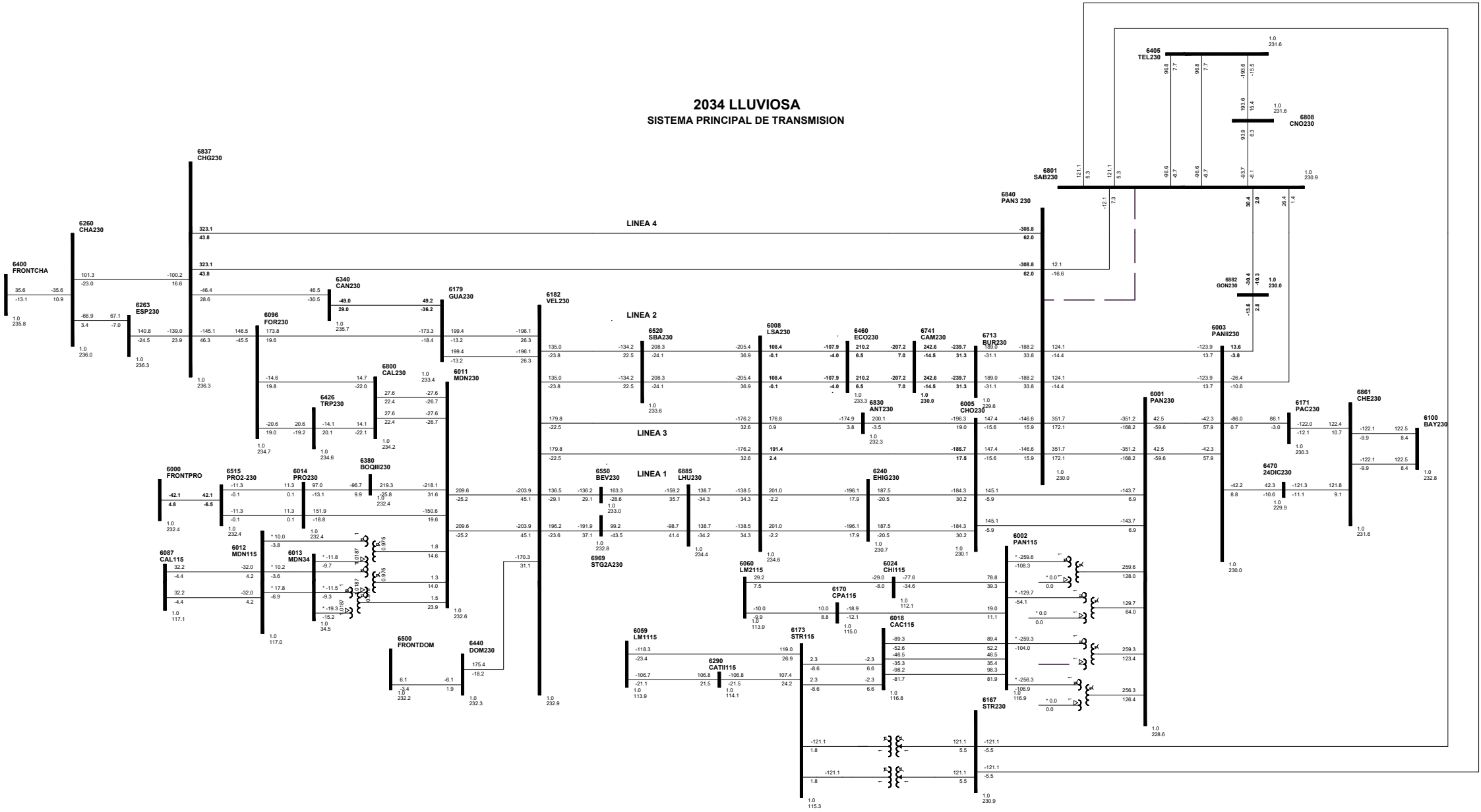
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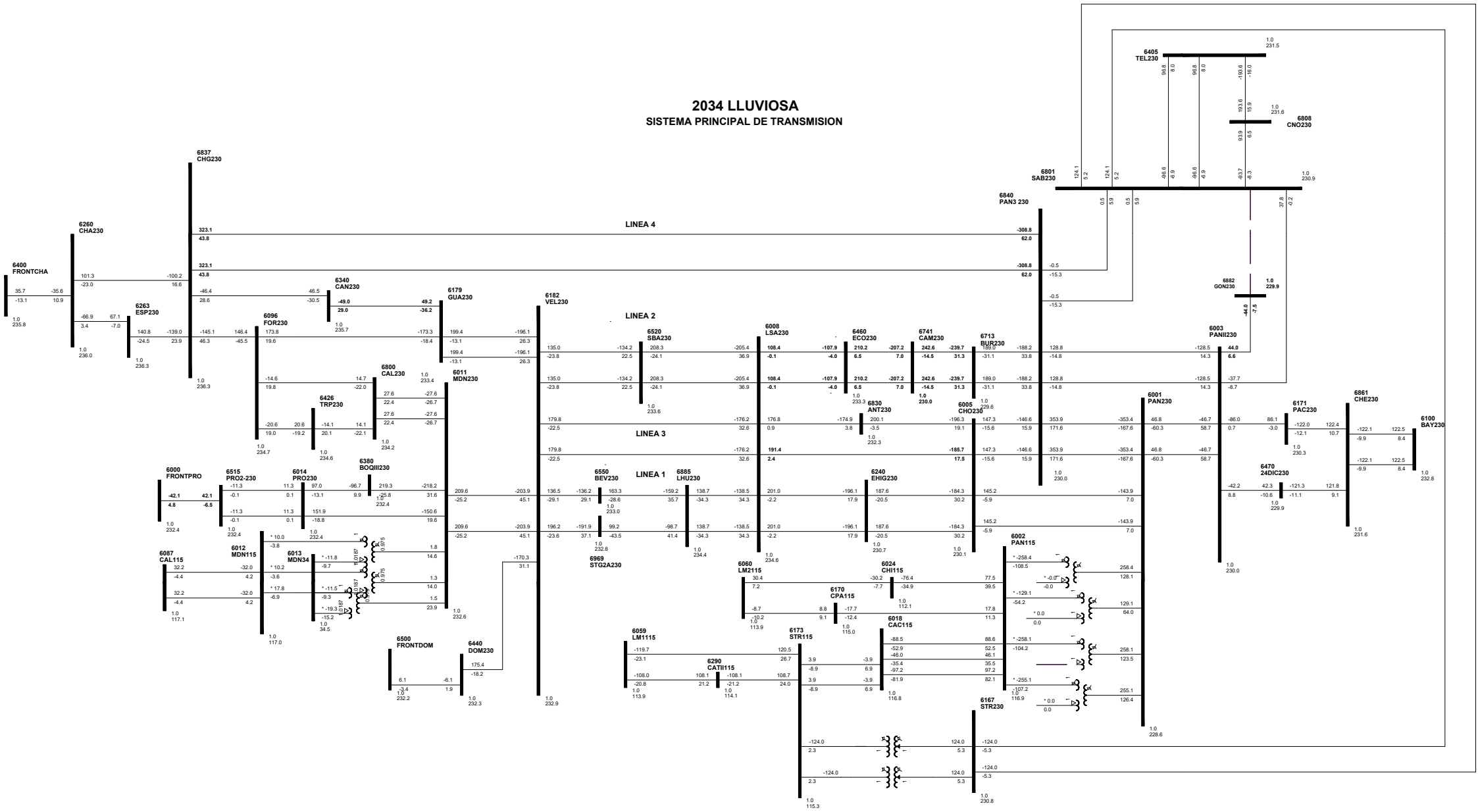
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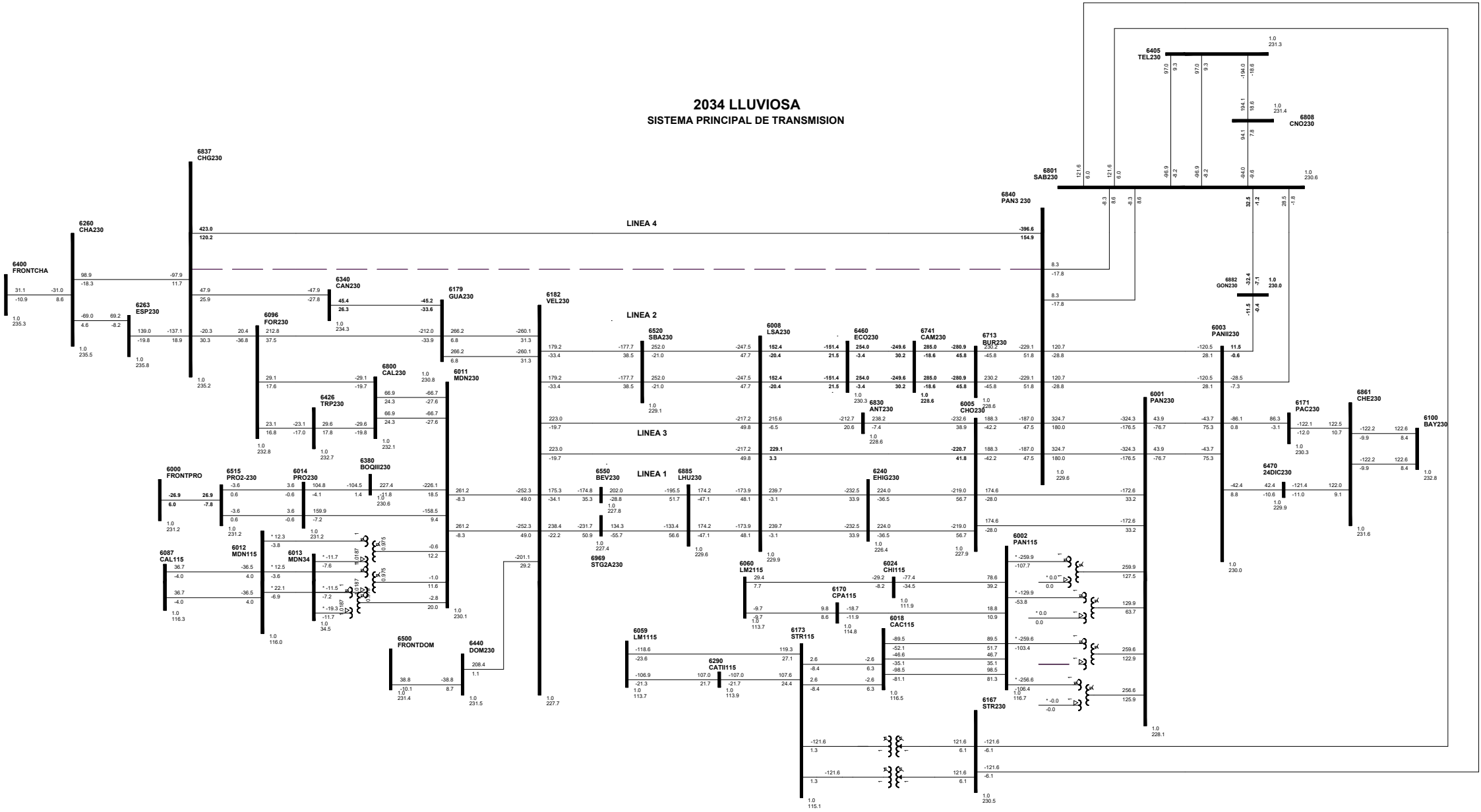
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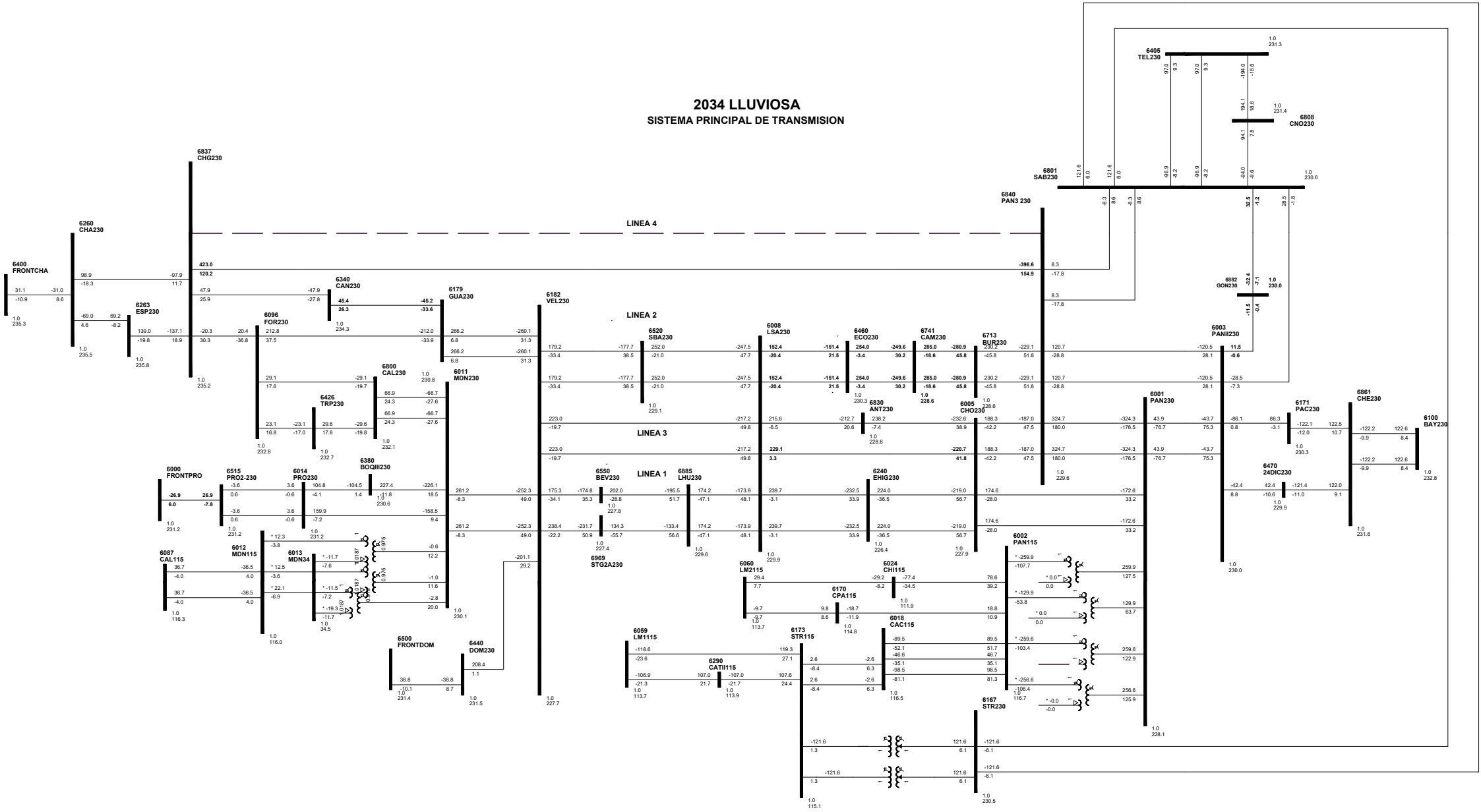
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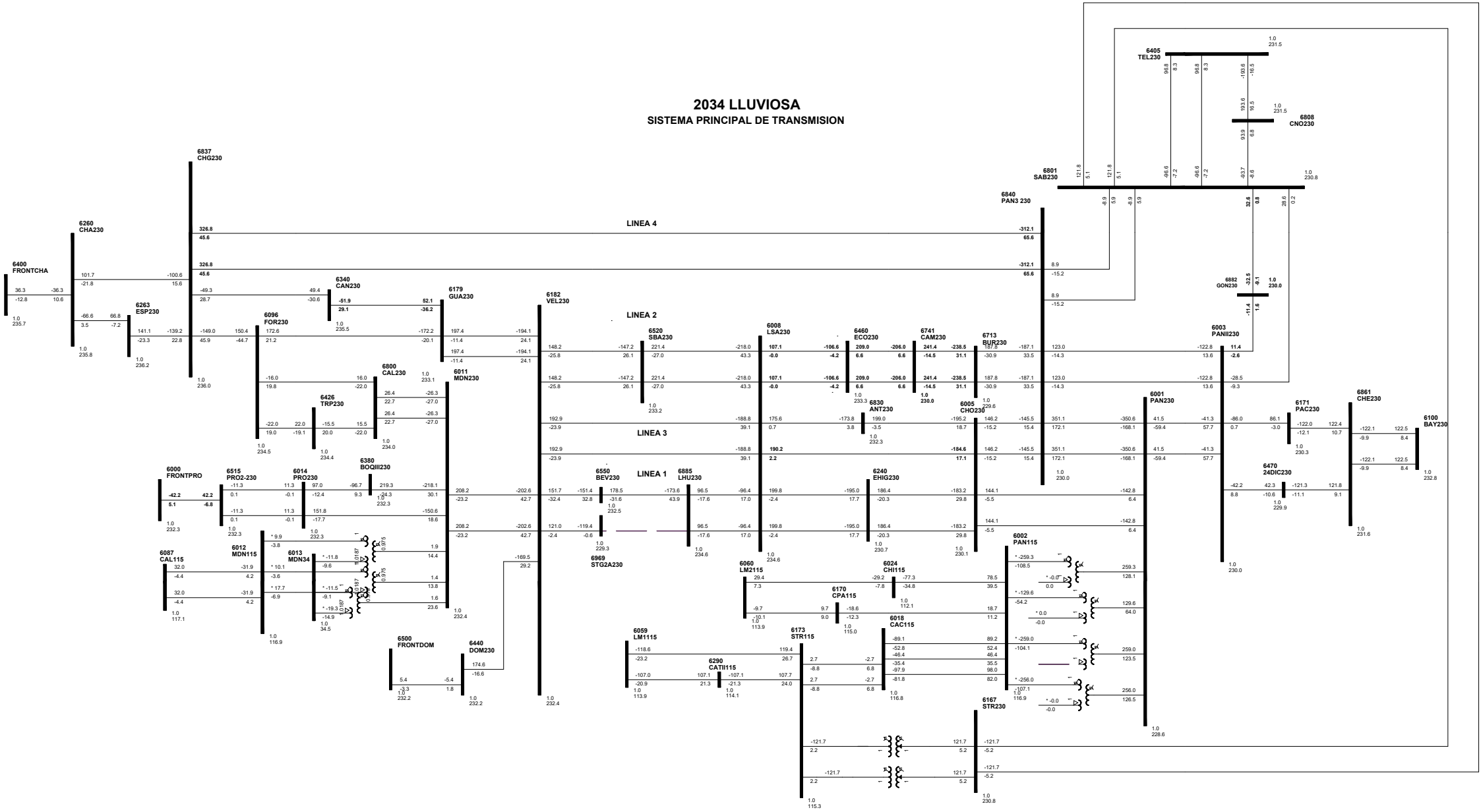
Contingencia 94



Contingencia 95



Contingencia 96

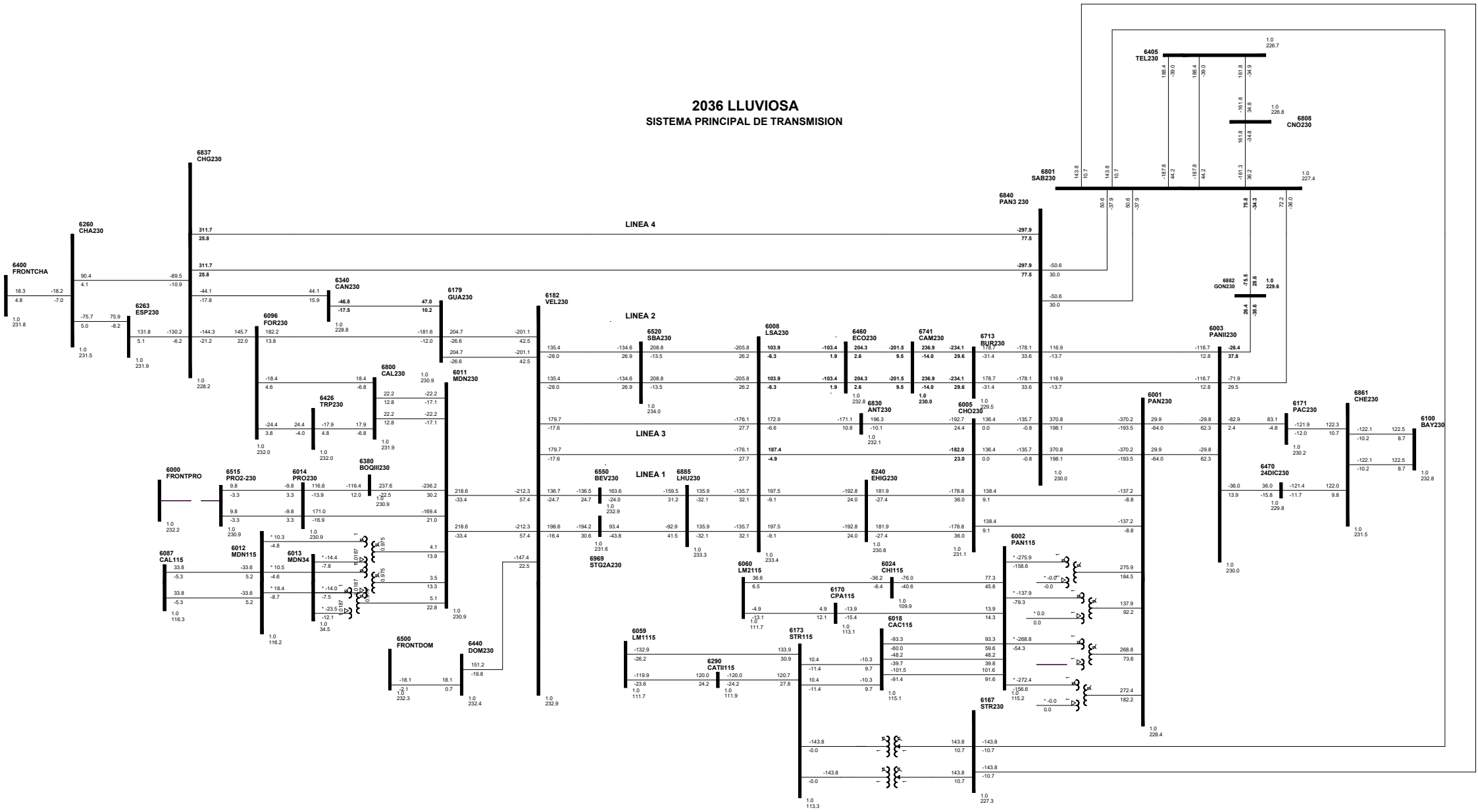


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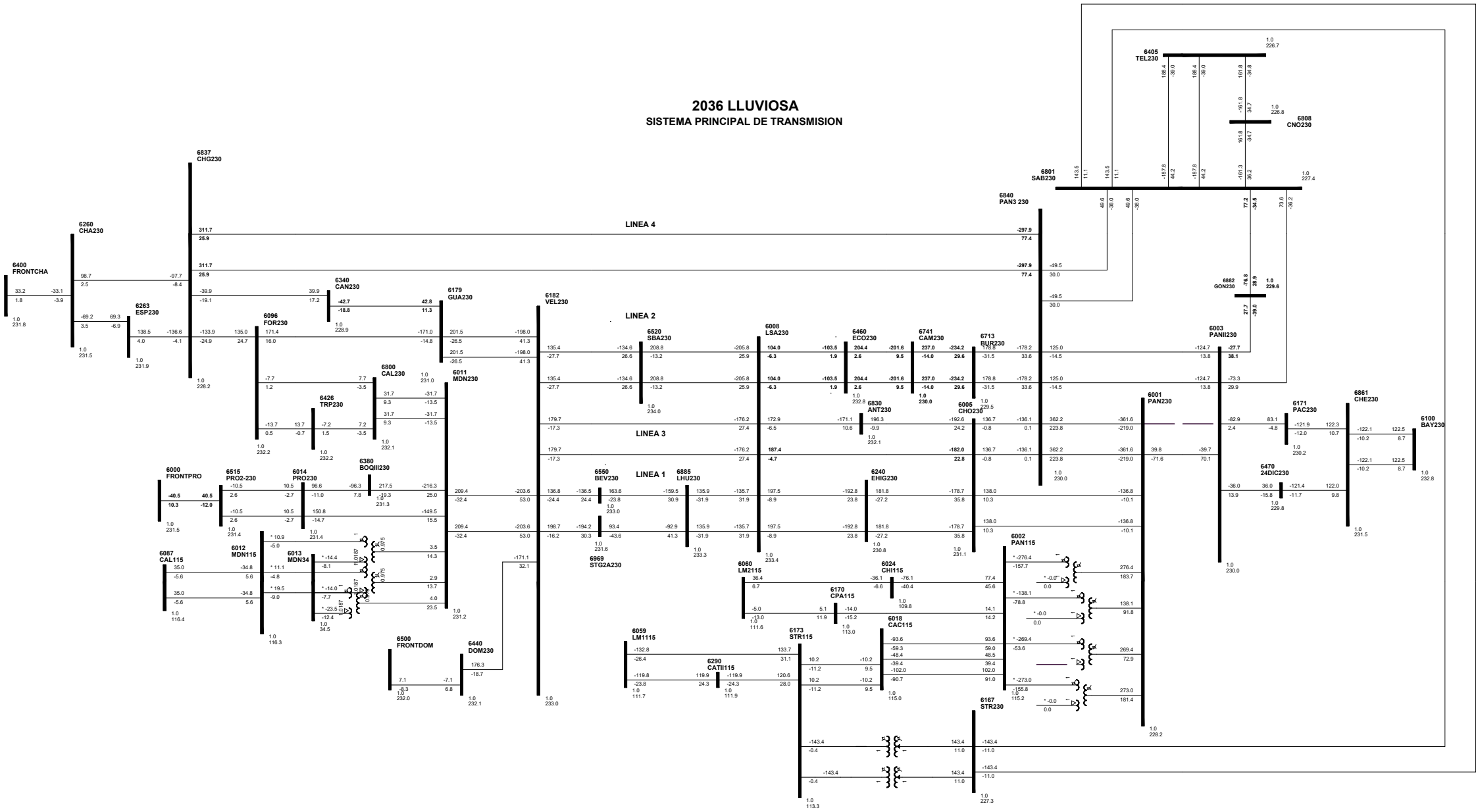
Listado de Contingencias 2036 Máxima Lluviosa

No. Cont	Cont
C1	6000-6515-1
C2	6001-6003-1D
C3	6001-6003-2D
C4	6001-6005-3A
C5	6001-6005-4A
C6	6001-6840-7A
C7	6001-6840-8A
C8	6002-6018-1
C9	6002-6018-12
C10	6002-6018-37
C11	6002-6024-3A
C12	6002-6170-4A
C13	6003-6171-1C
C14	6003-6470-2C
C15	6003-6801-55
C16	6003-6840-2A
C17	6003-6840-3A
C18	6003-6882-4A
C19	6005-6008-50
C20	6005-6240-3B
C21	6005-6240-4B
C22	6005-6830-9A
C23	6005-6840-7B
C24	6005-6840-8B
C25	6008-6182-51
C26	6008-6182-52
C27	6008-6240-3C
C28	6008-6240-4C
C29	6008-6460-2D
C30	6008-6460-3D
C31	6008-6520-4A
C32	6008-6520-5A
C33	6008-6830-9B
C34	6008-6885-5A
C35	6008-6885-6A
C36	6011-6014-39
C37	6011-6182-5D
C38	6011-6182-6D
C39	6011-6380-9A
C40	6011-6800-7A
C41	6011-6800-8A
C42	6012-6087-15
C43	6012-6087-16
C44	6014-6380-9B
C45	6014-6515-1
C46	6014-6515-2
C47	6018-6173-1A
C48	6018-6173-2A
C49	6024-6060-3B
C50	6059-6173-2B
C51	6059-6290-1C
C52	6060-6170-4B
C53	6096-6179-18
C54	6096-6426-7C
C55	6096-6800-8B
C56	6096-6837-0A
C57	6100-6861-1A
C58	6100-6861-2A
C59	6167-6801-1
C60	6167-6801-2
C61	6171-6861-1B
C62	6173-6290-1B
C63	6179-6182-16
C64	6179-6182-17
C65	6179-6401-29
C66	6182-6440-5A
C67	6182-6520-4B
C68	6182-6520-5B
C69	6182-6550-6C
C70	6182-6969-5C
C71	6260-6263-0C
C72	6260-6400-21
C73	6260-6837-0B
C74	6263-6837-0B
C75	6340-6401-29
C76	6340-6837-0A
C77	6405-6801-1
C78	6405-6801-2
C79	6405-6808-1
C80	6426-6800-7B
C81	6440-6500-5B
C82	6460-6741-2D
C83	6460-6741-3D
C84	6470-6861-2B
C85	6550-6885-6B
C86	6713-6741-2C
C87	6713-6741-3C
C88	6713-6840-2B
C89	6713-6840-3B
C90	6801-6808-1
C91	6801-6840-1
C92	6801-6840-2
C93	6801-6882-4B
C94	6837-6840-1
C95	6837-6840-2
C96	6885-6969-5B

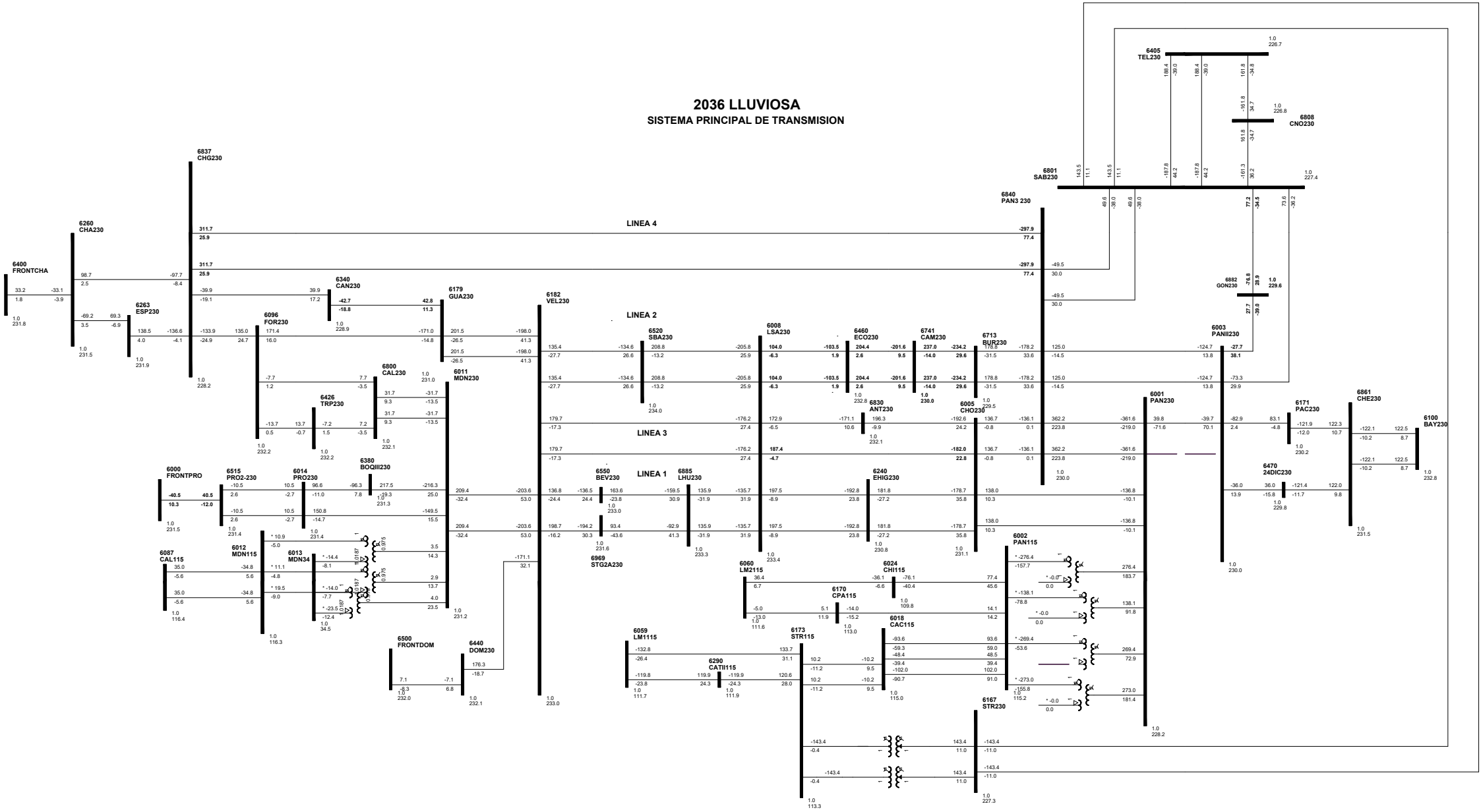
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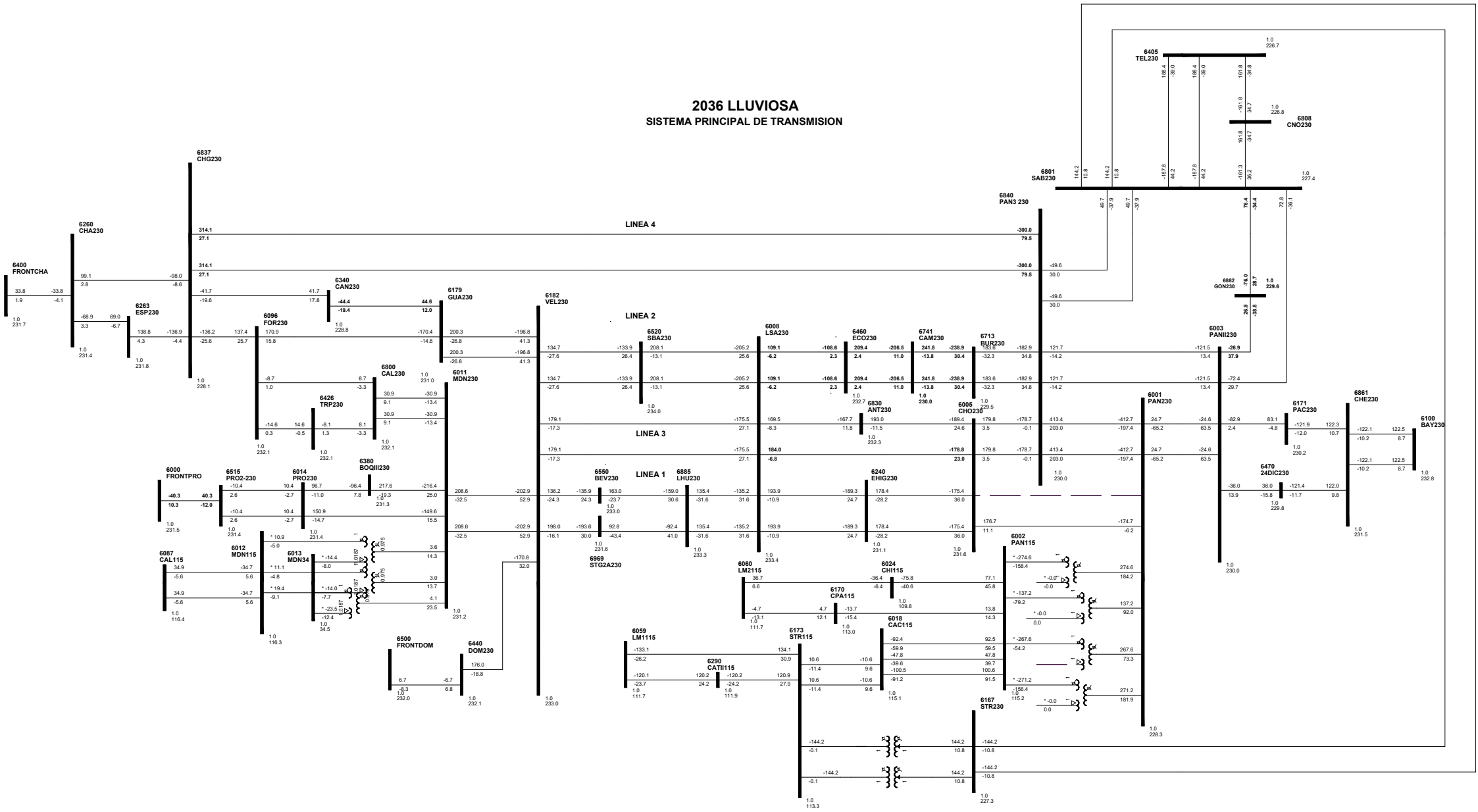
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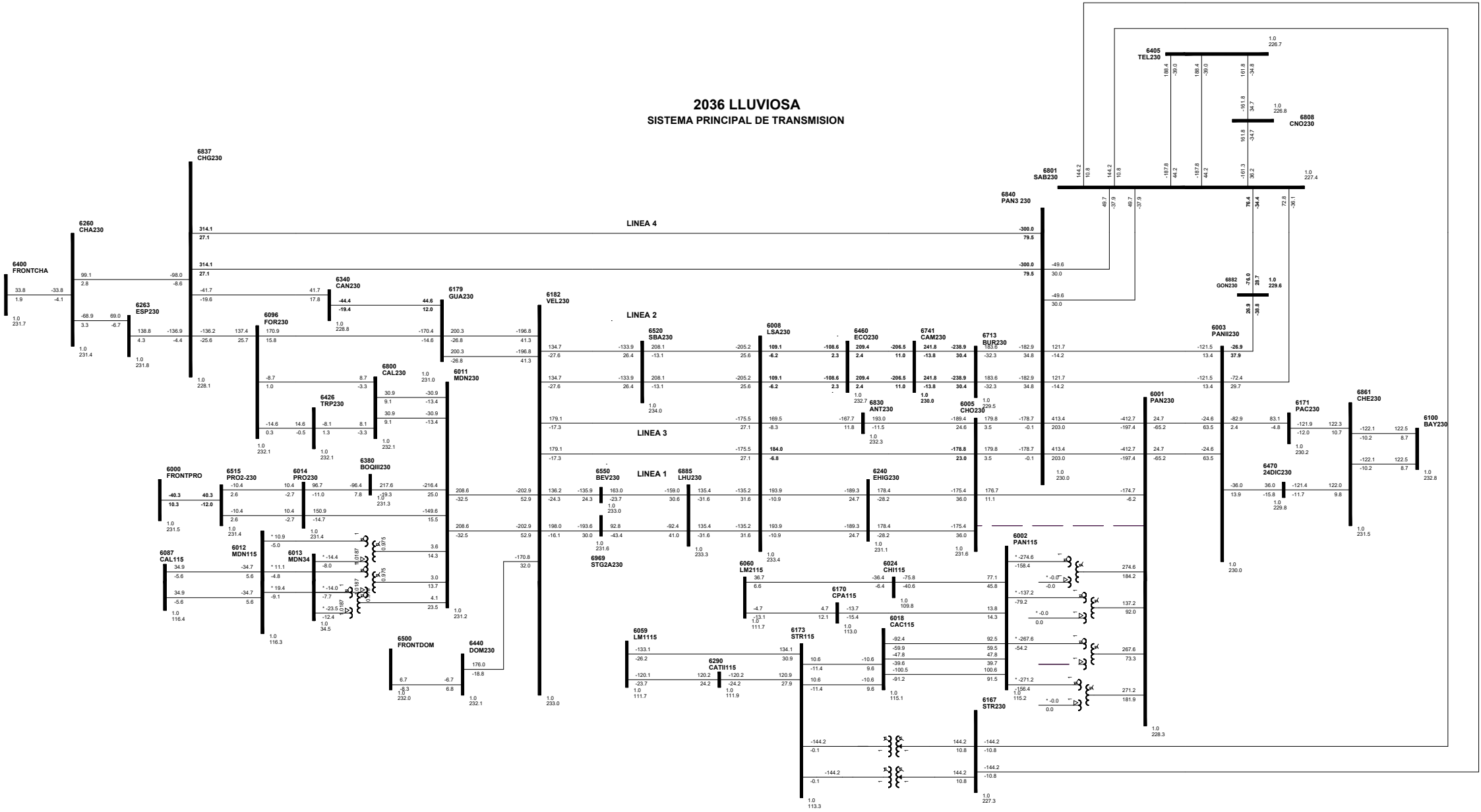
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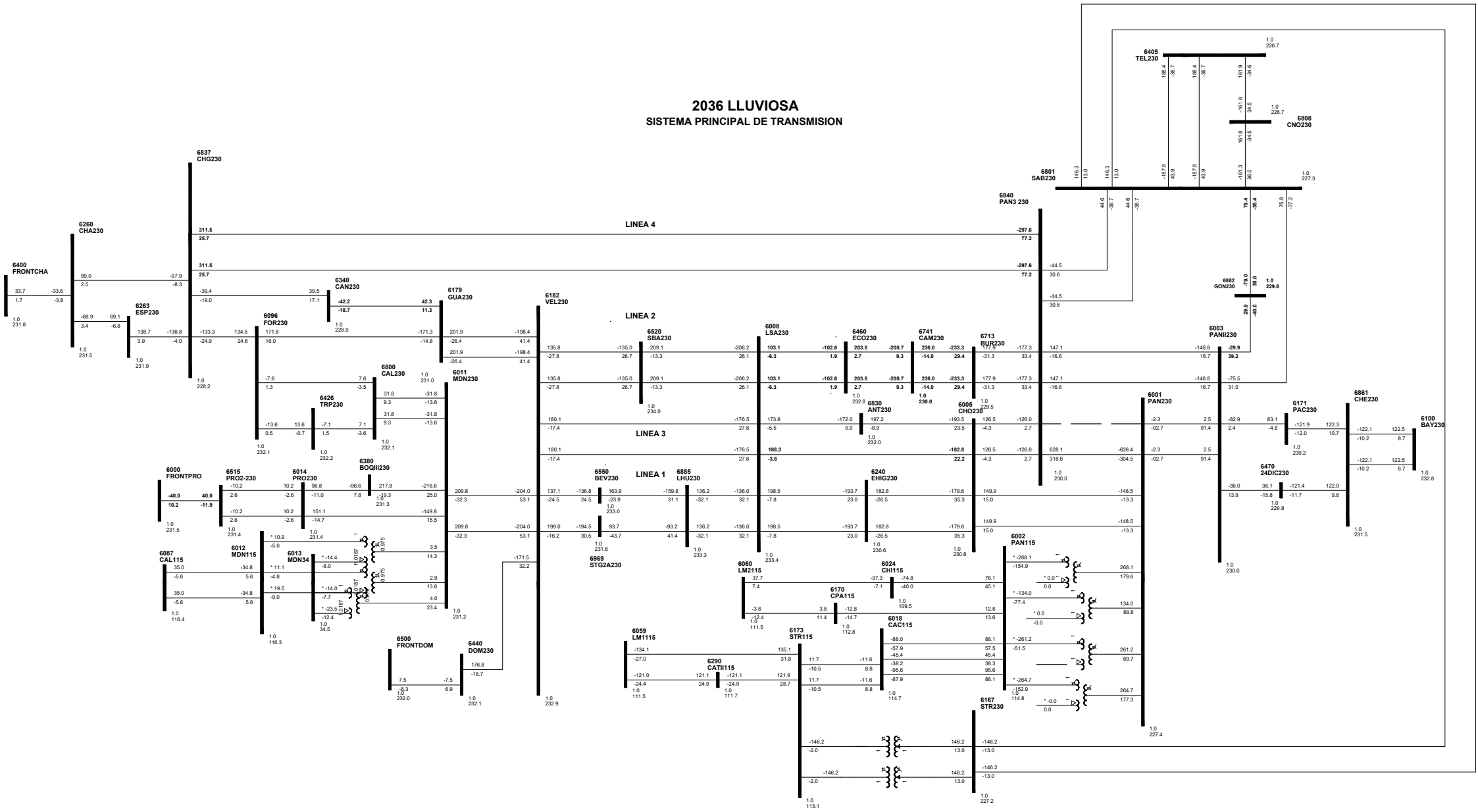
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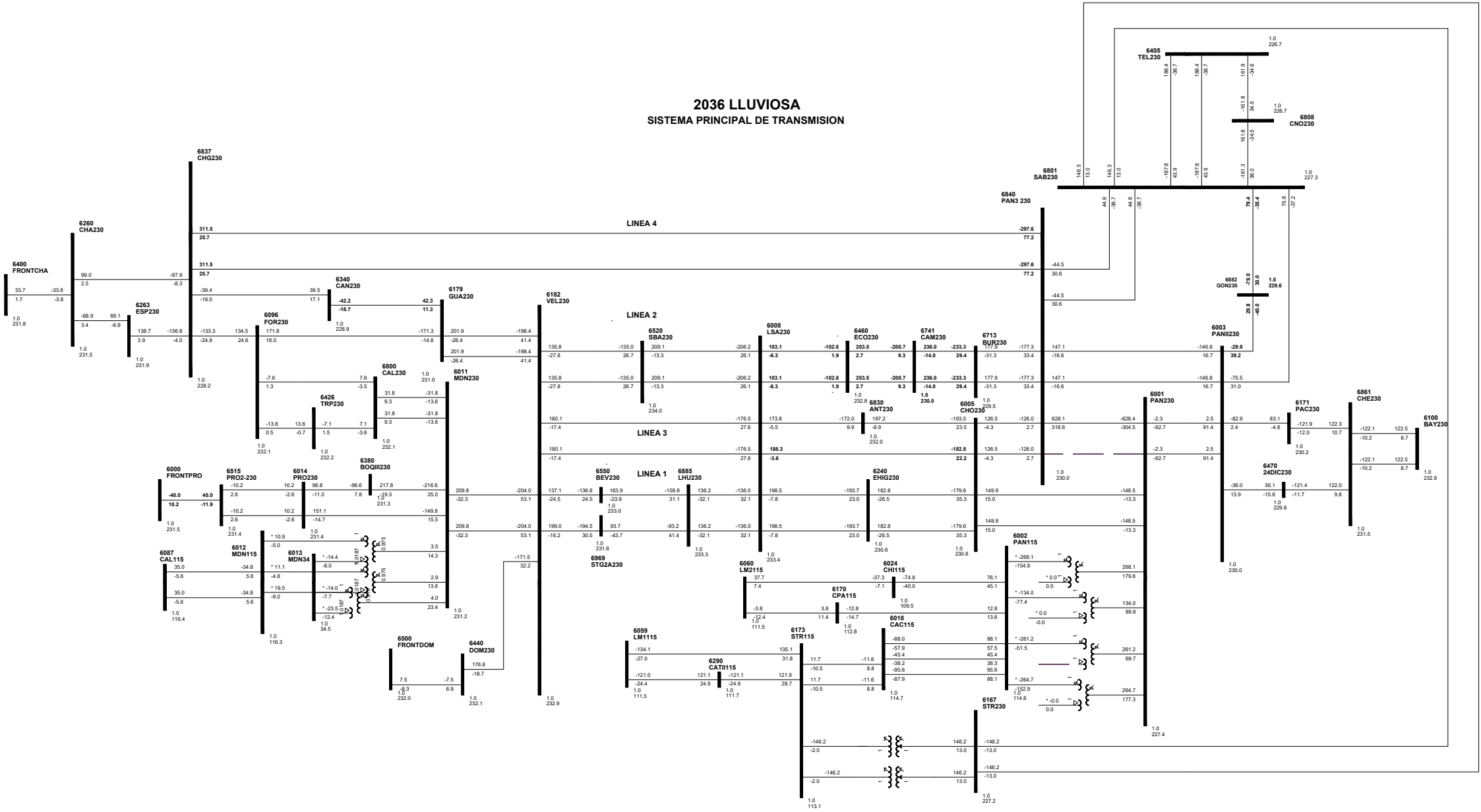
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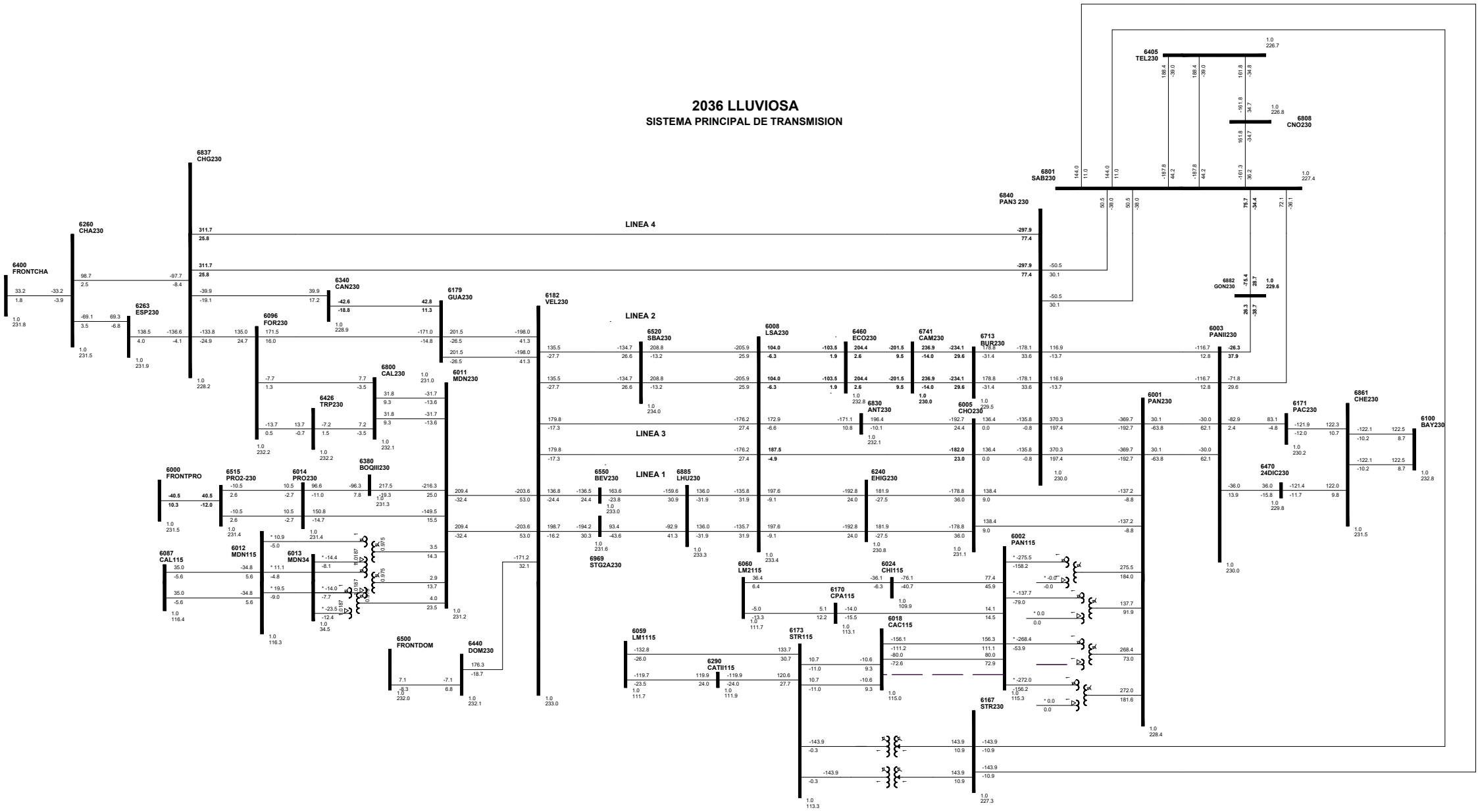
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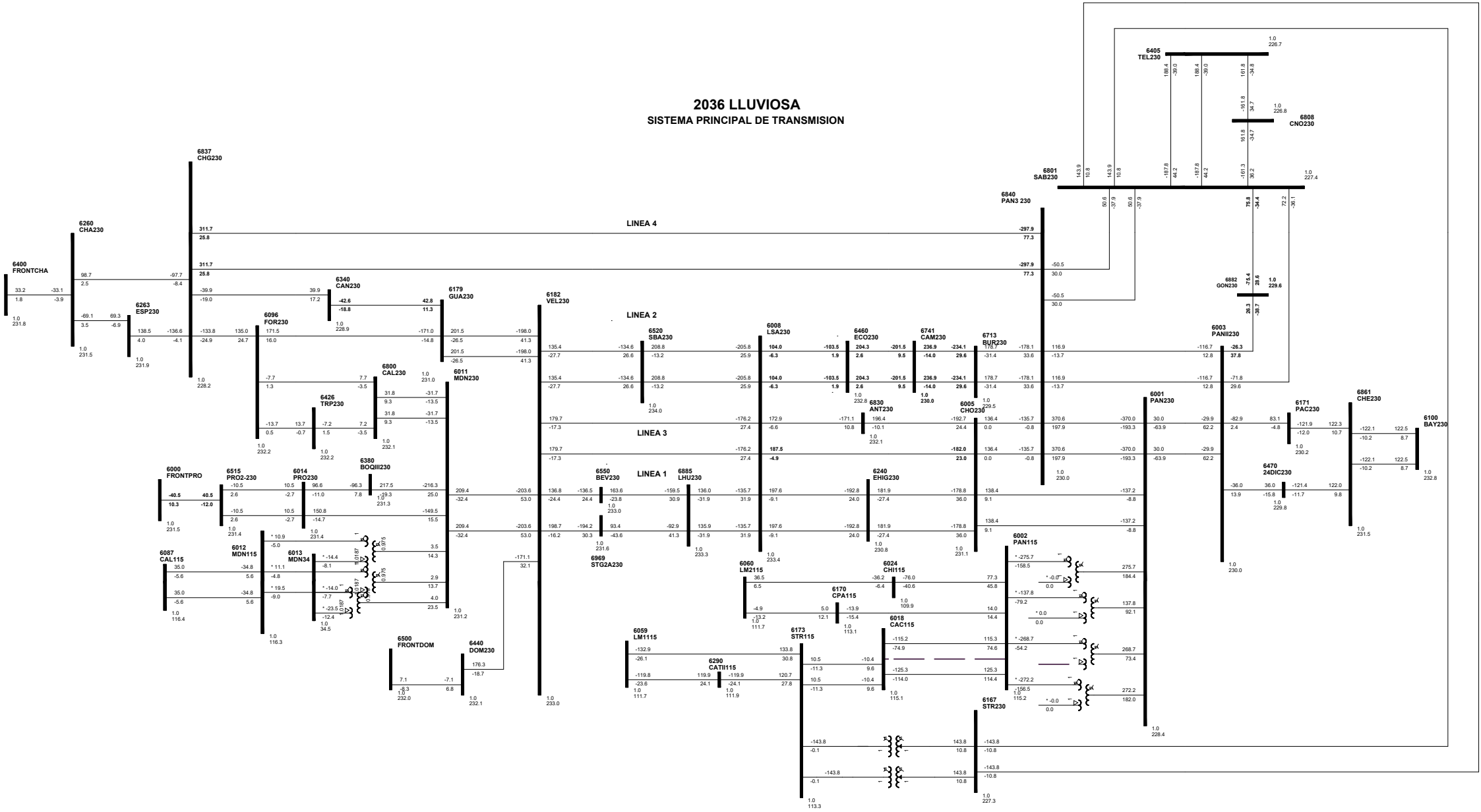
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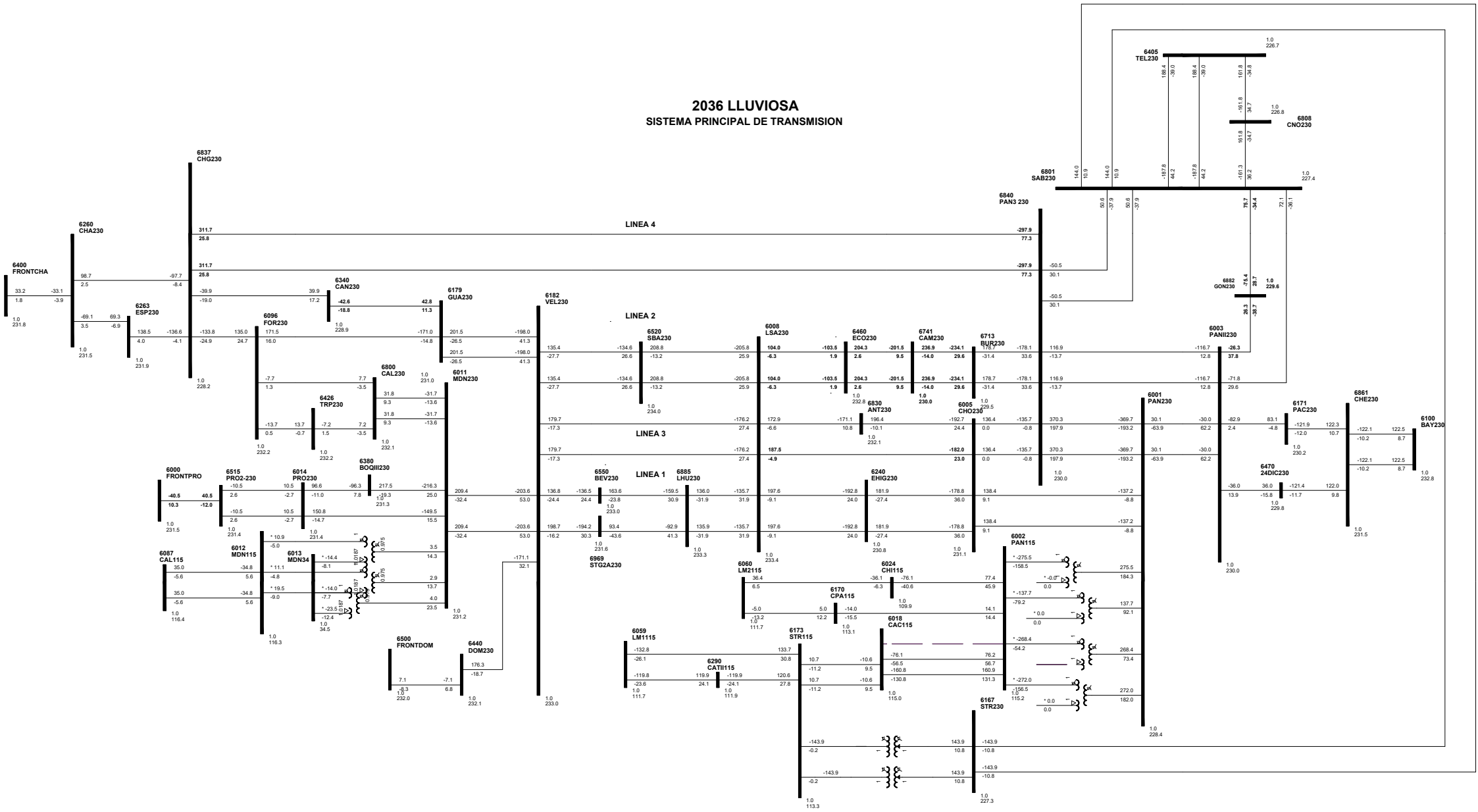
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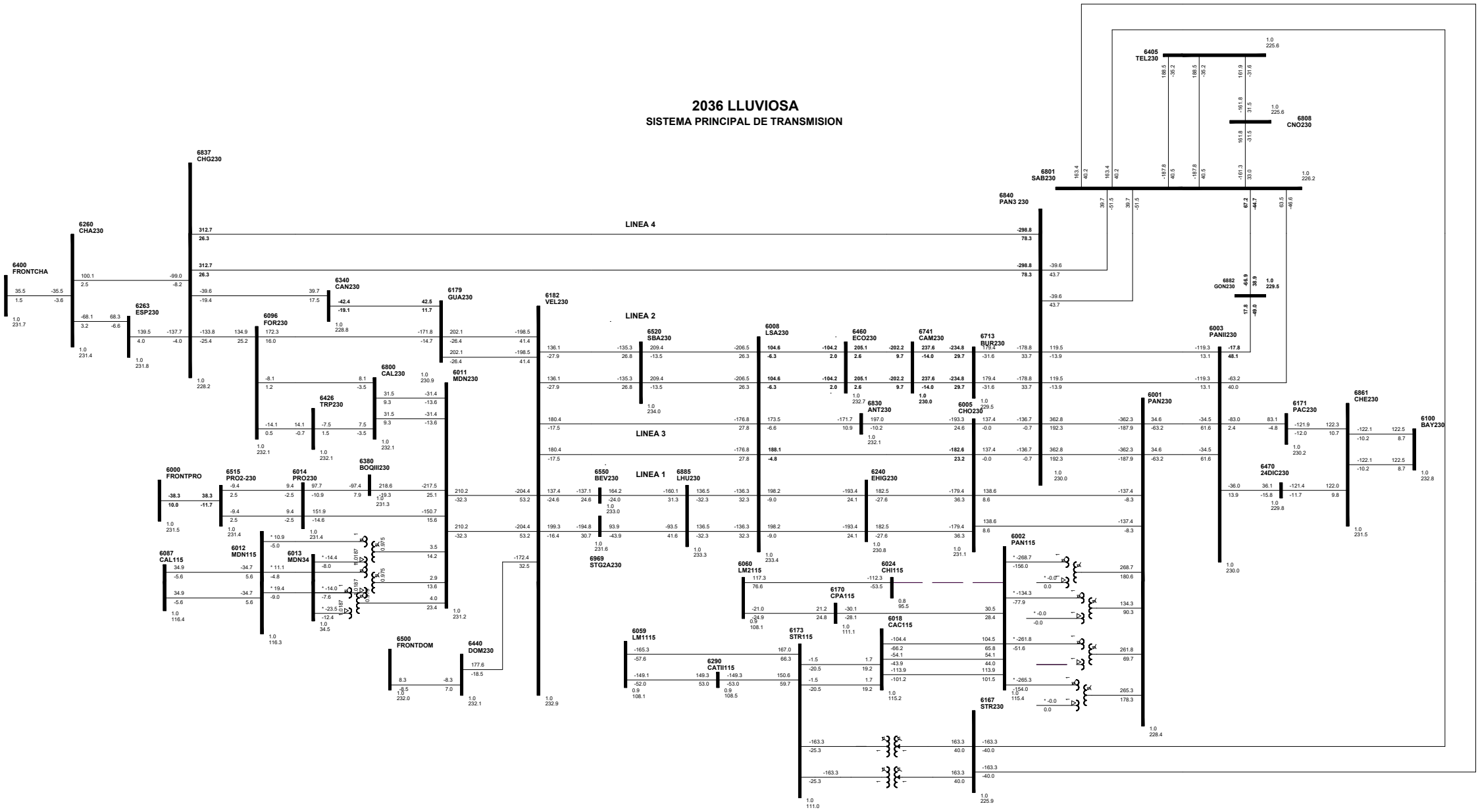
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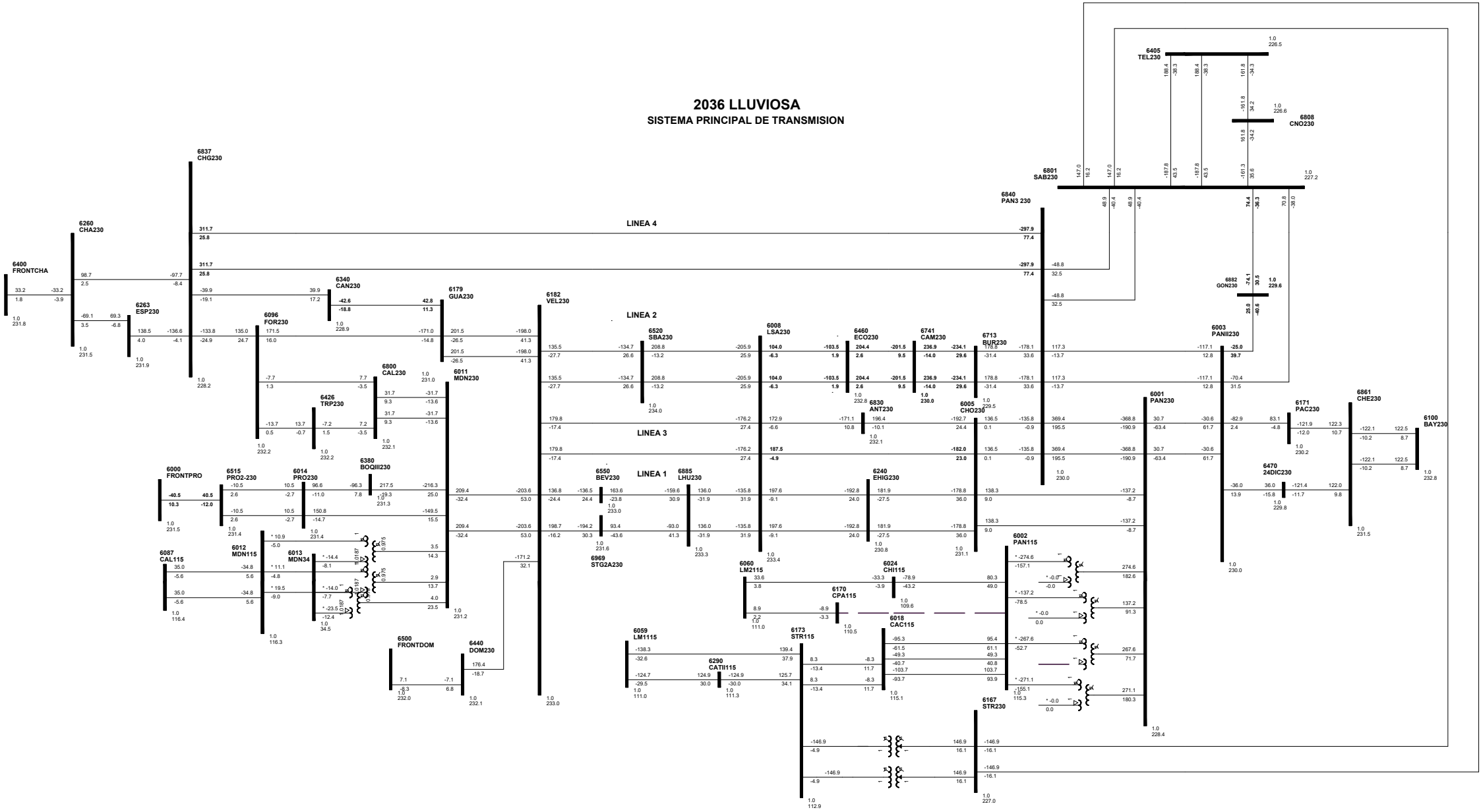
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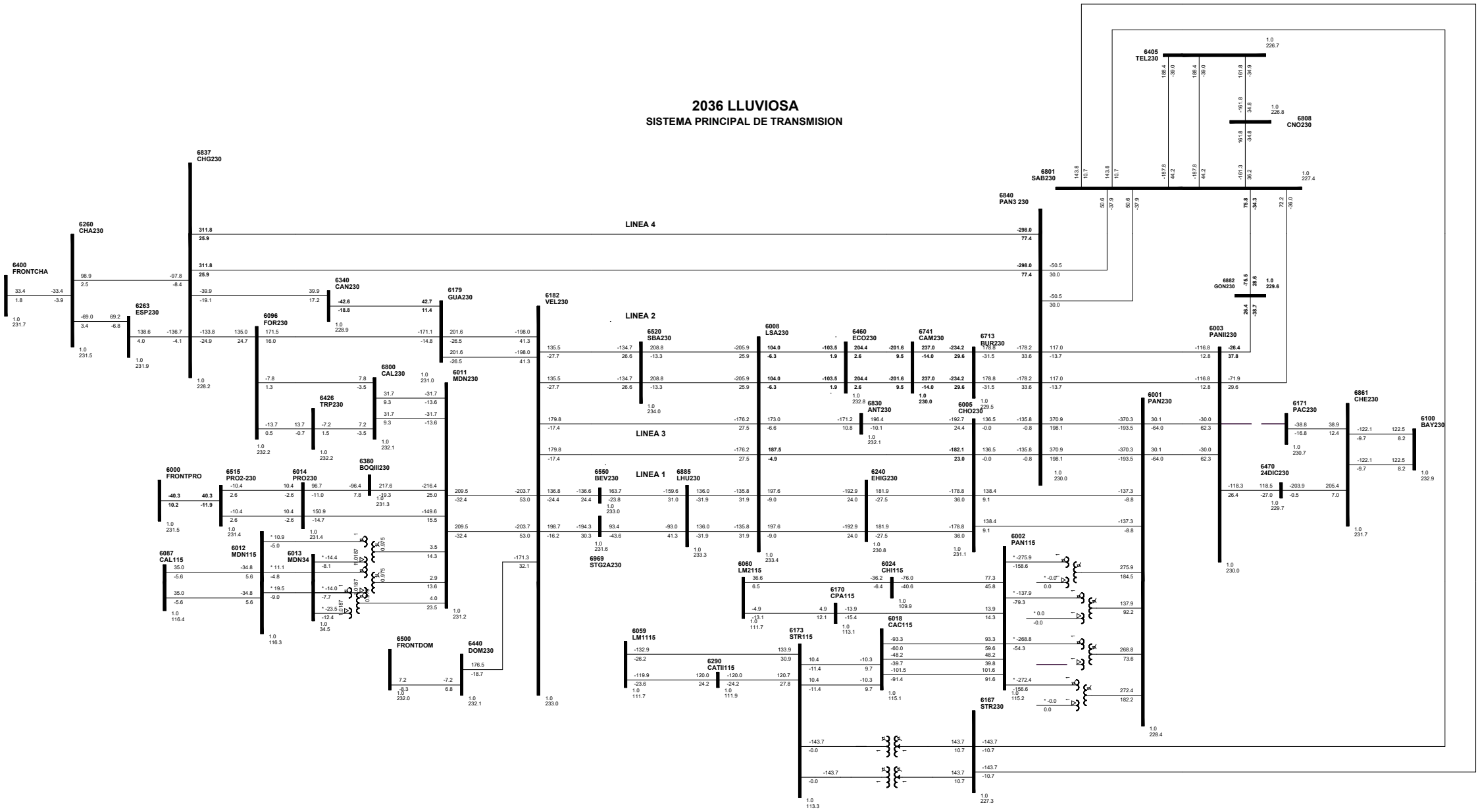
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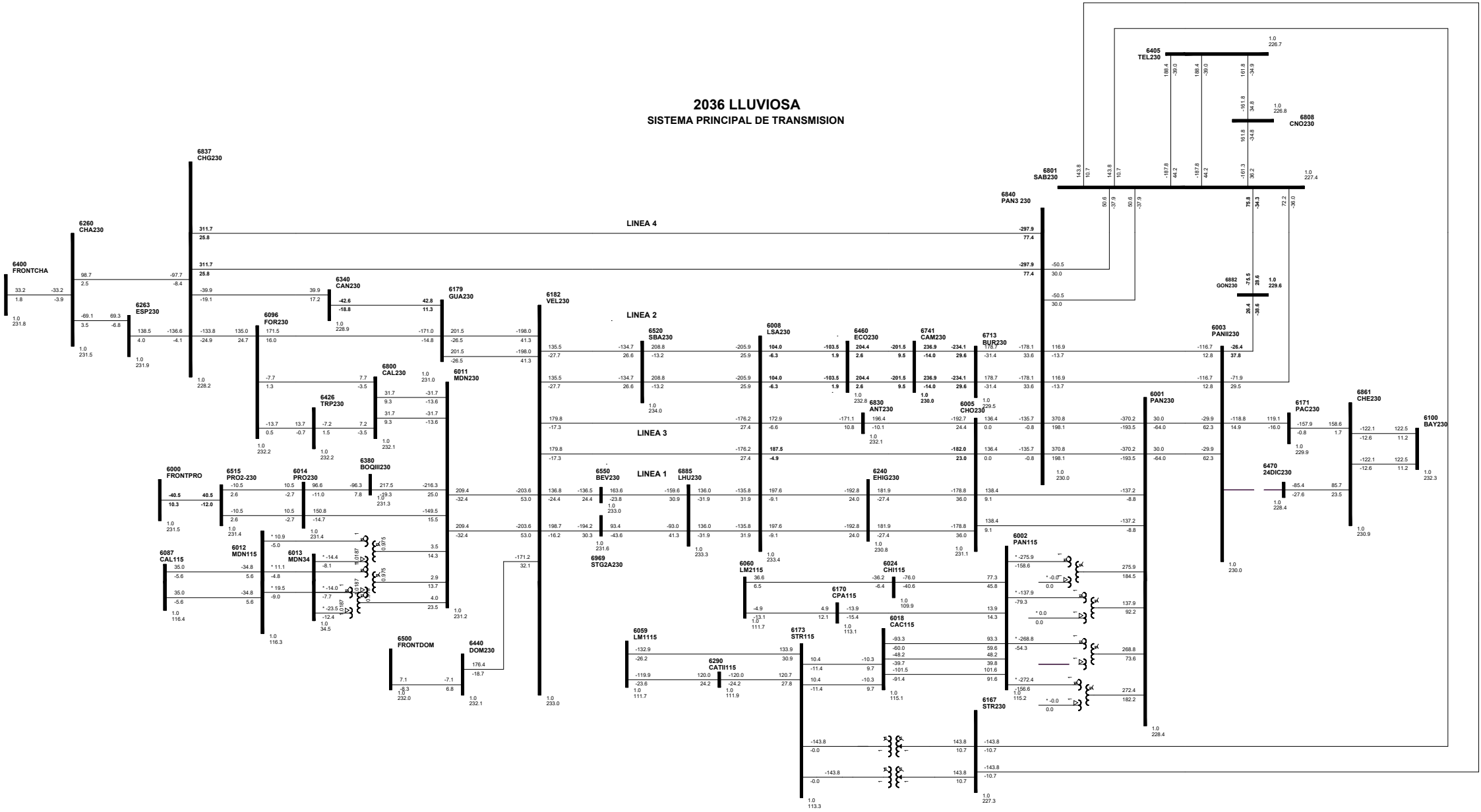
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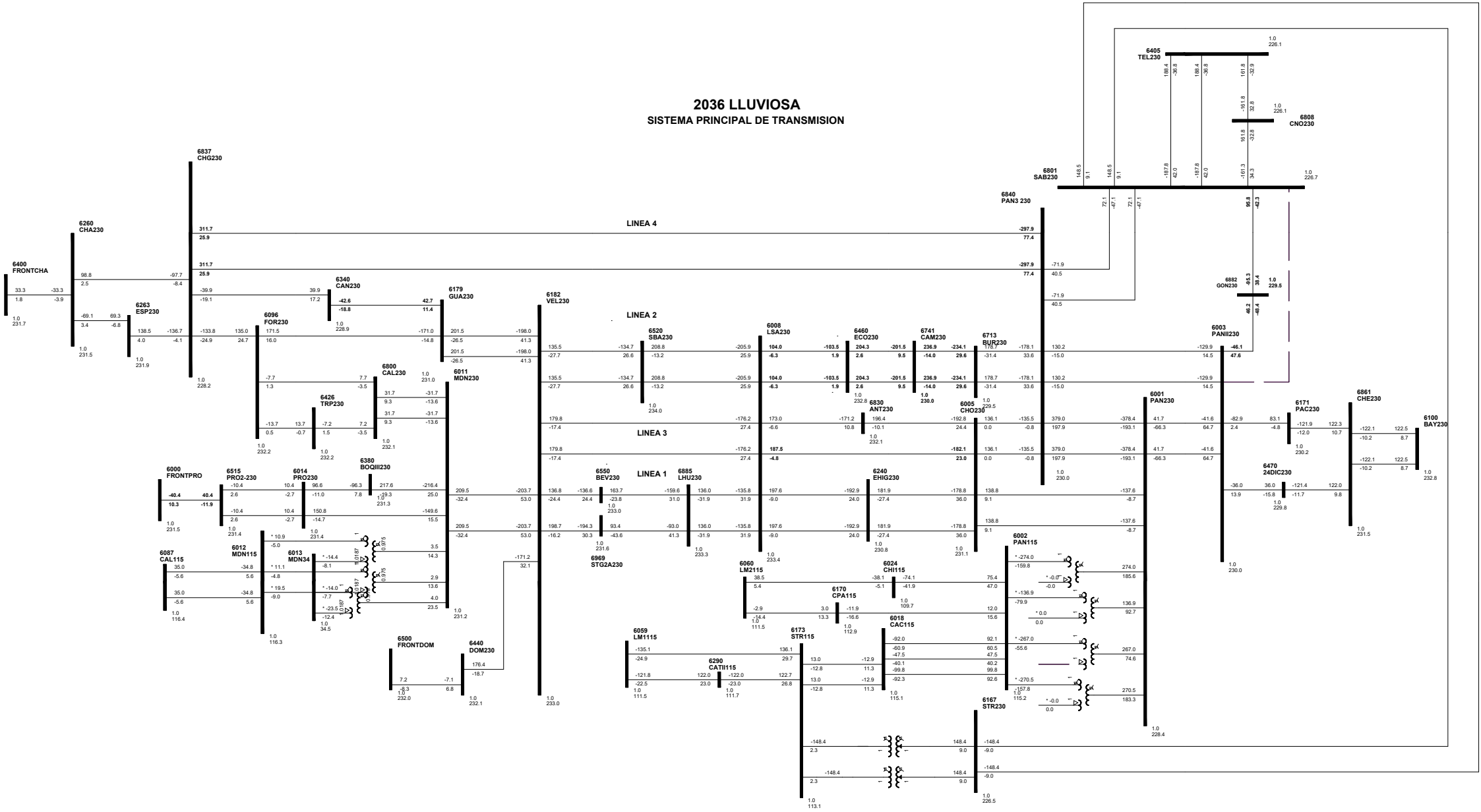
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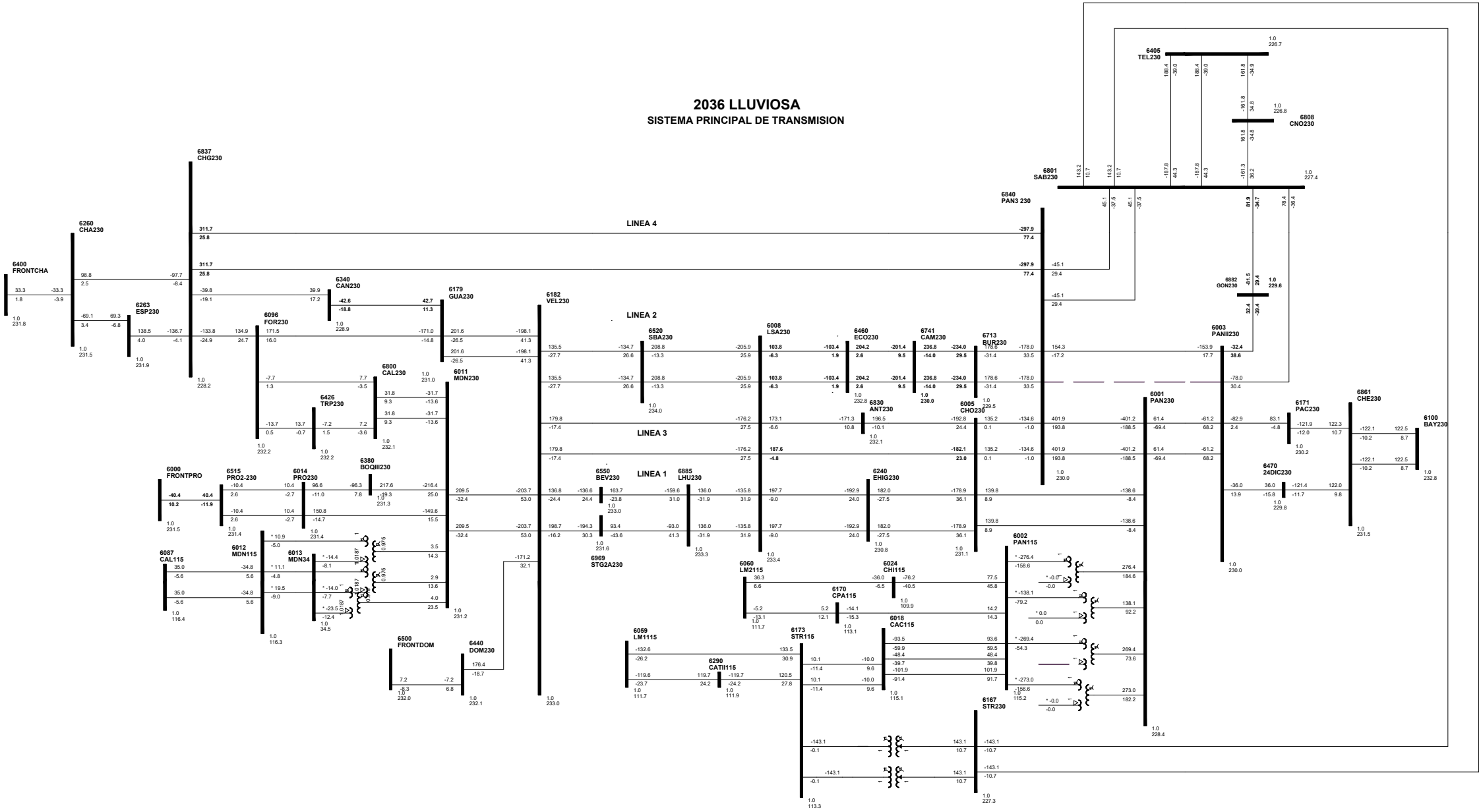
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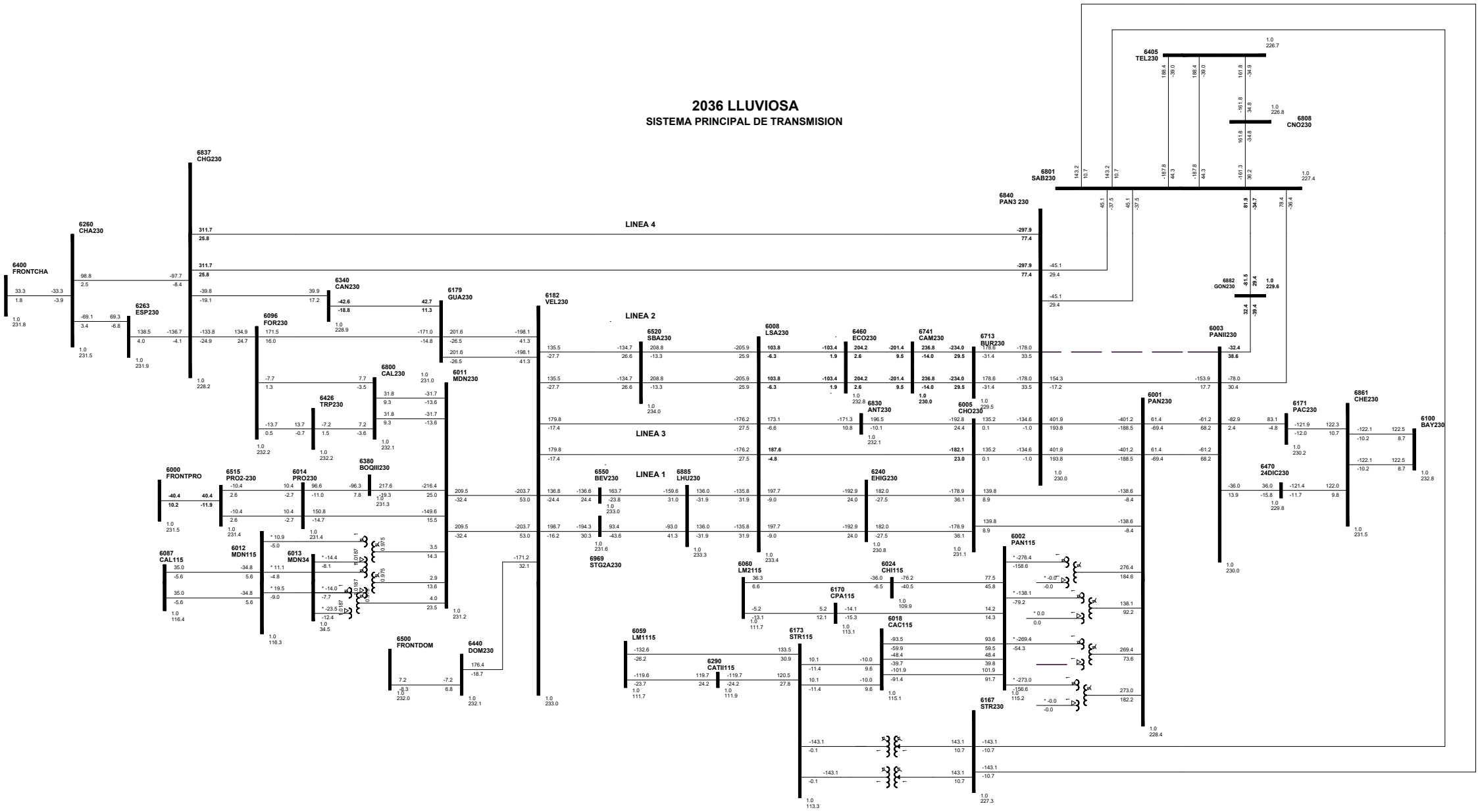
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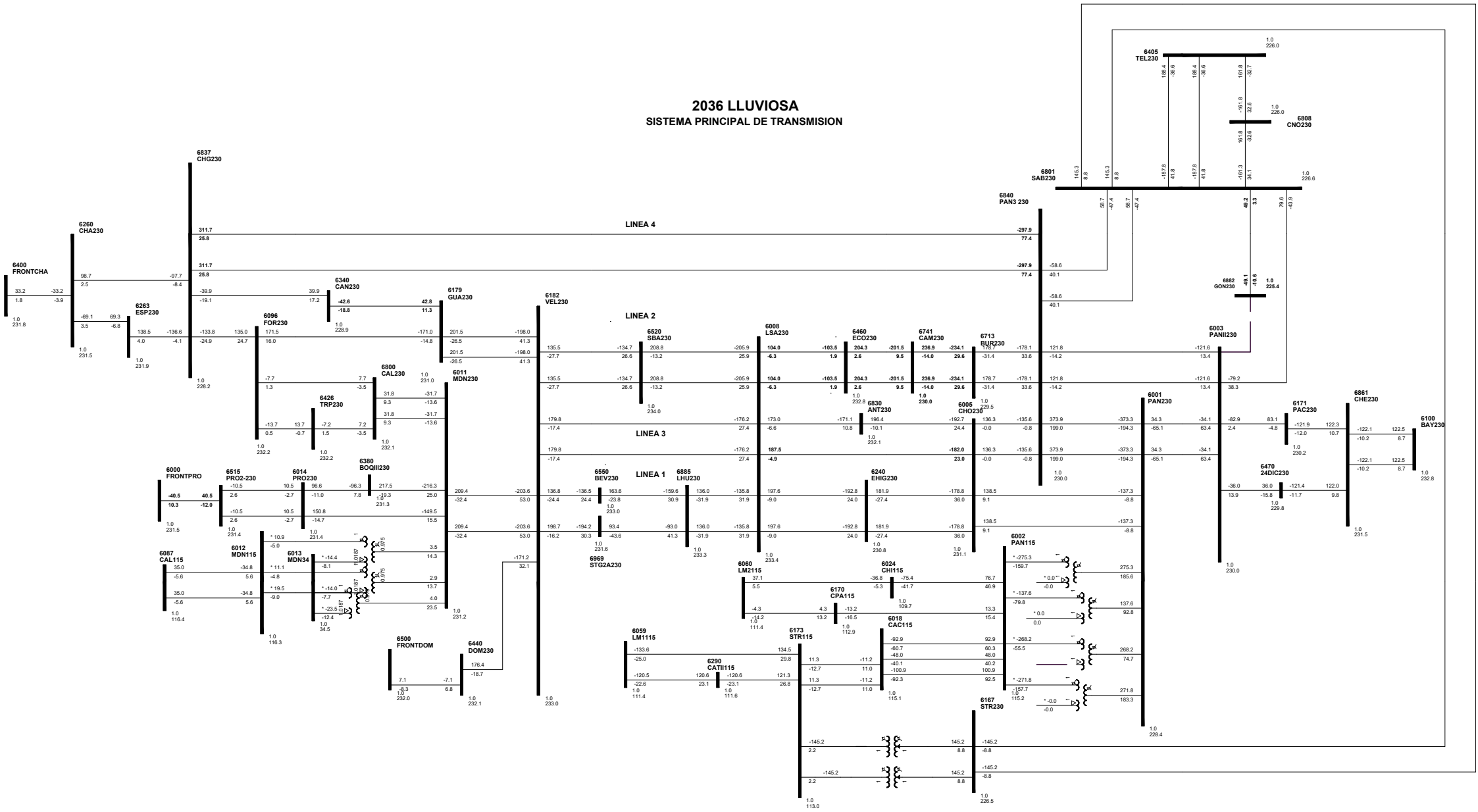
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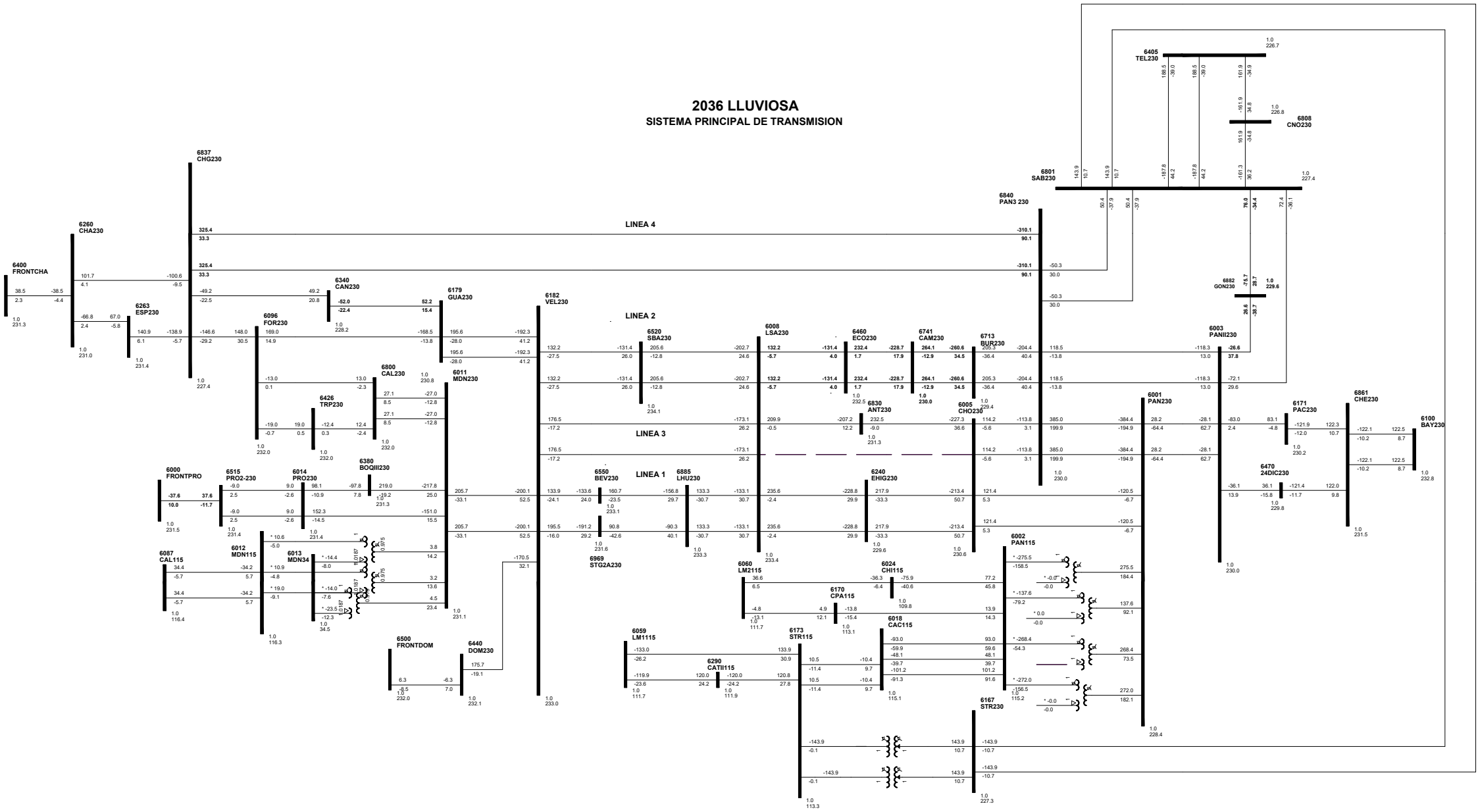
Contingencia 17



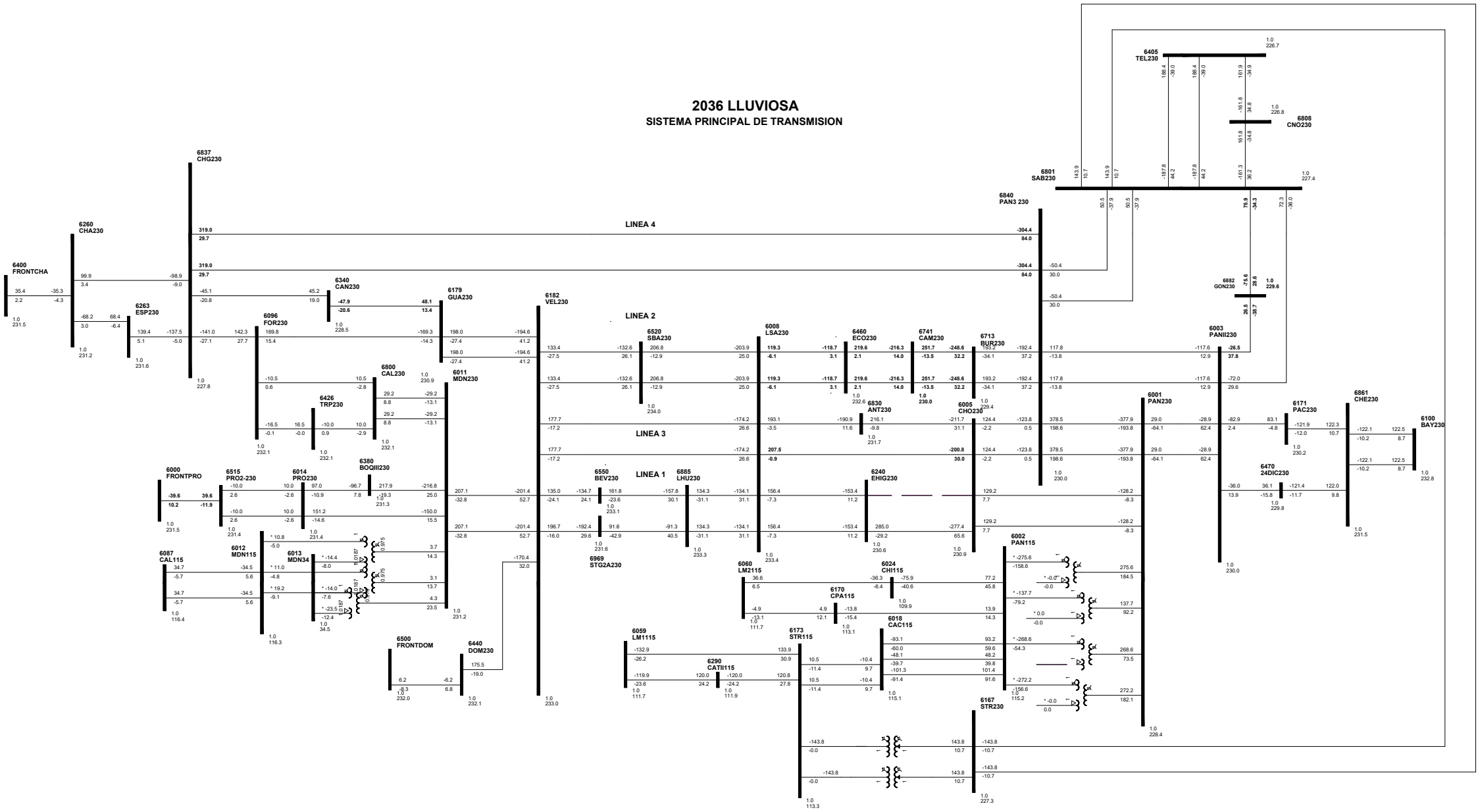
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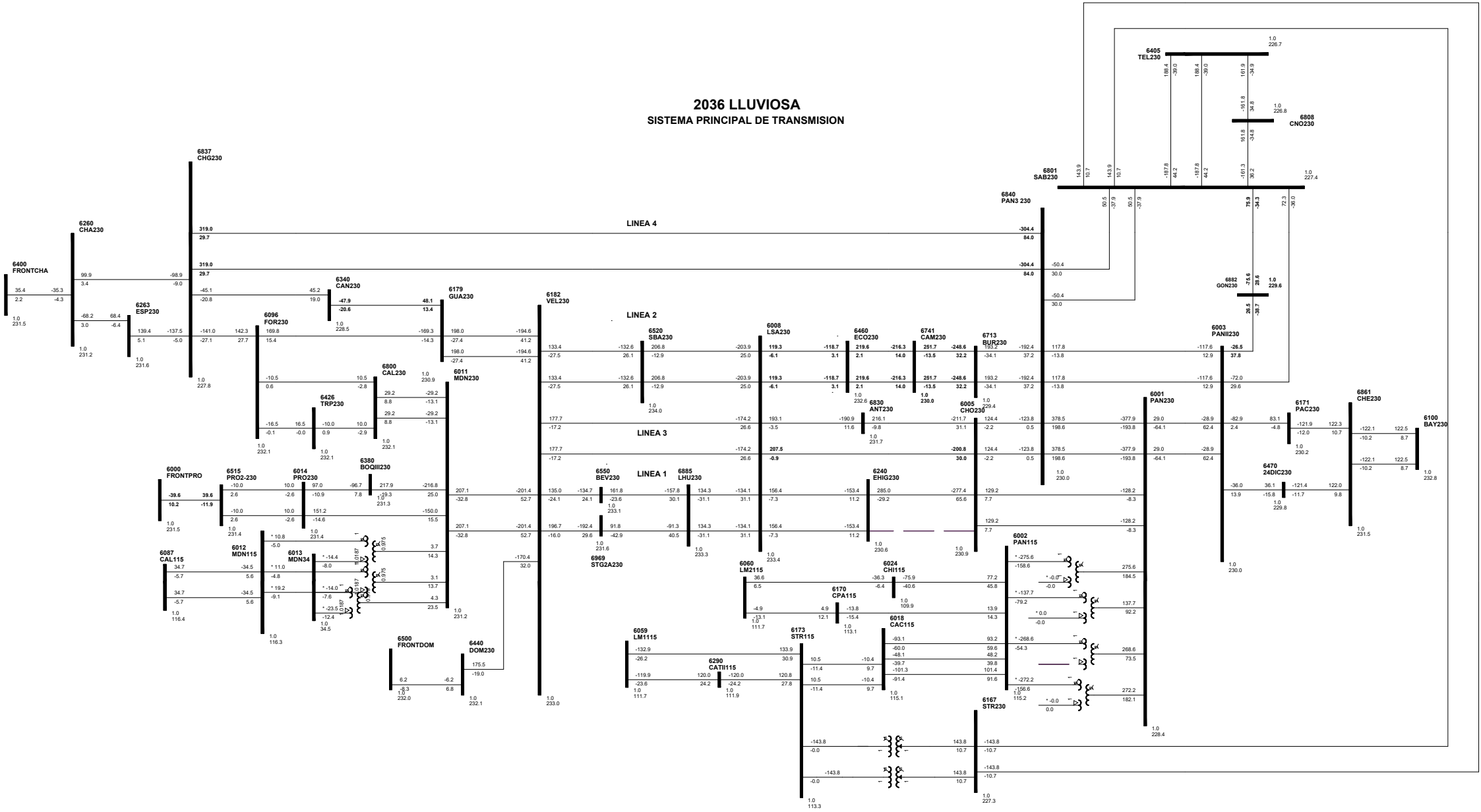
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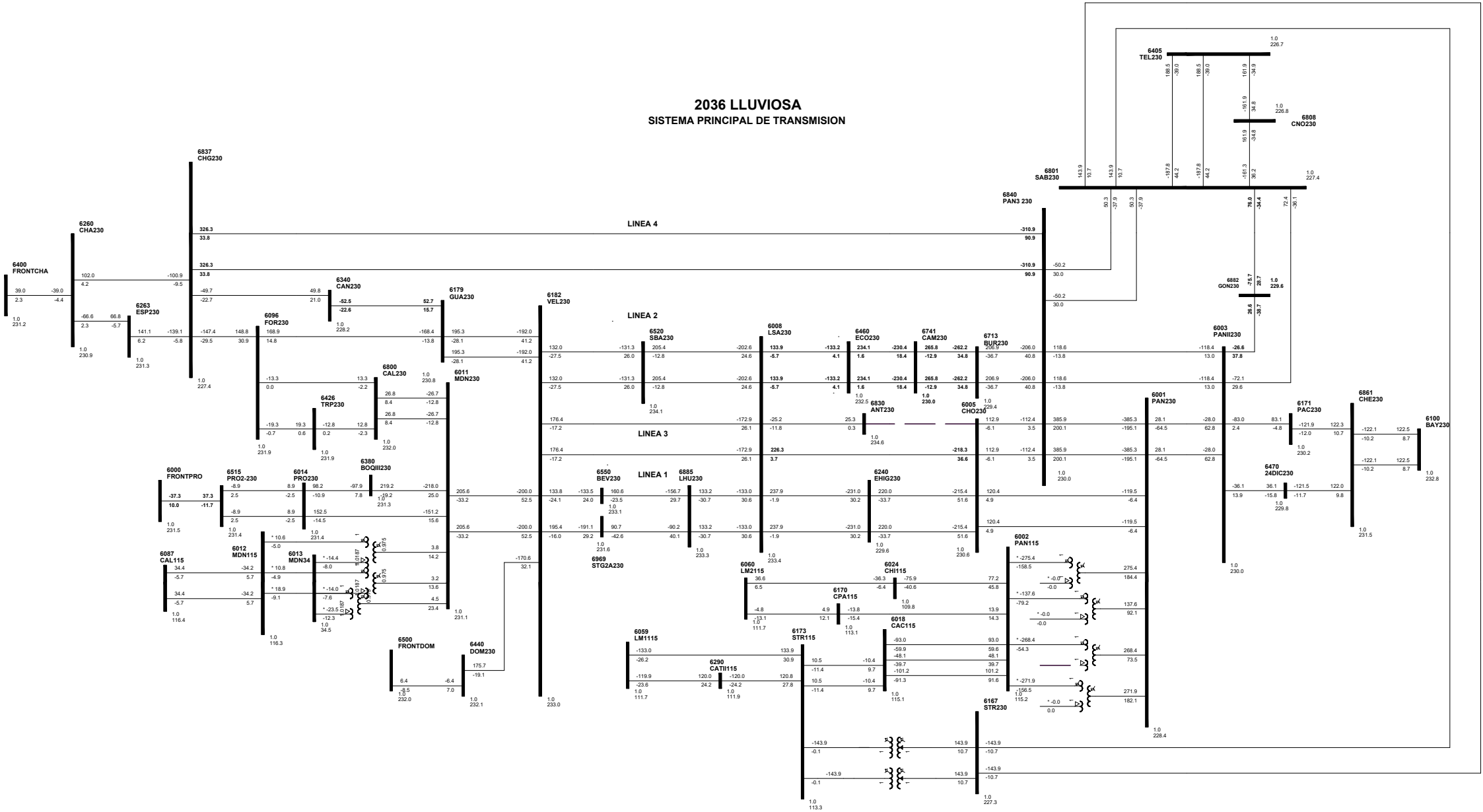
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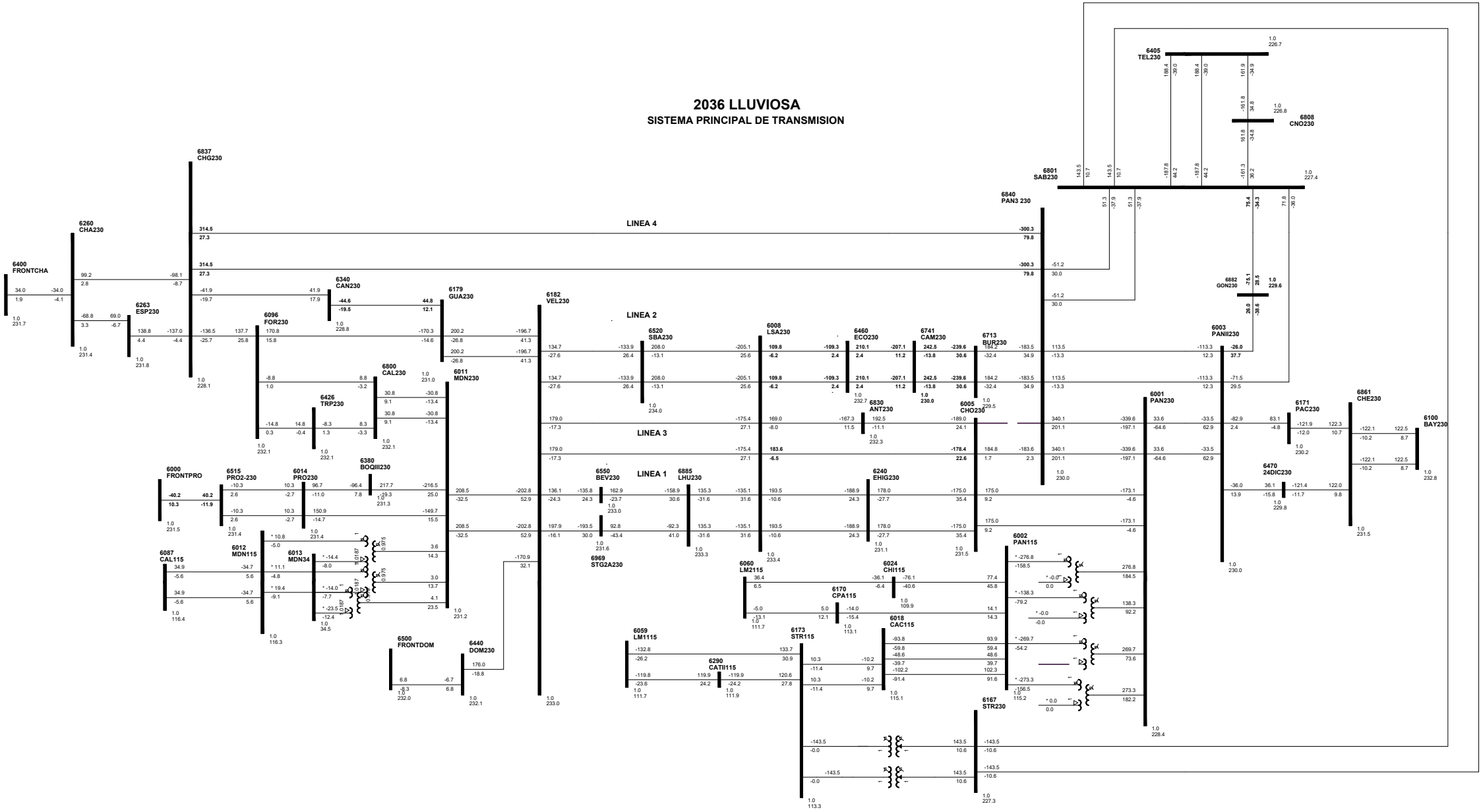
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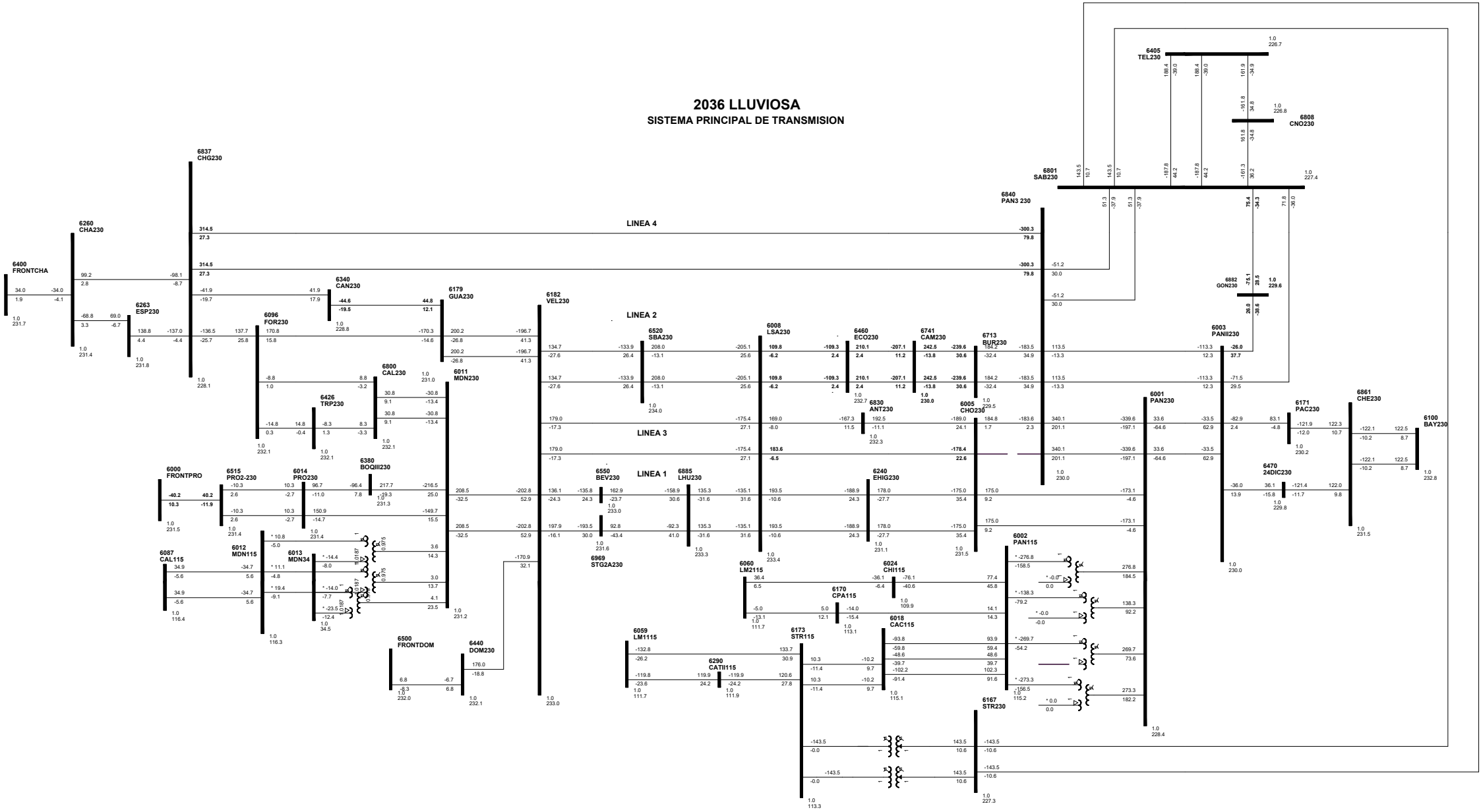
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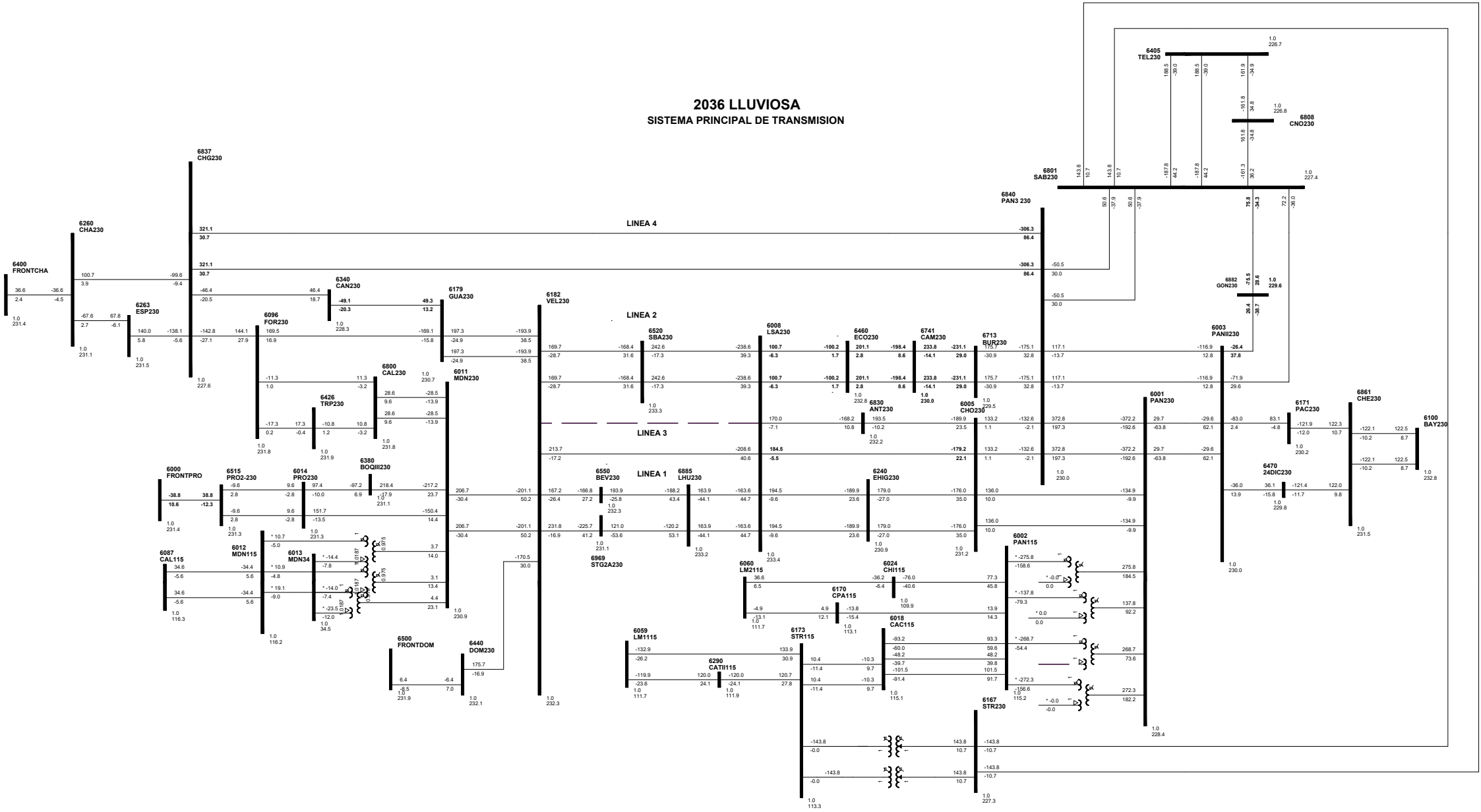
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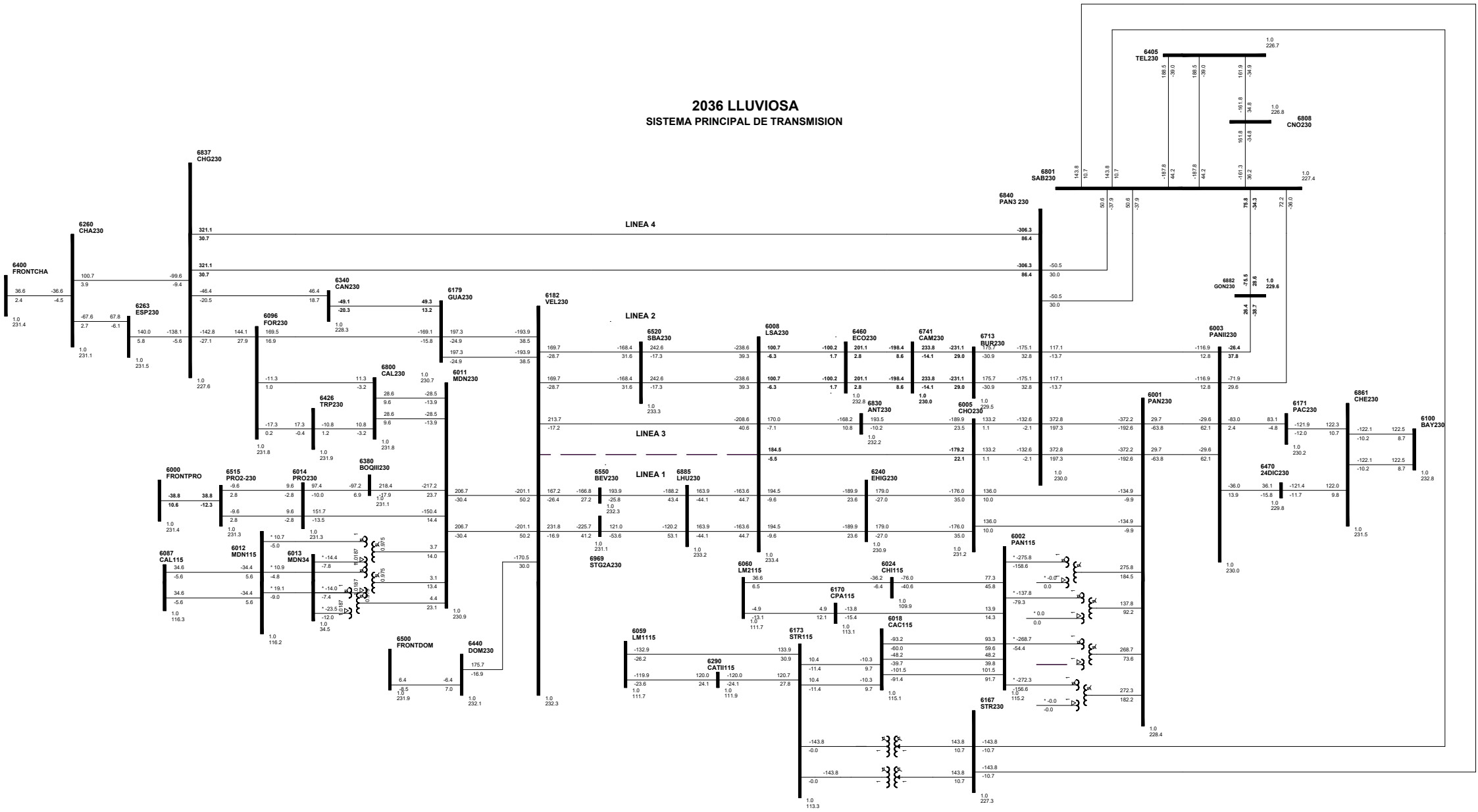
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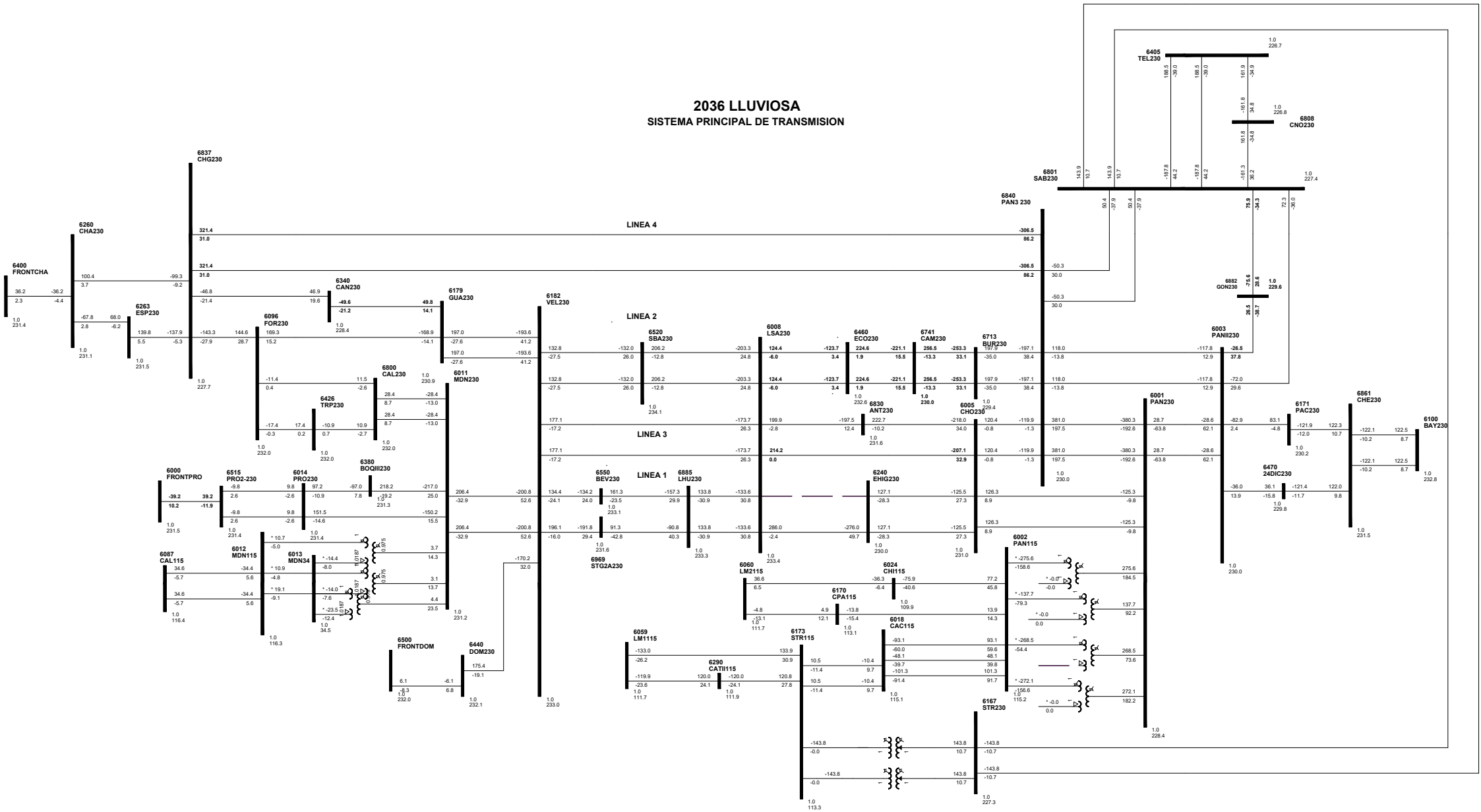
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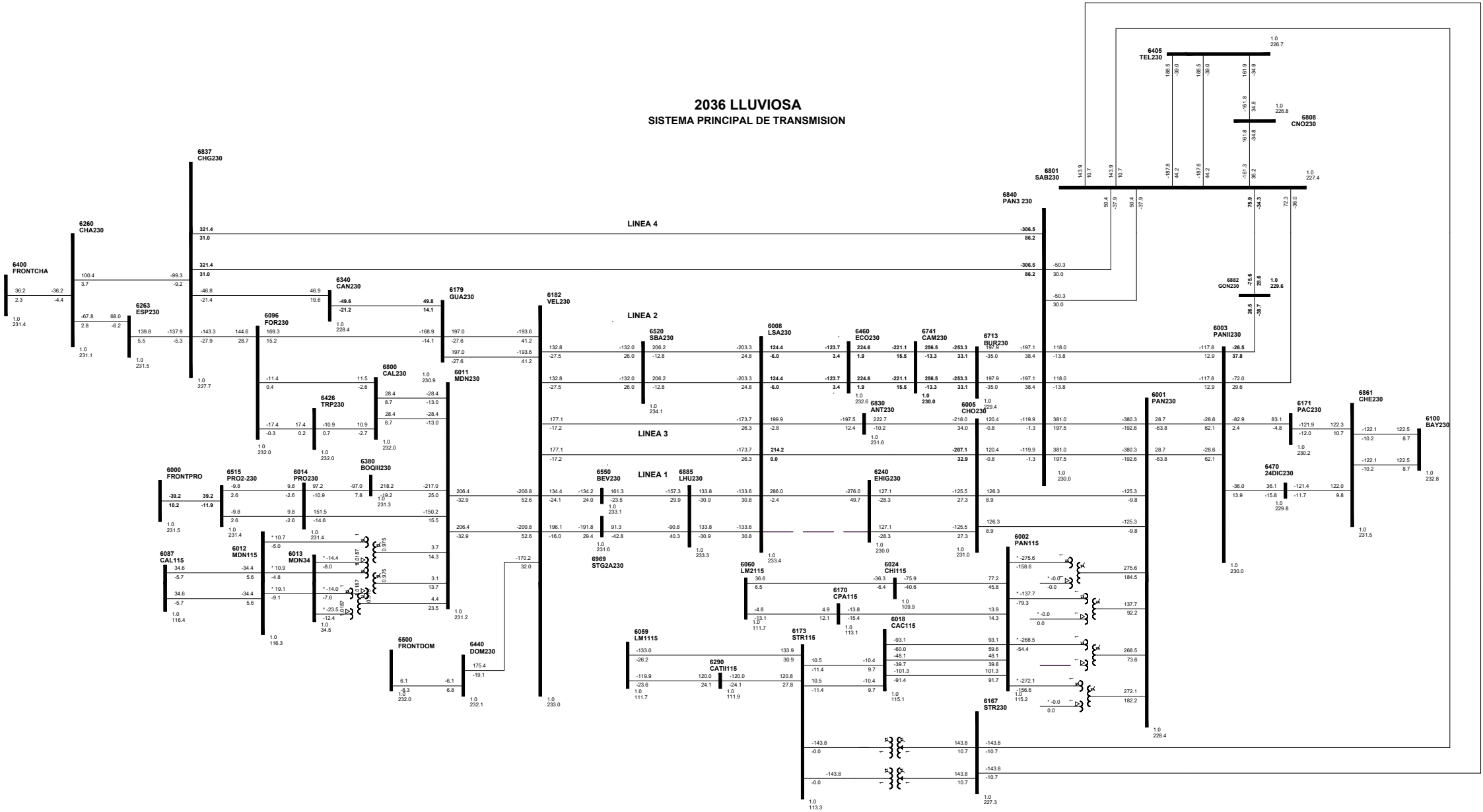
Contingencia 26



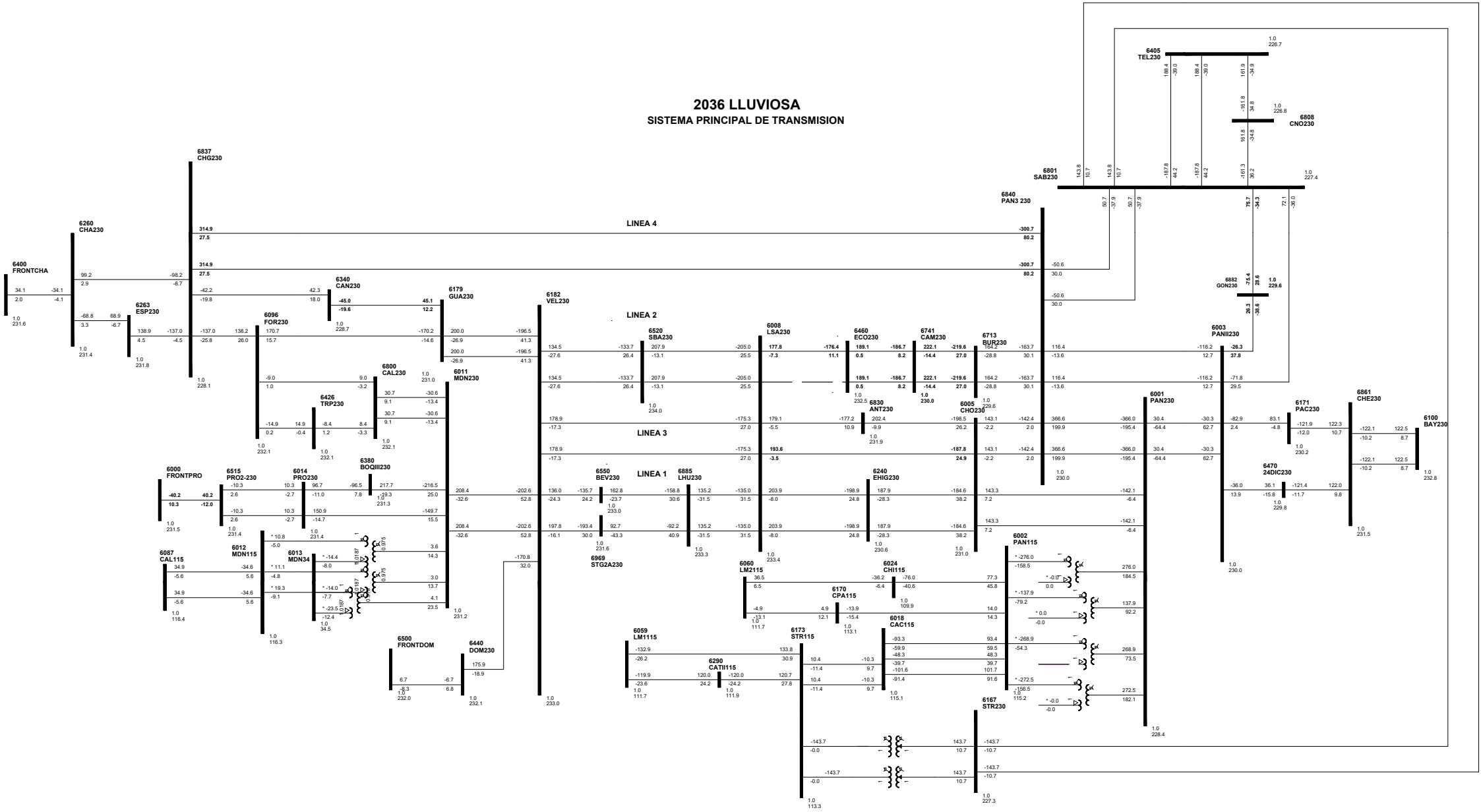
Contingencia 27



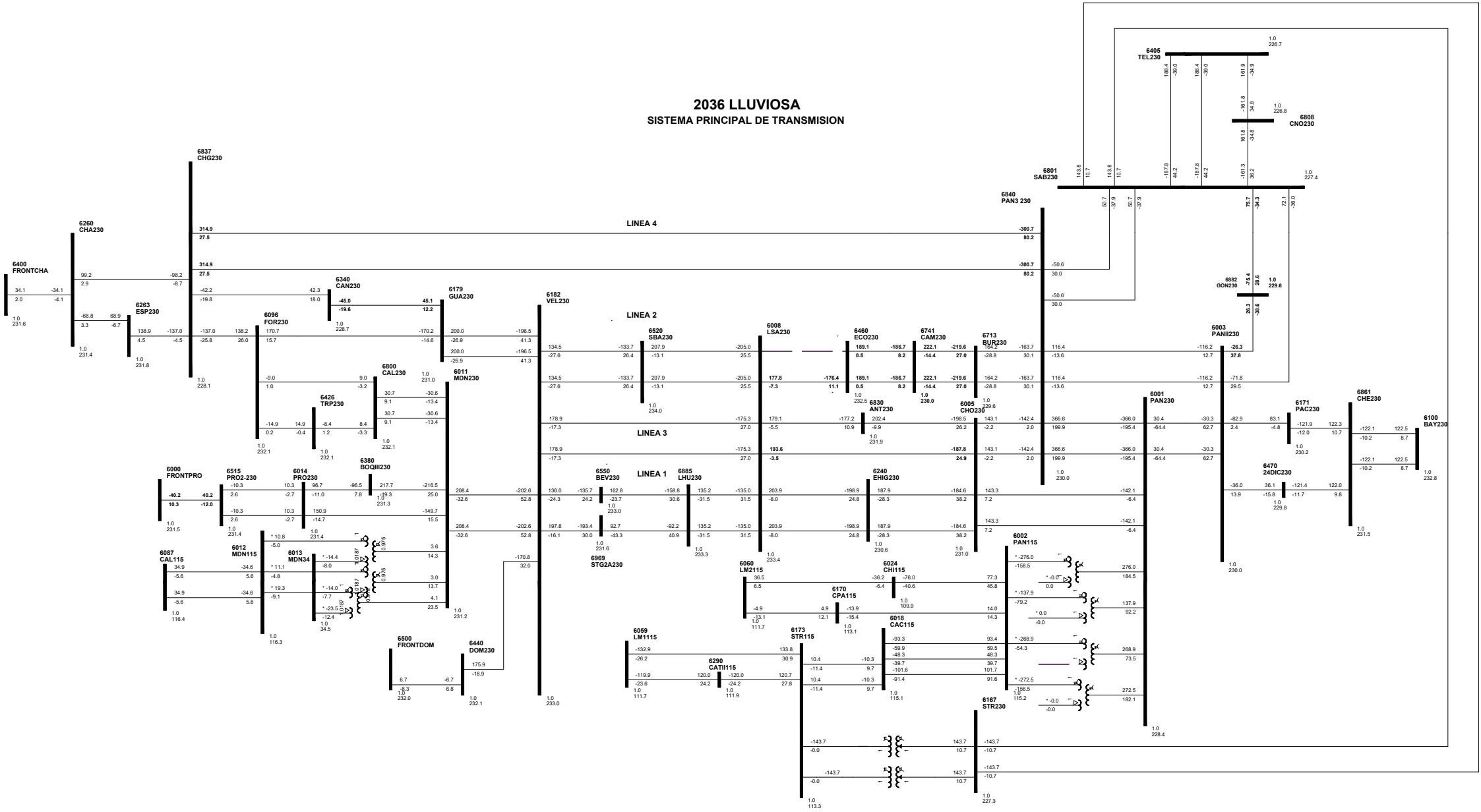
Contingencia 28



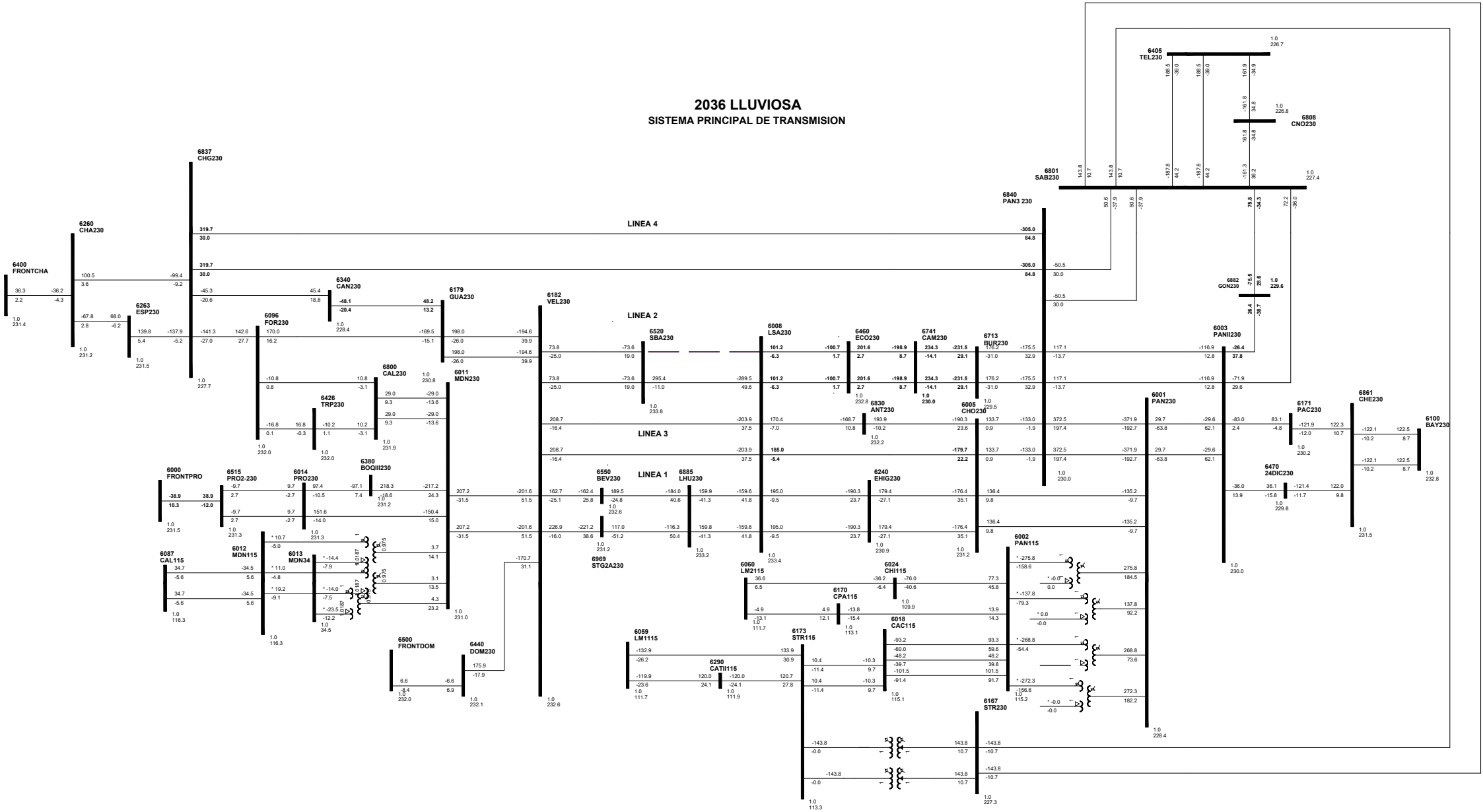
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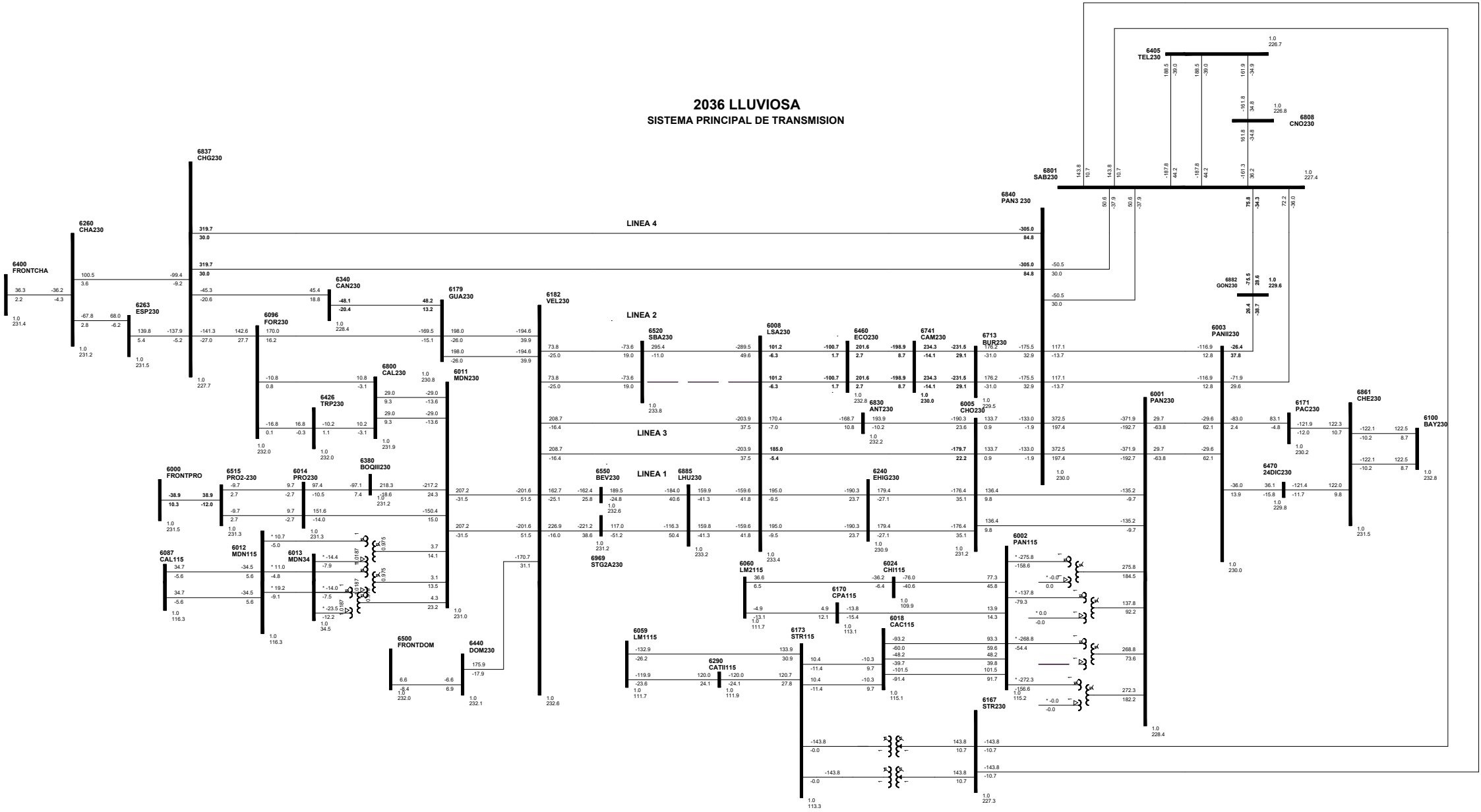
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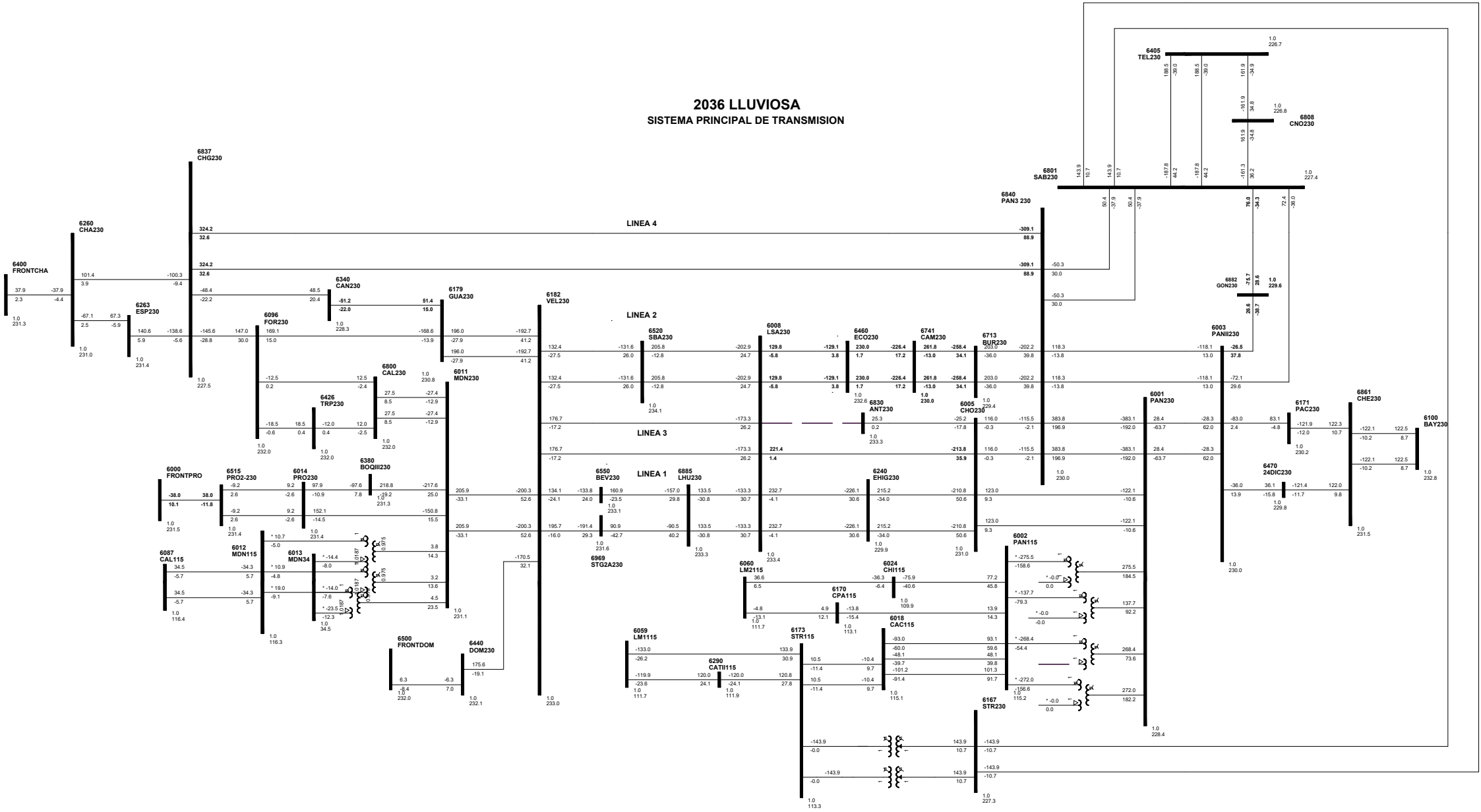
Contingencia 31



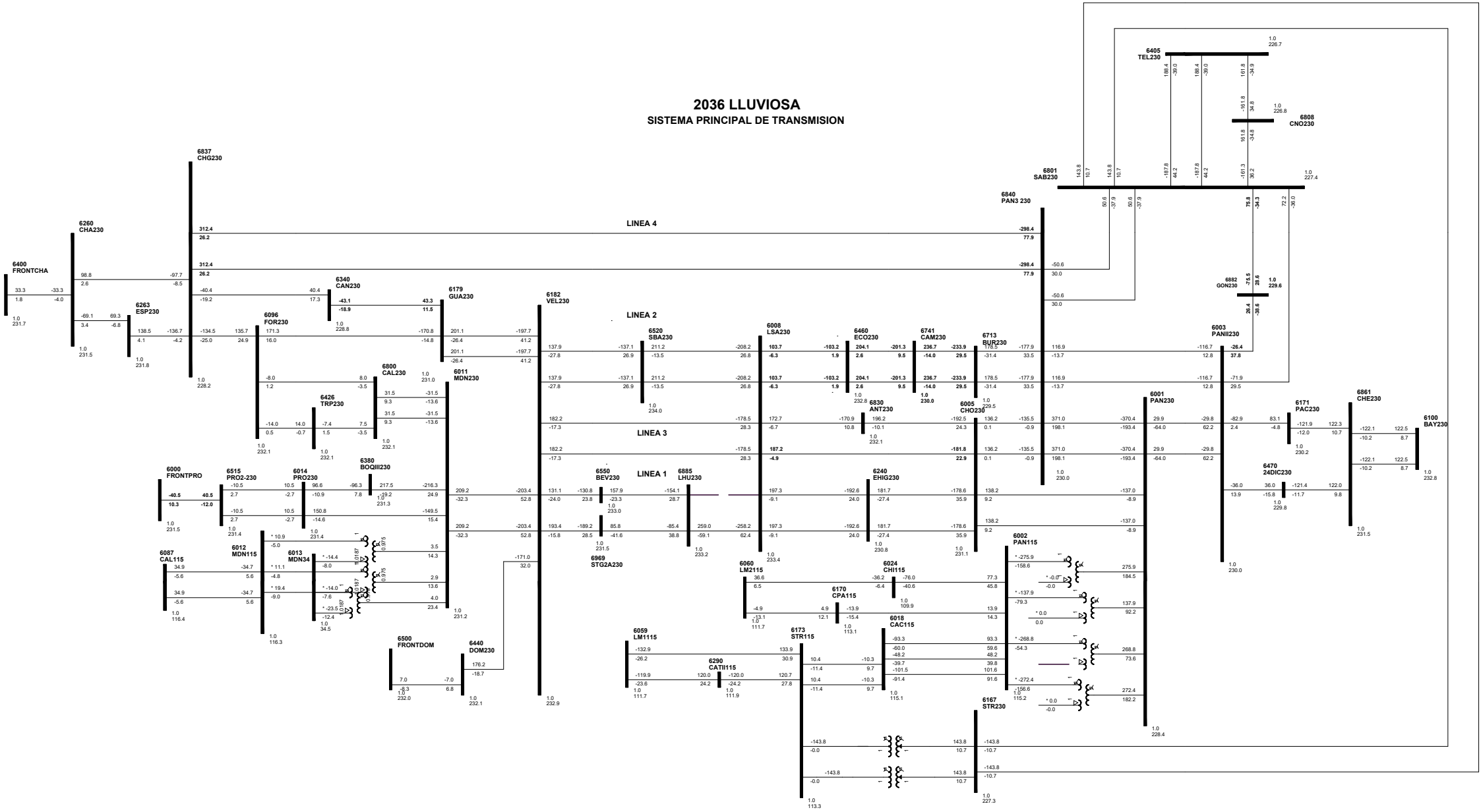
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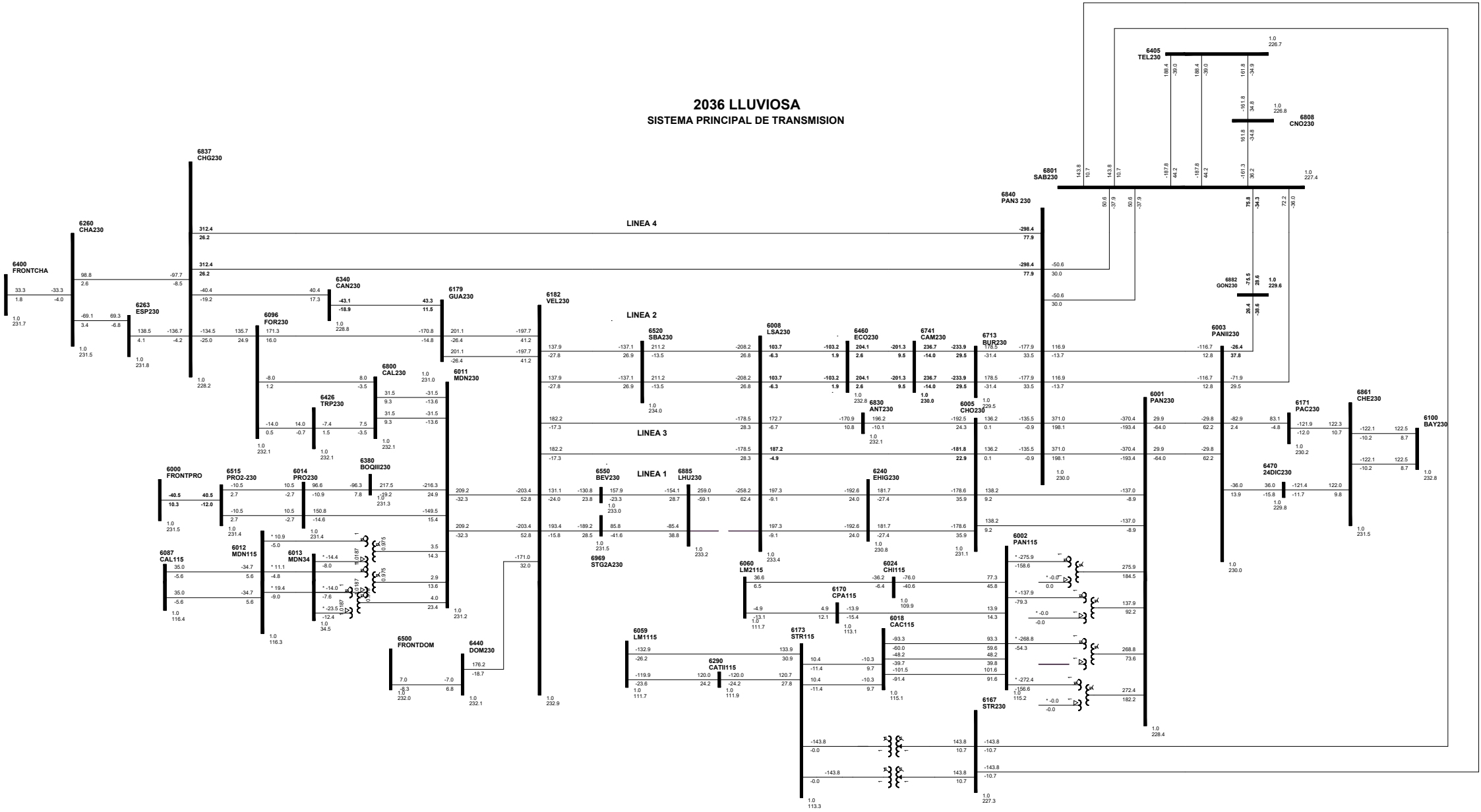
Contingencia 33



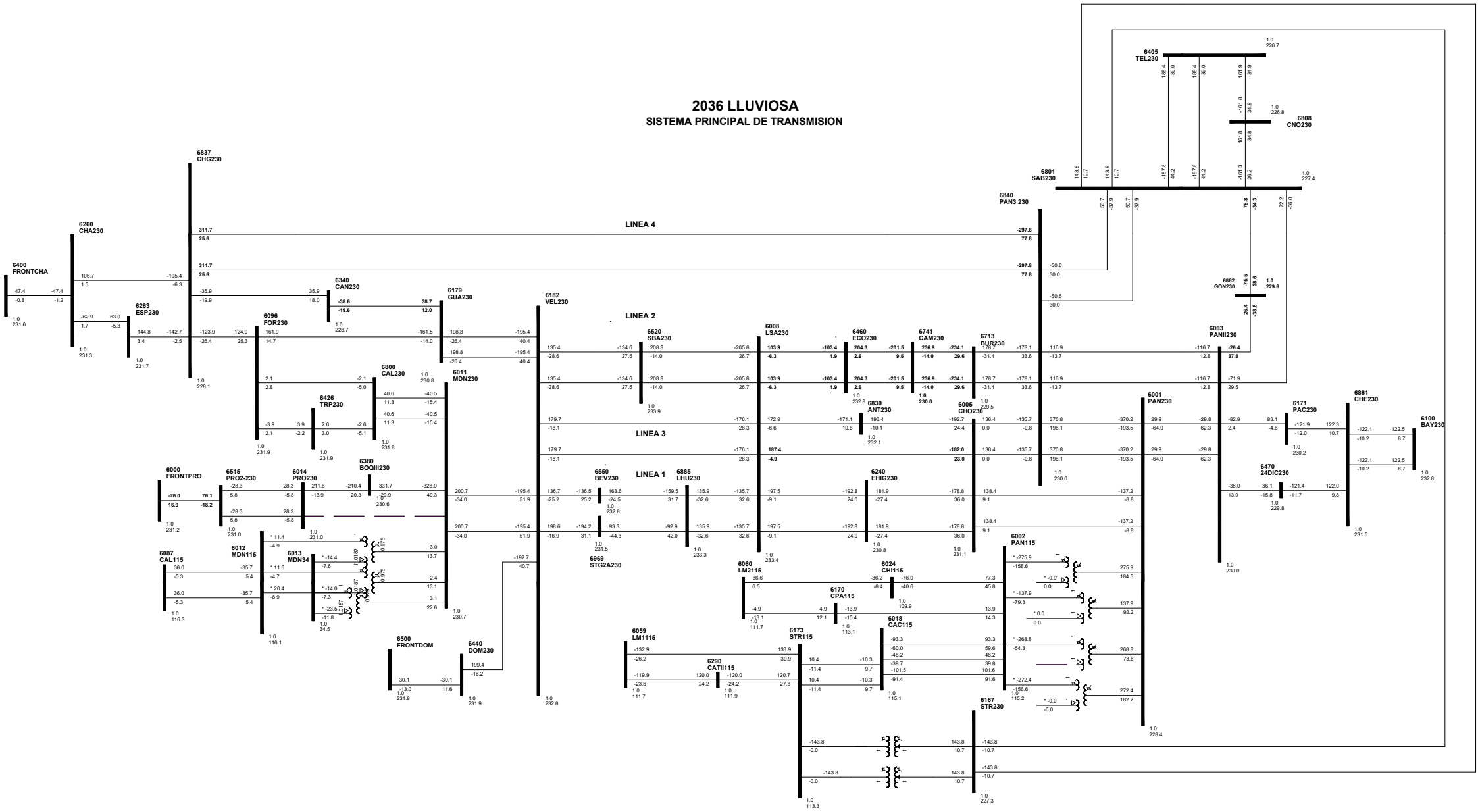
Contingencia 34



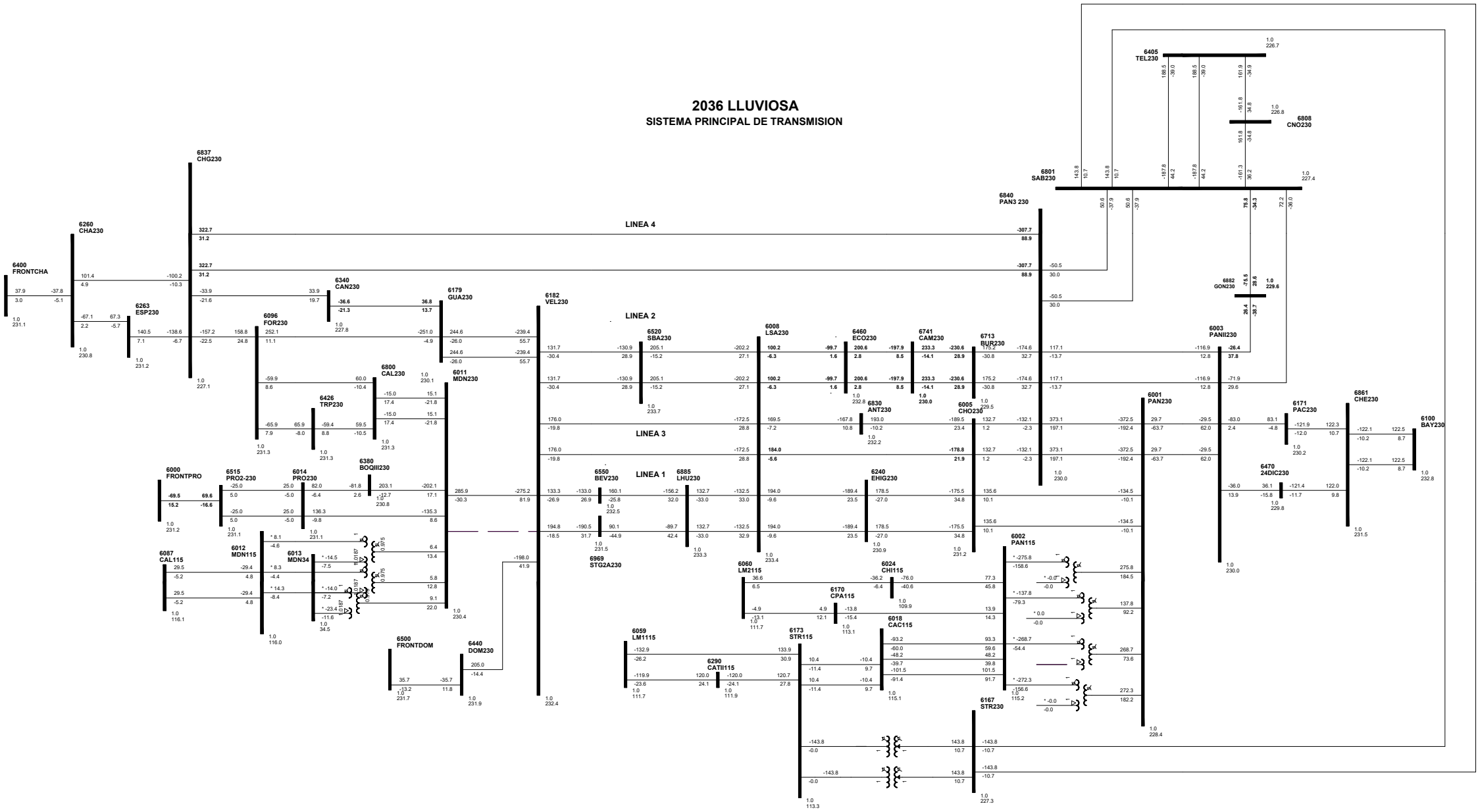
Contingencia 35



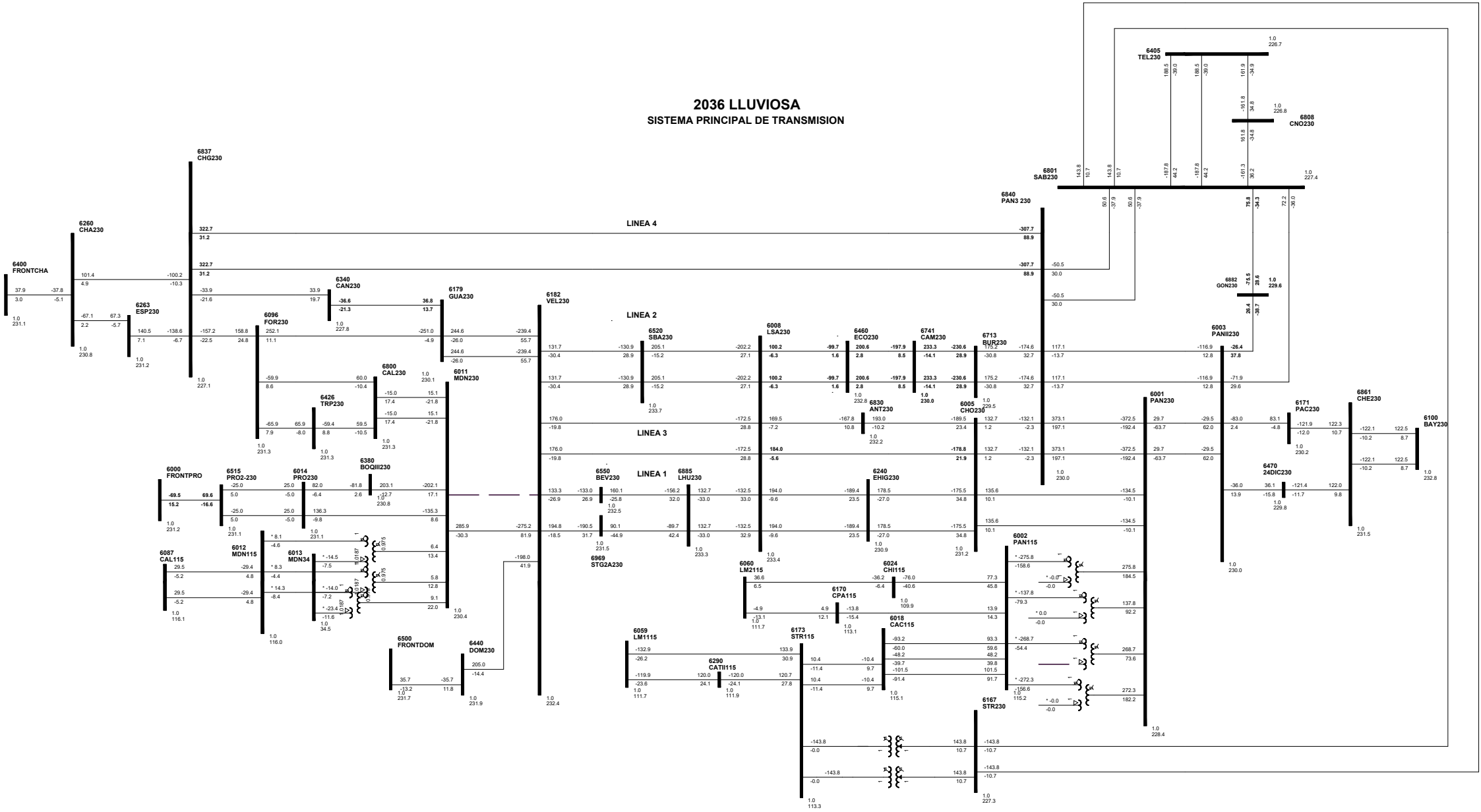
Contingencia 36



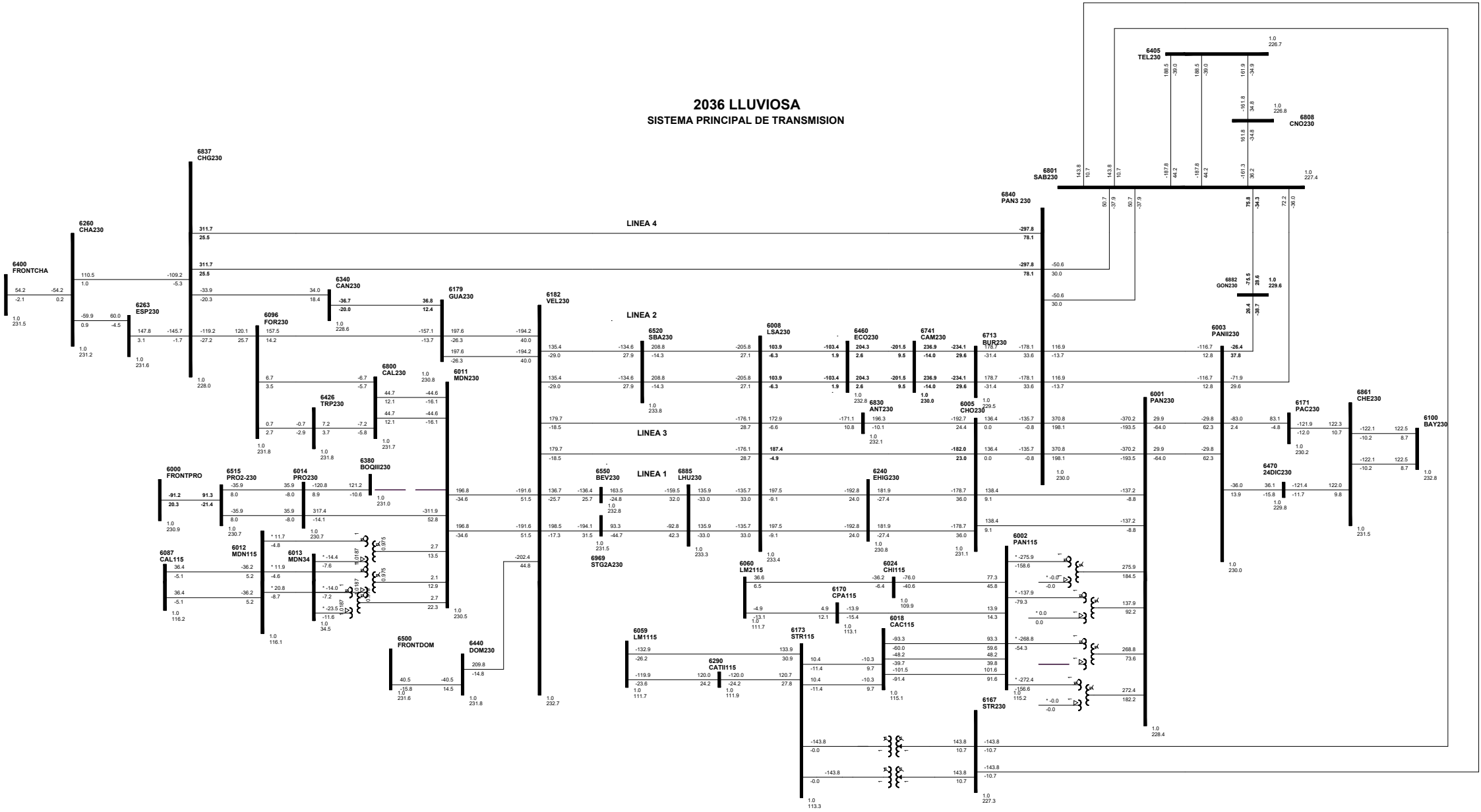
Contingencia 37



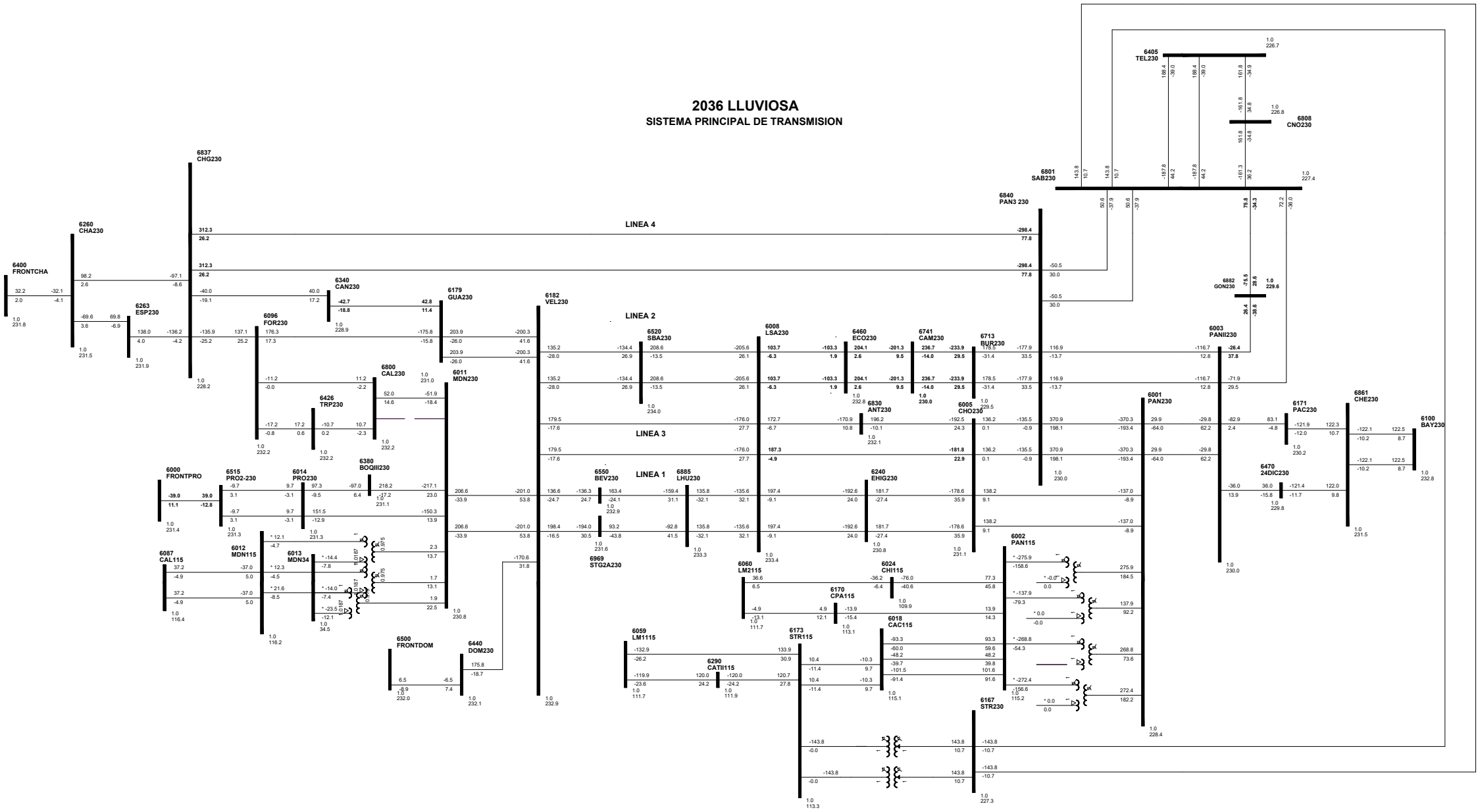
Contingencia 38



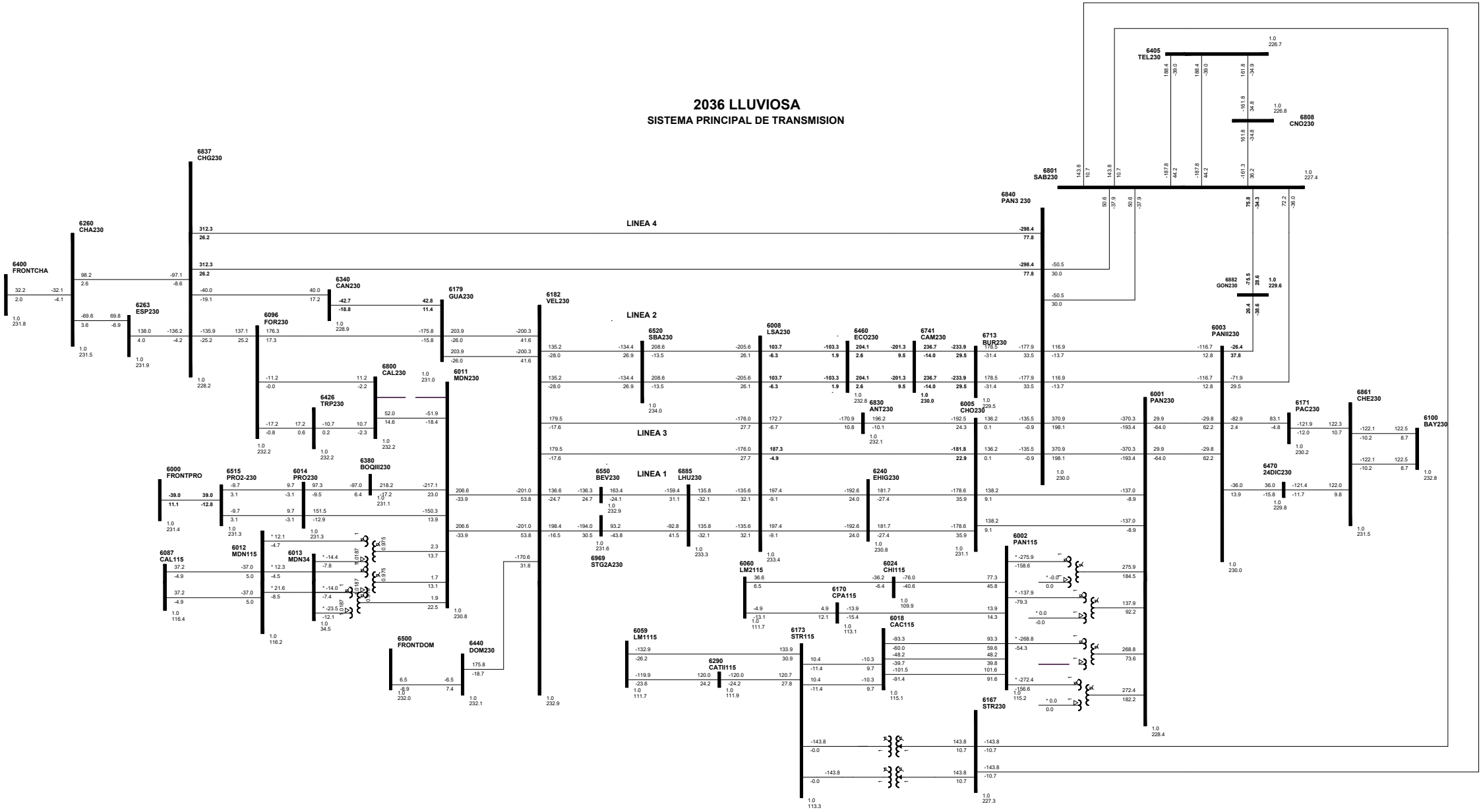
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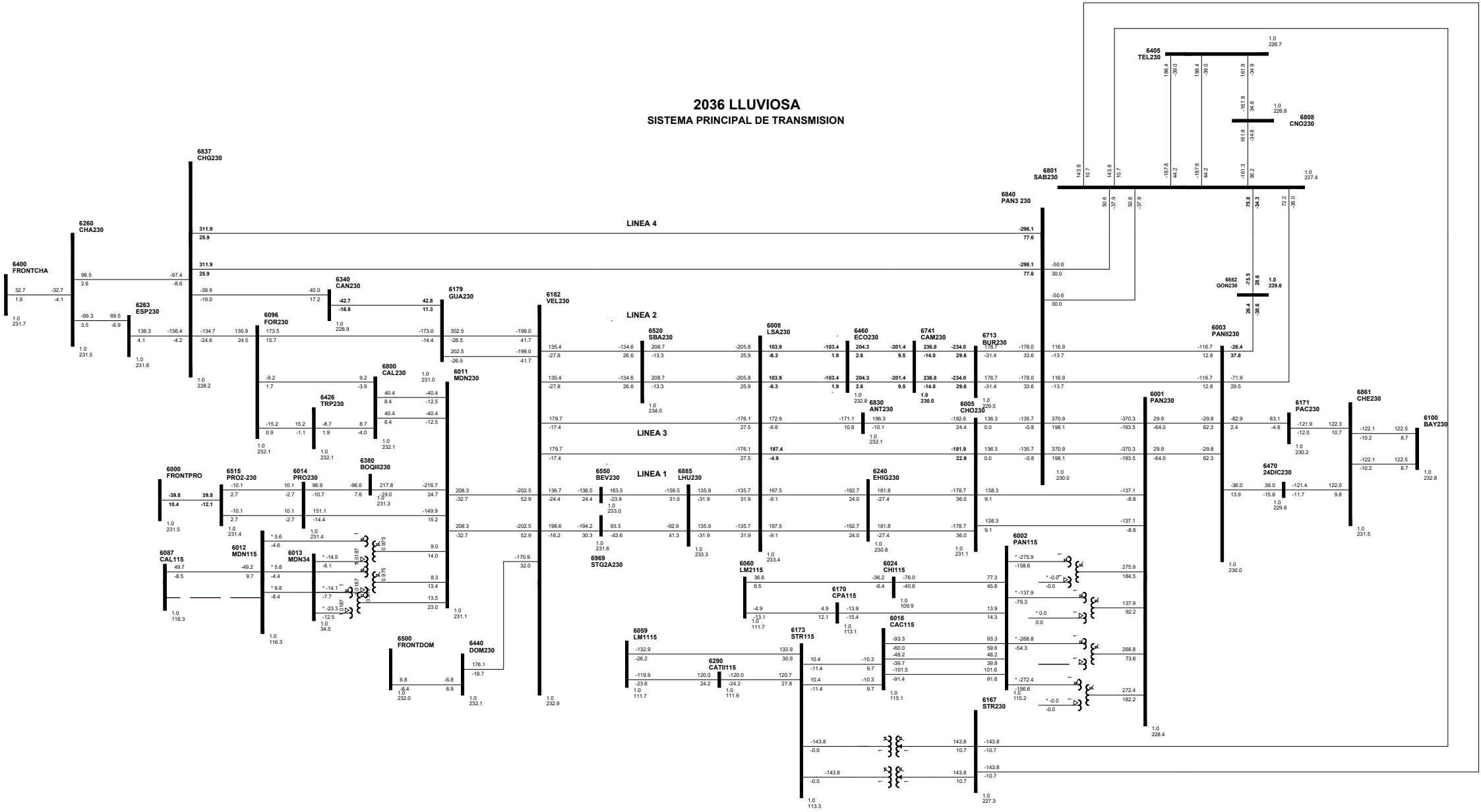
Contingencia 40



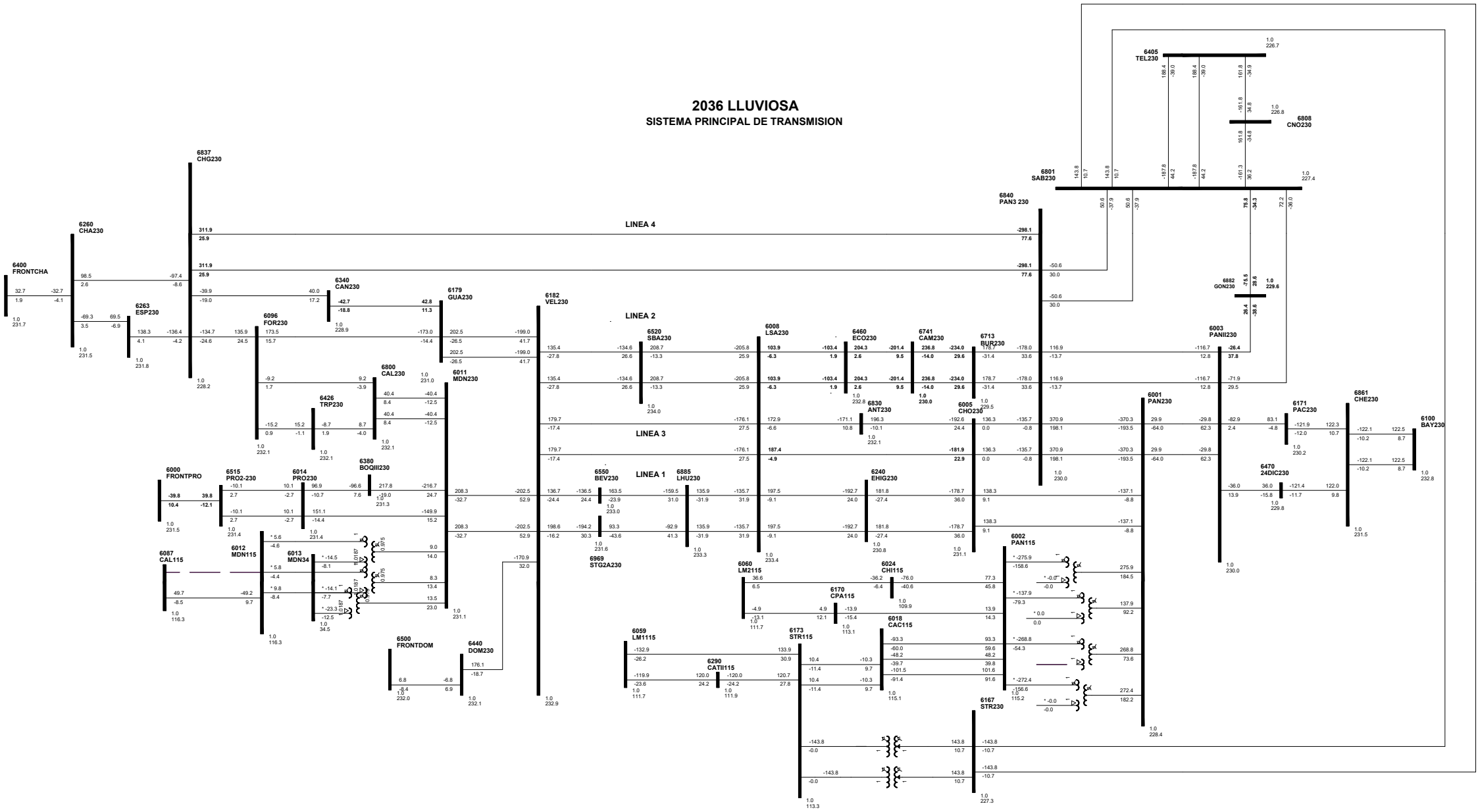
Contingencia 41



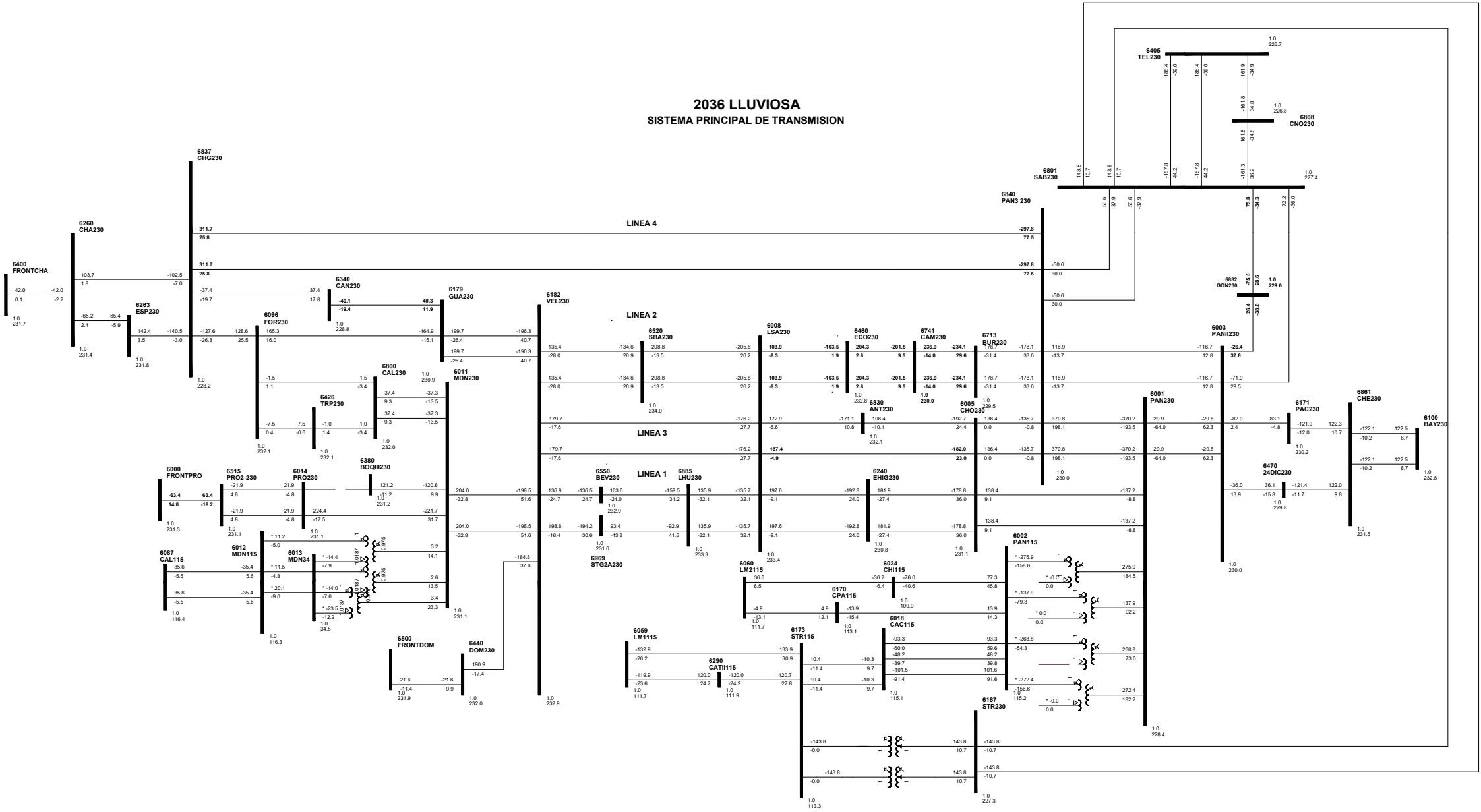
Contingencia 42



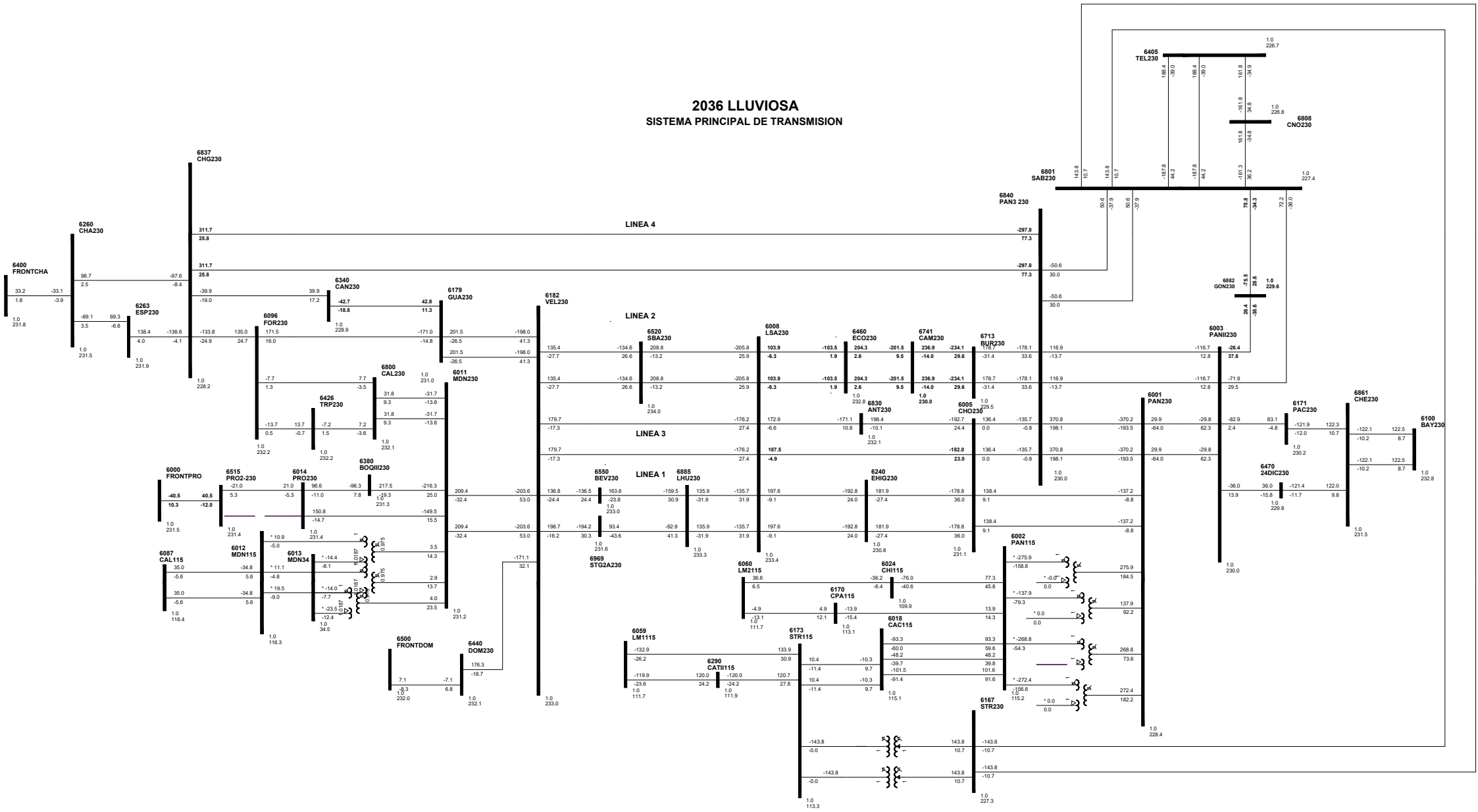
Contingencia 43



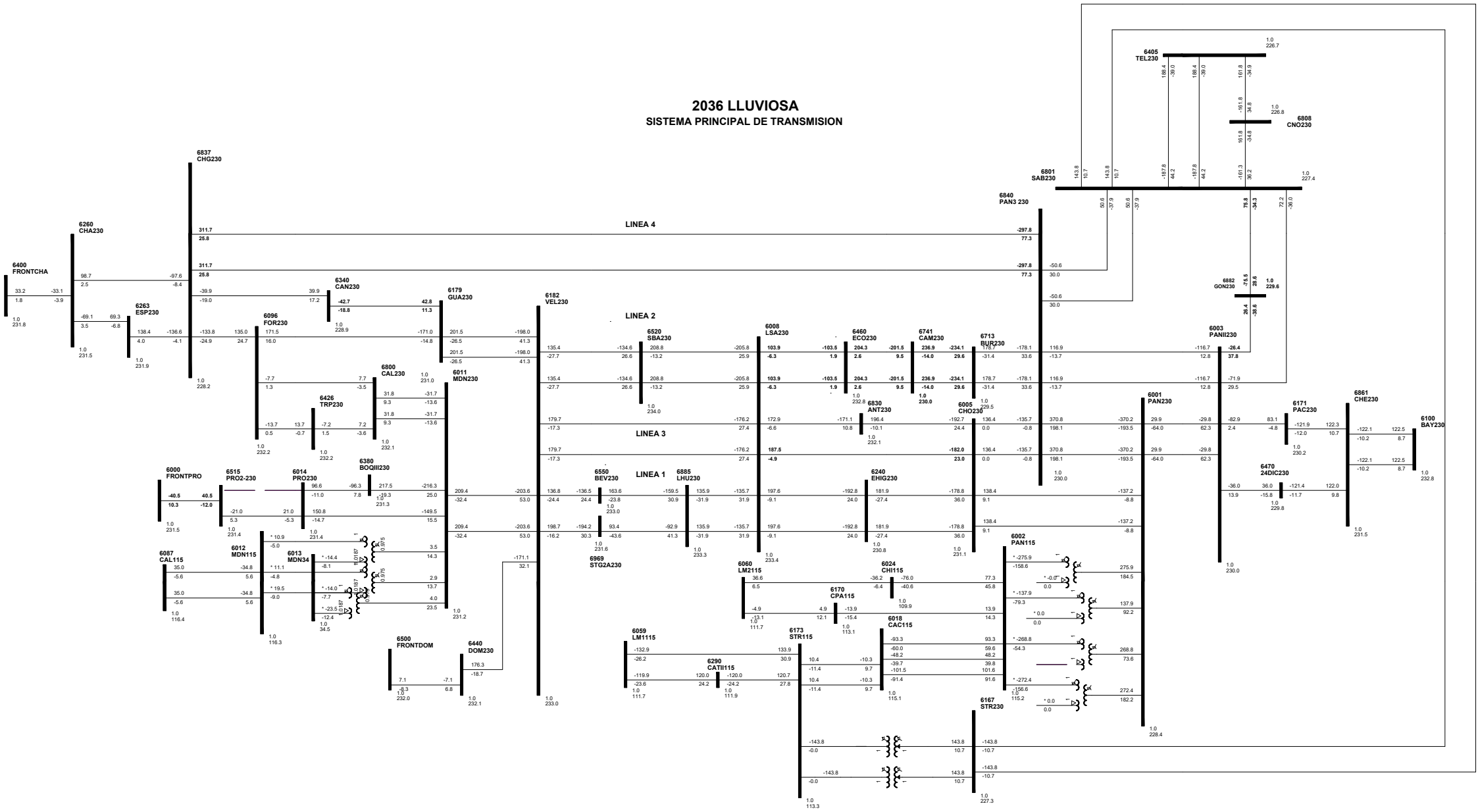
Contingencia 44



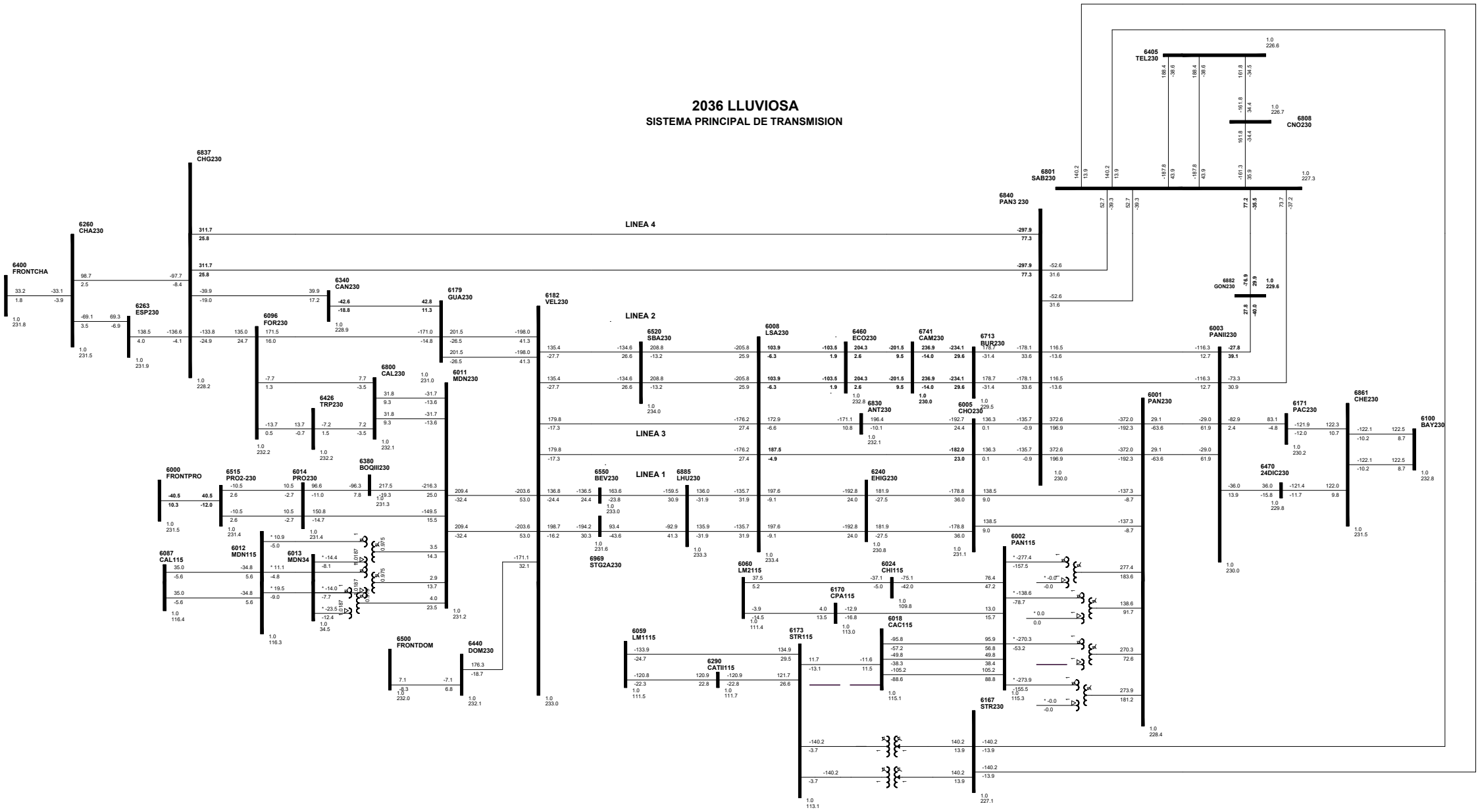
Contingencia 45



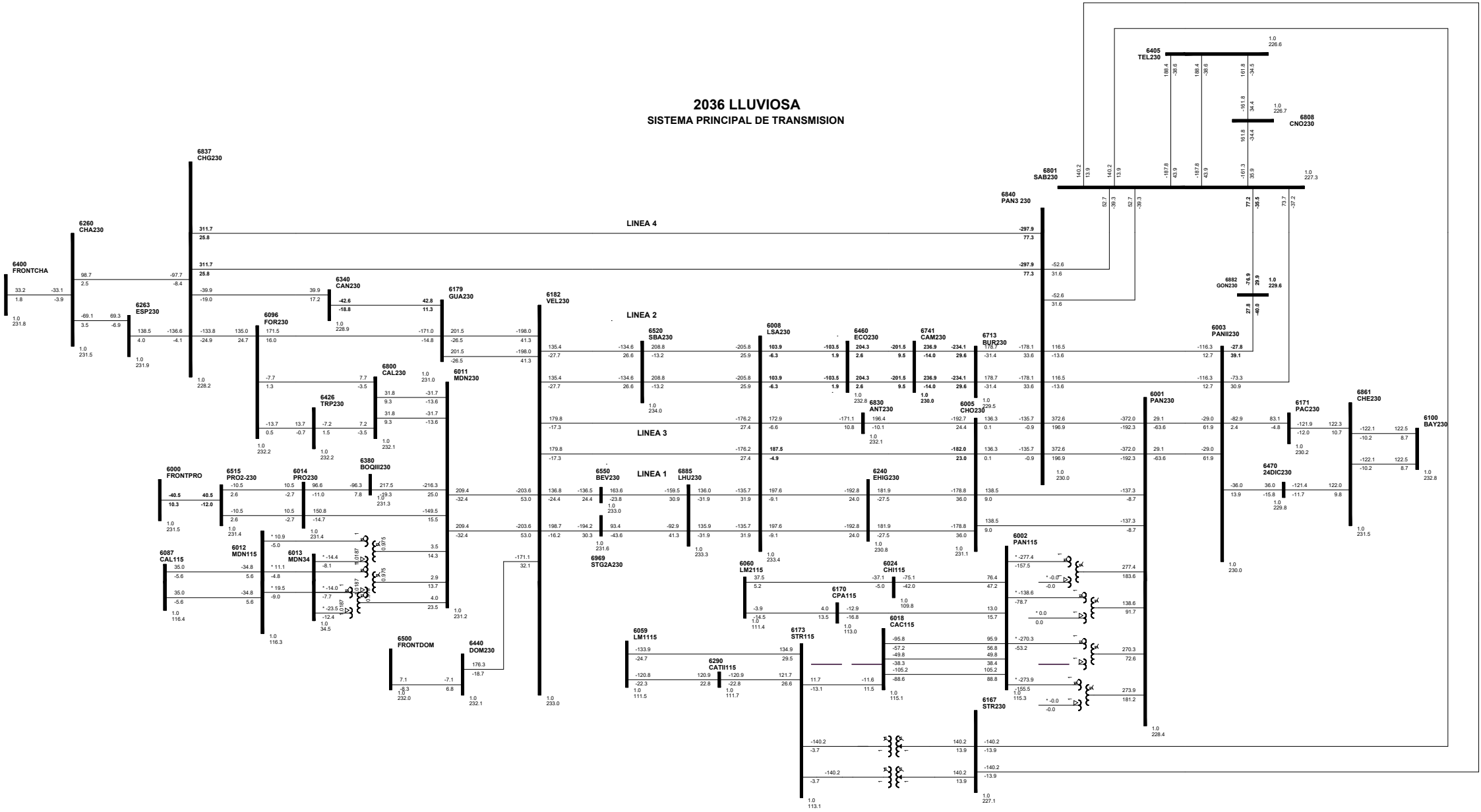
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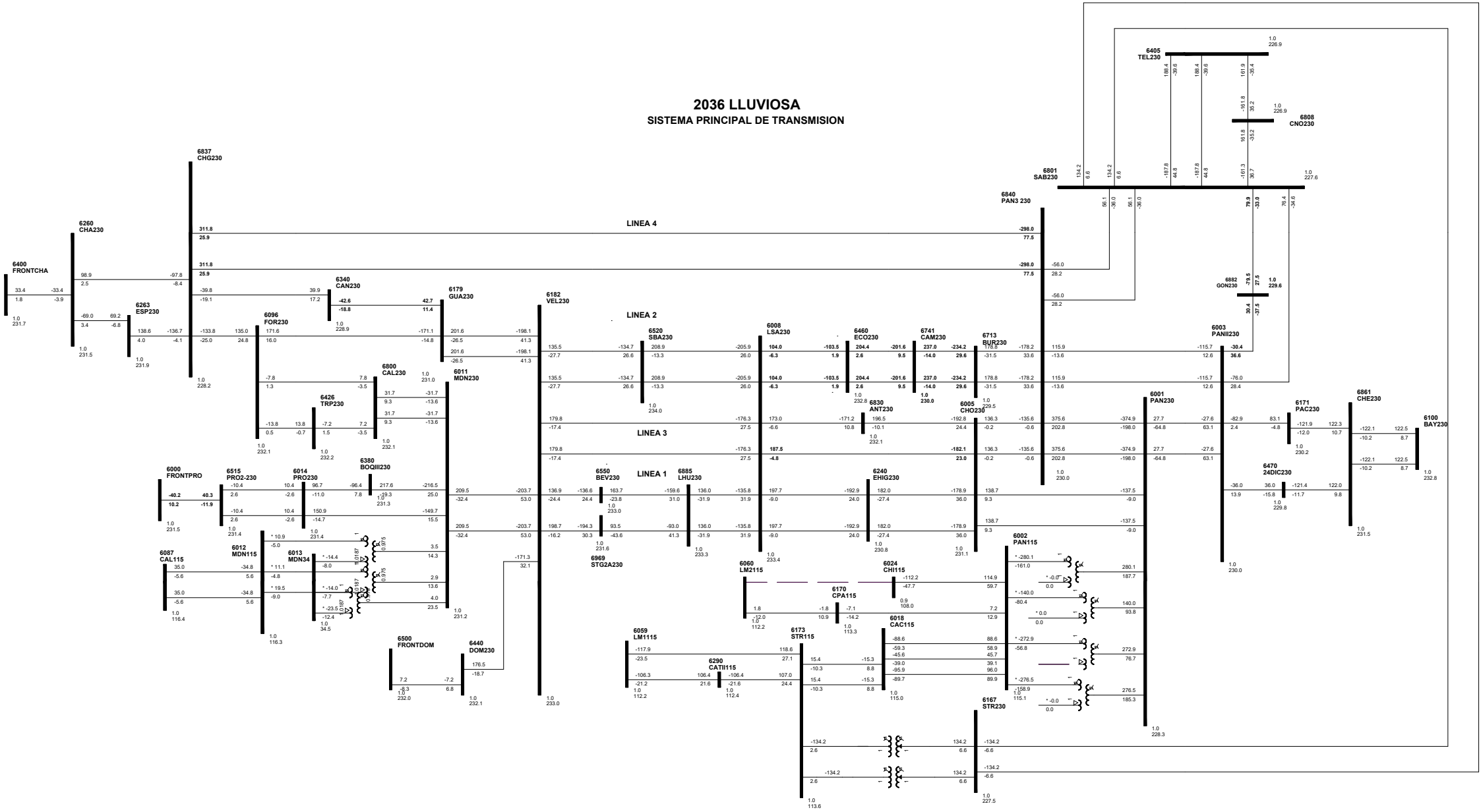
Contingencia 47



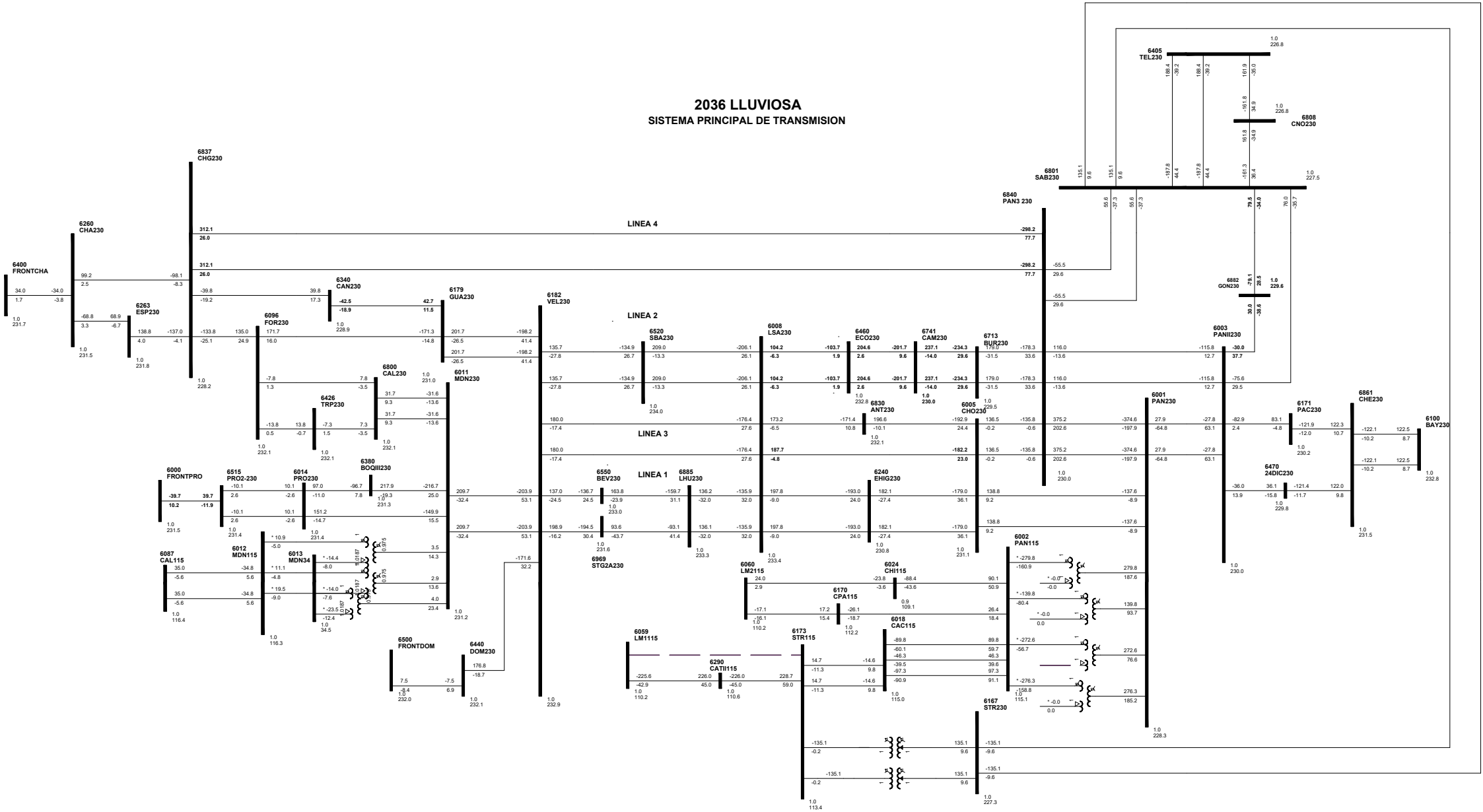
Contingencia 48



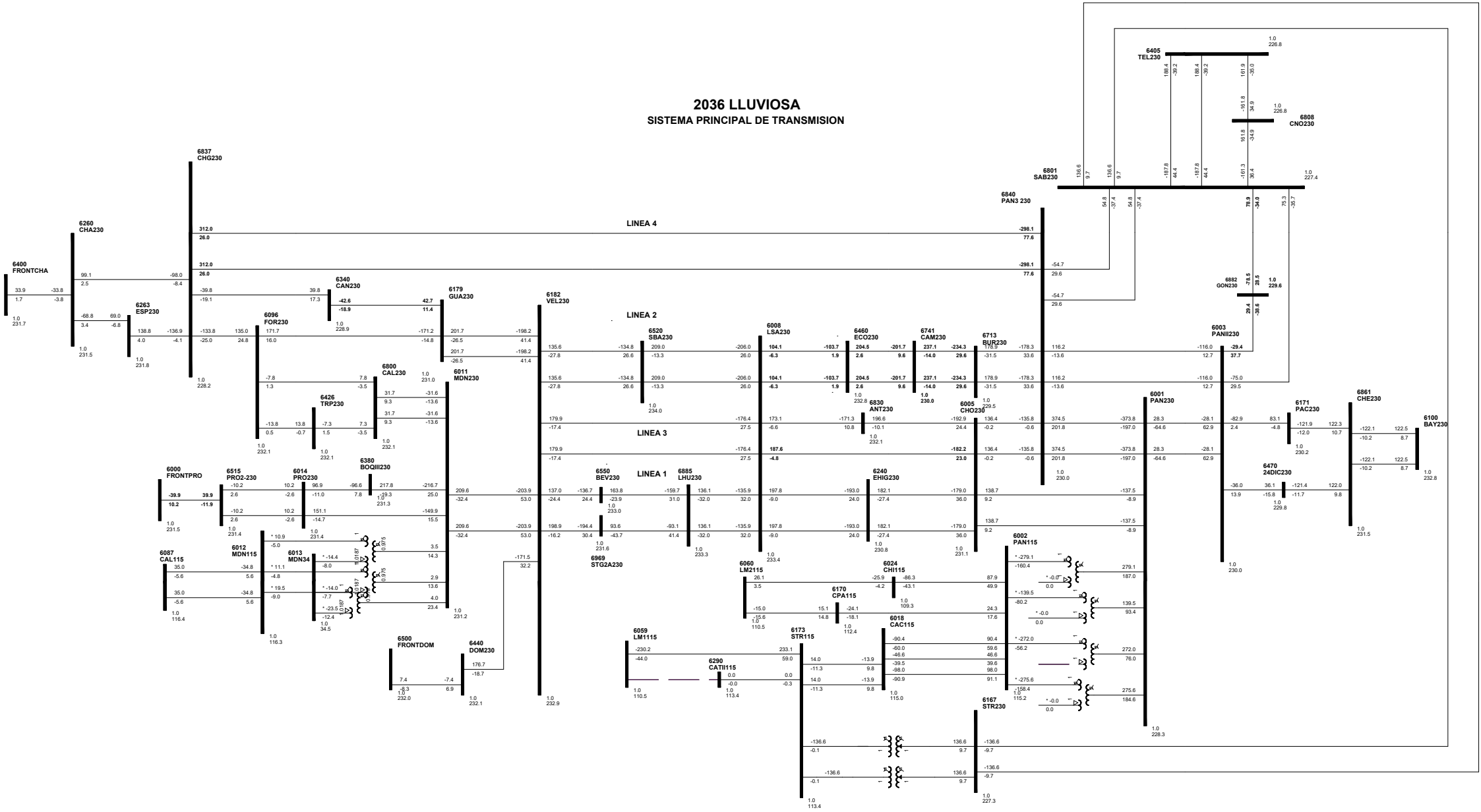
Contingencia 49



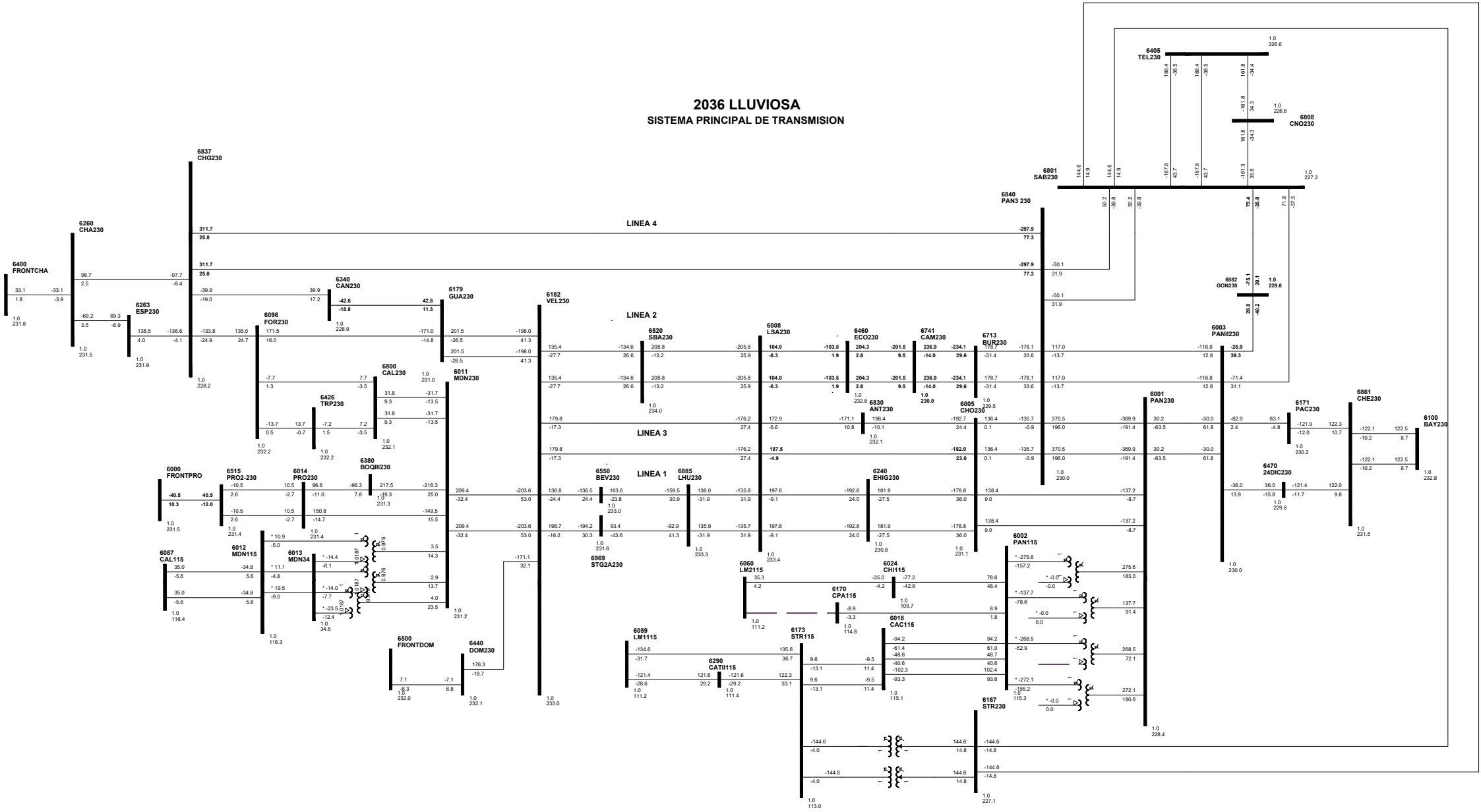
Contingencia 50



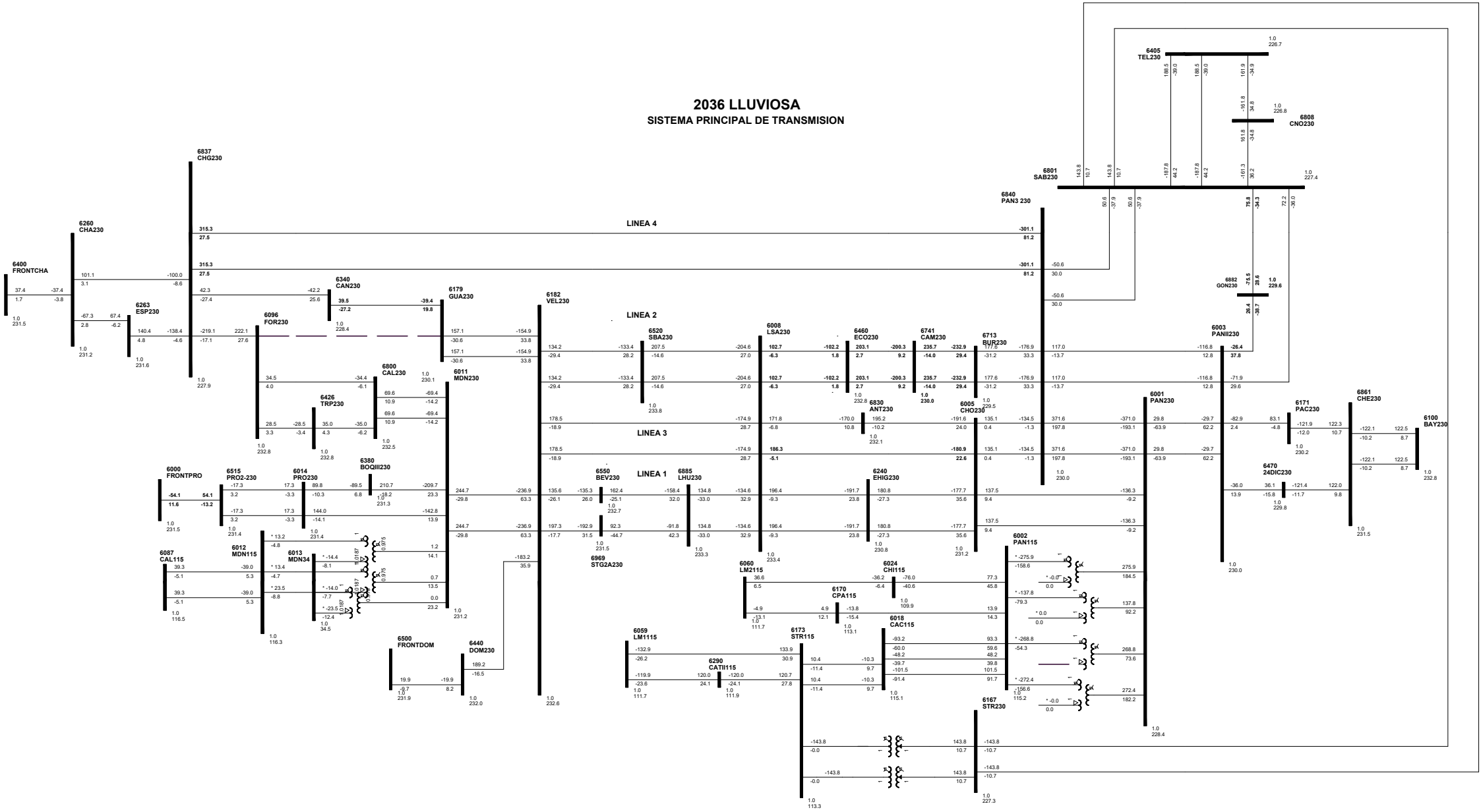
Contingencia 51



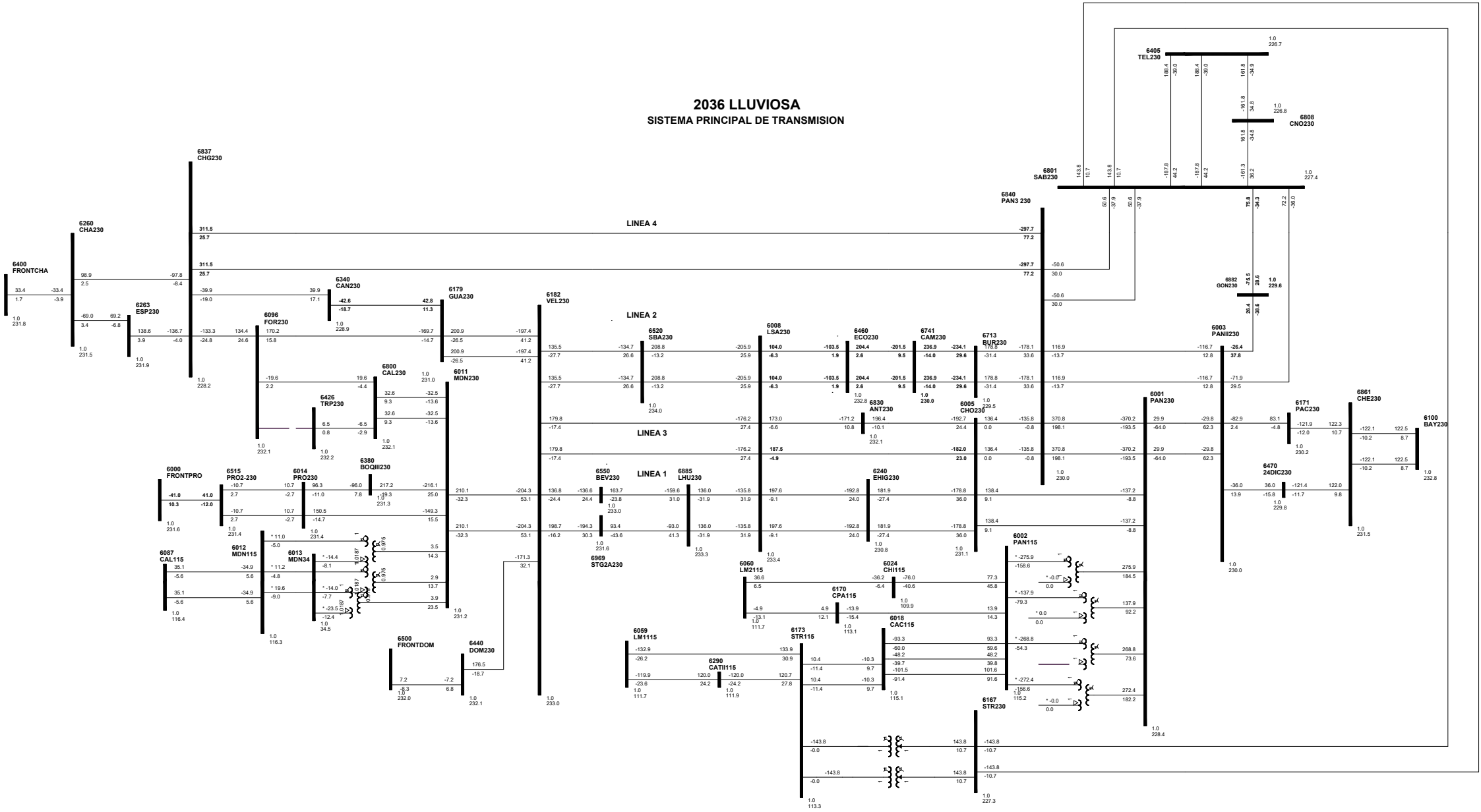
Contingencia 52



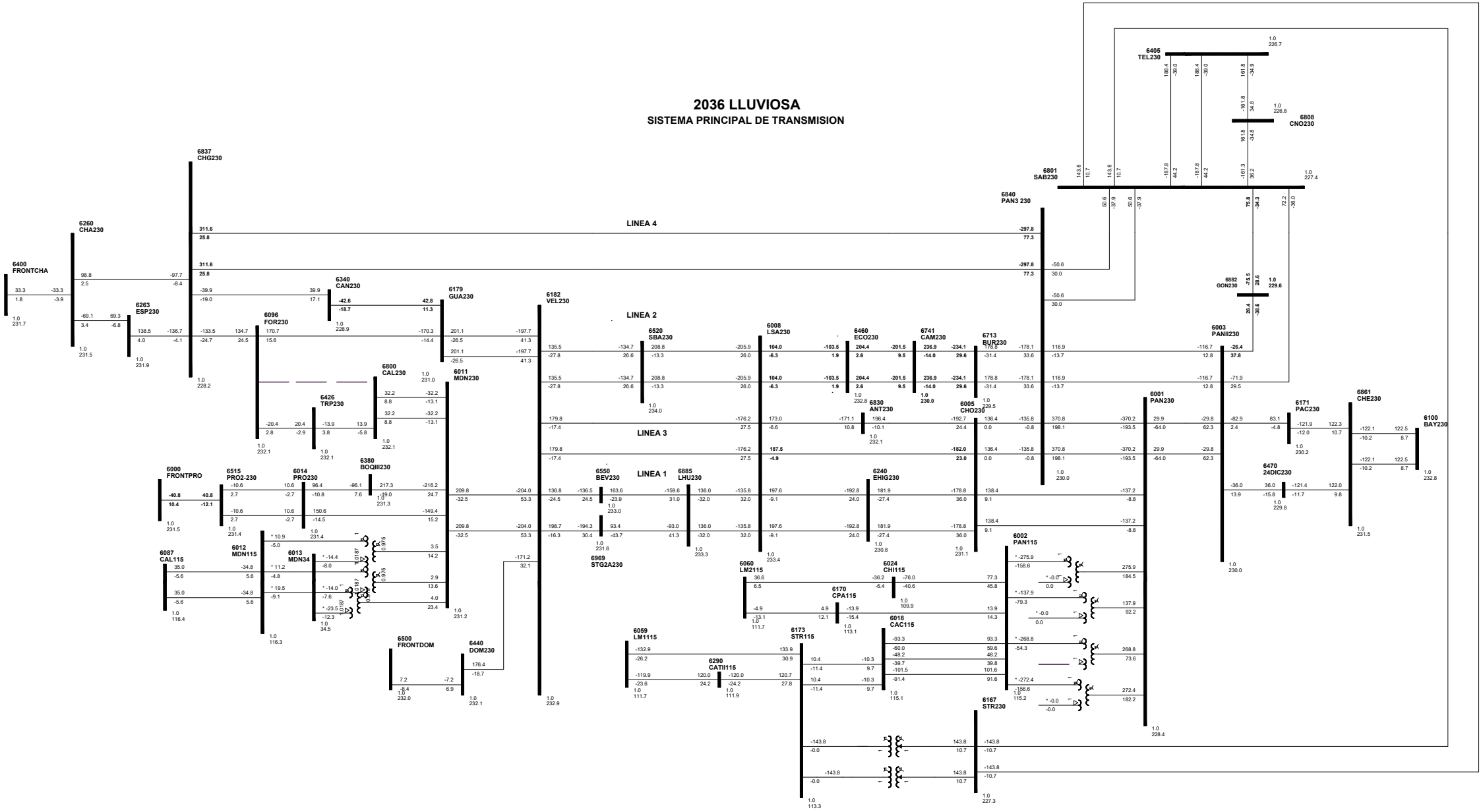
Contingencia 53



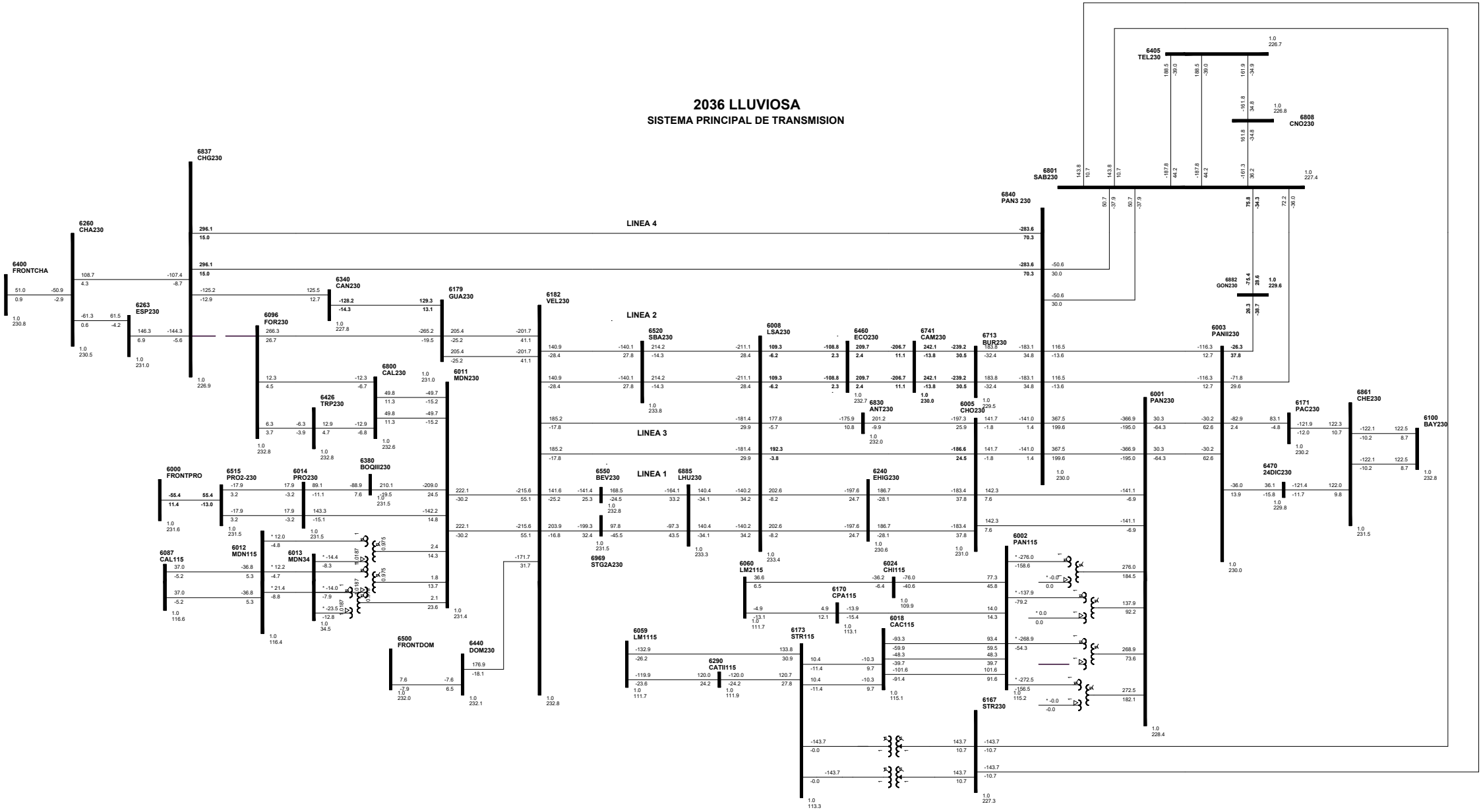
Contingencia 54



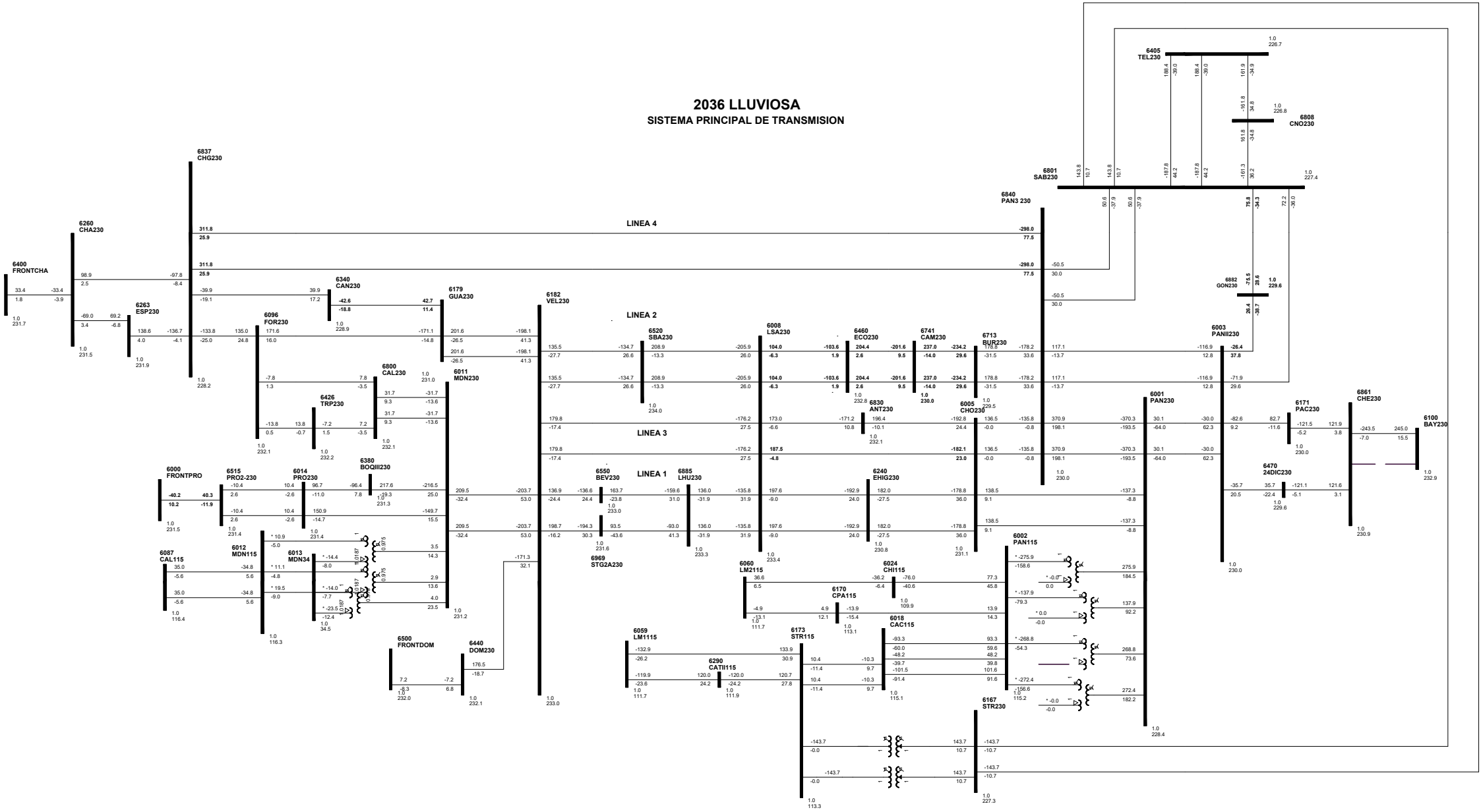
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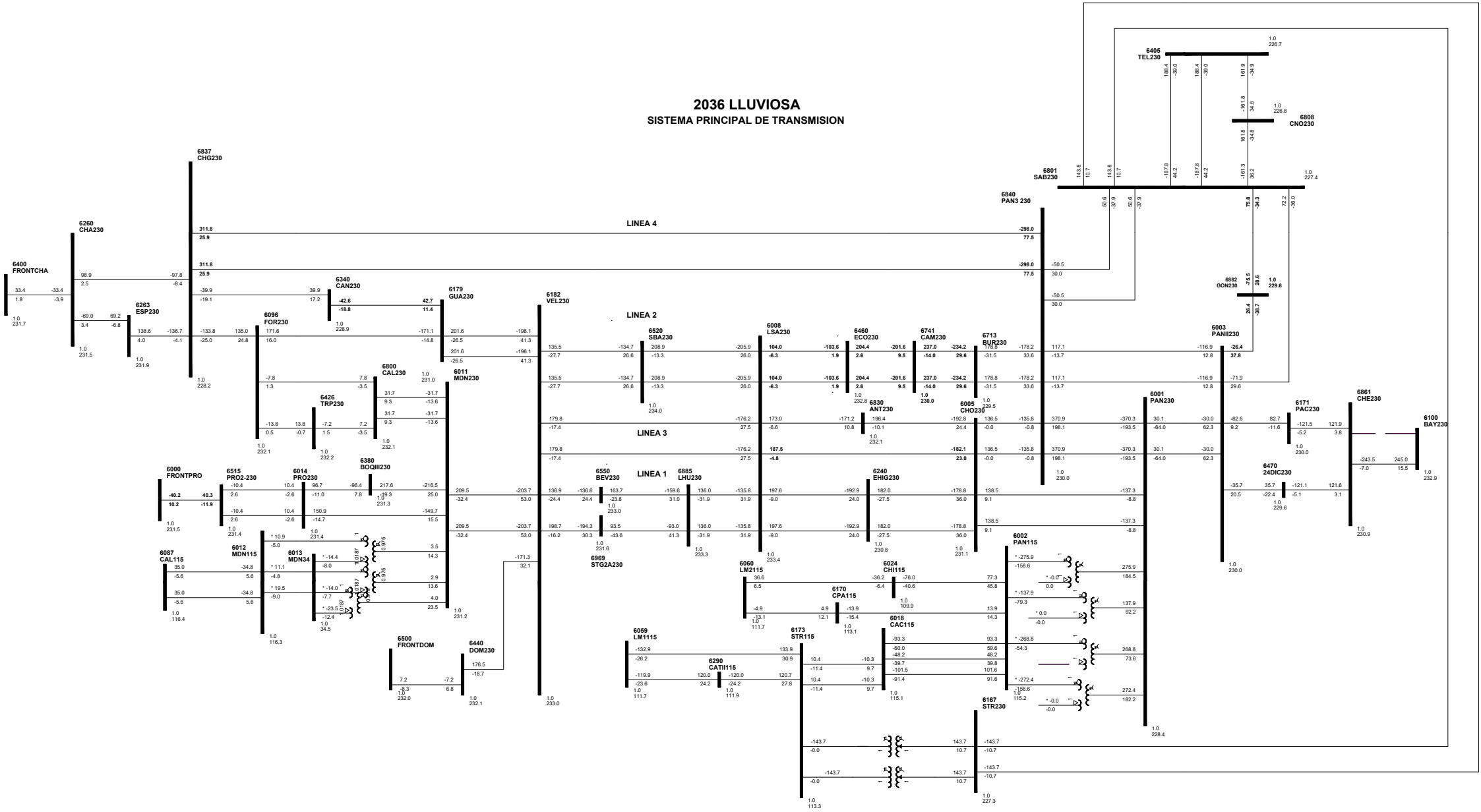
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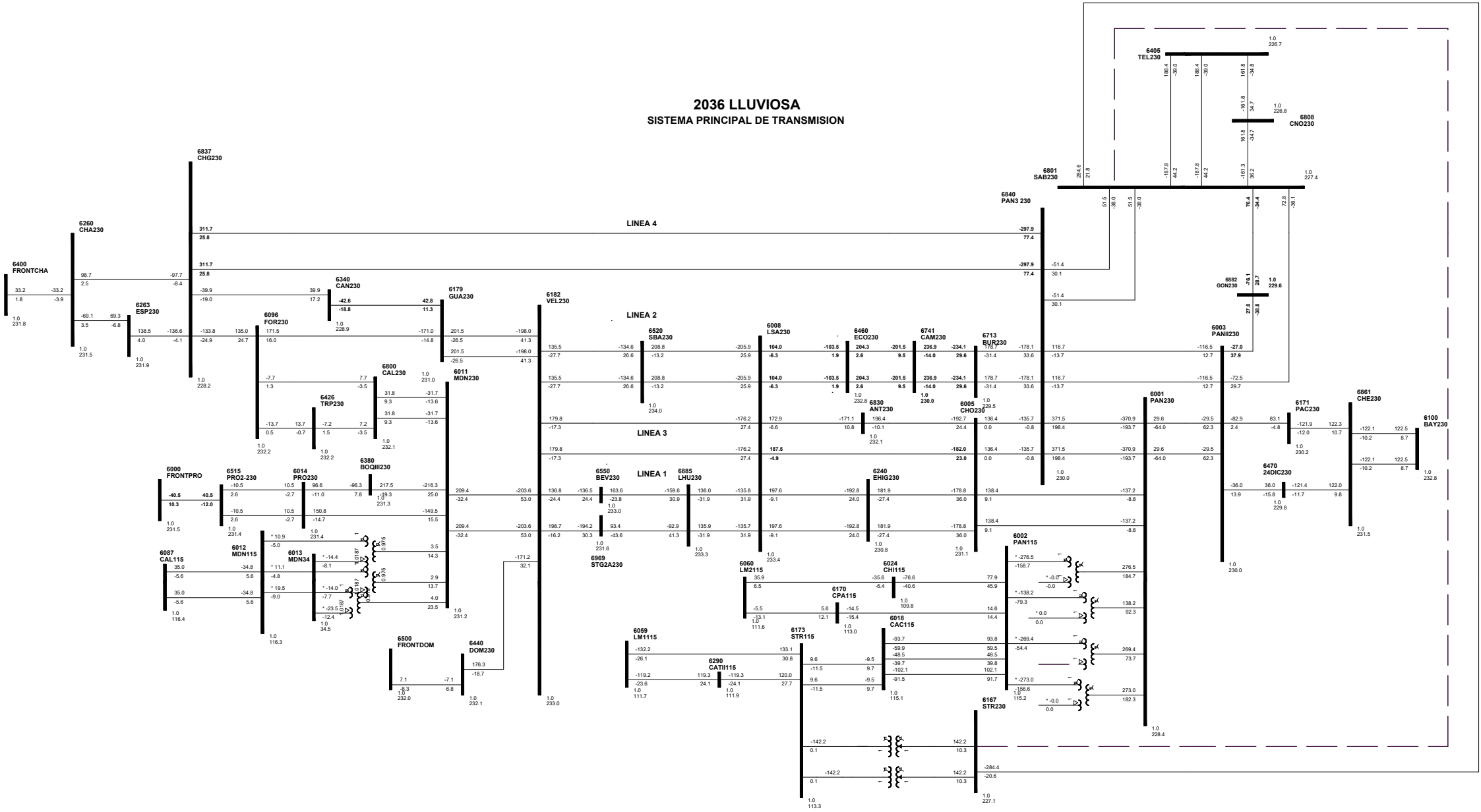
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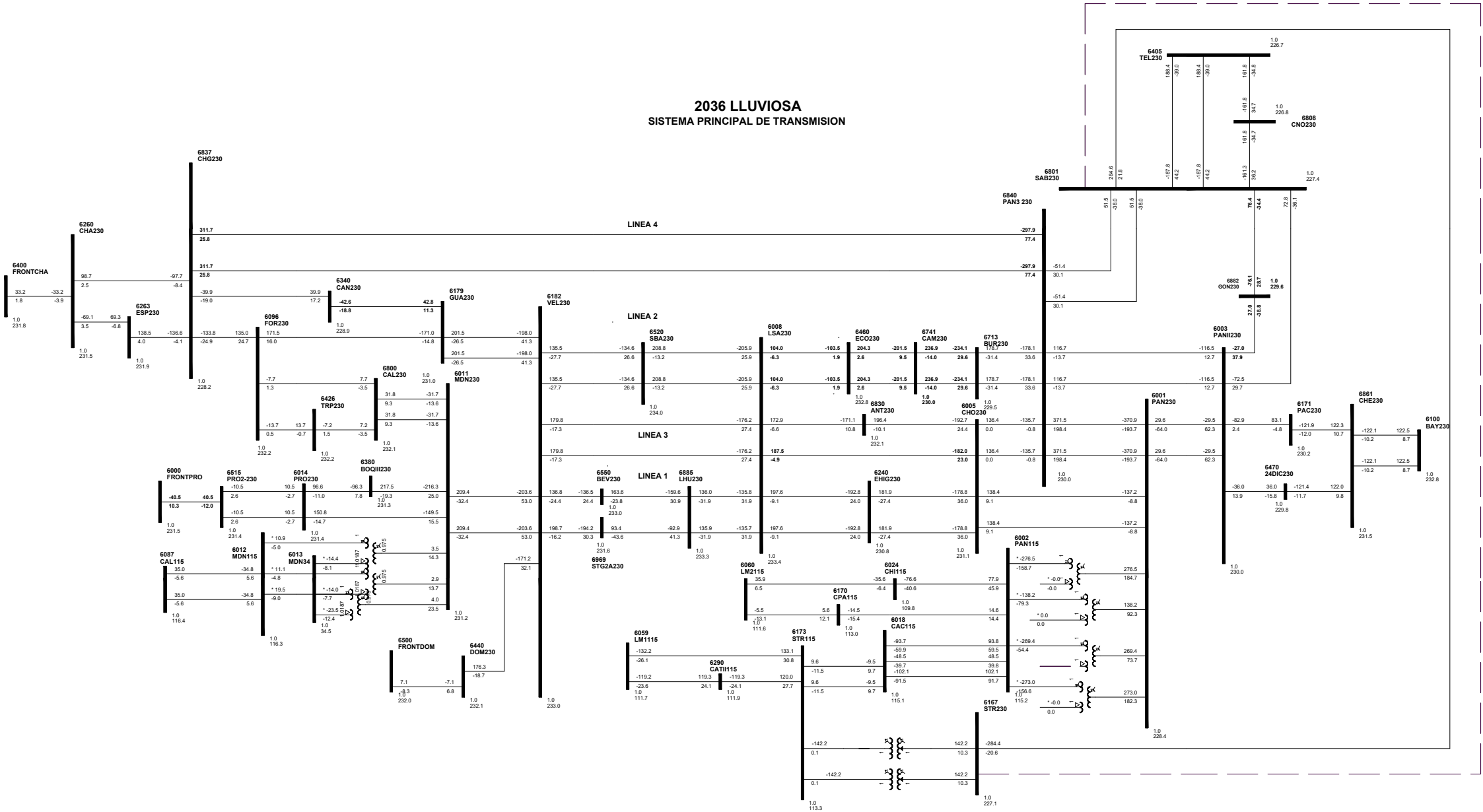
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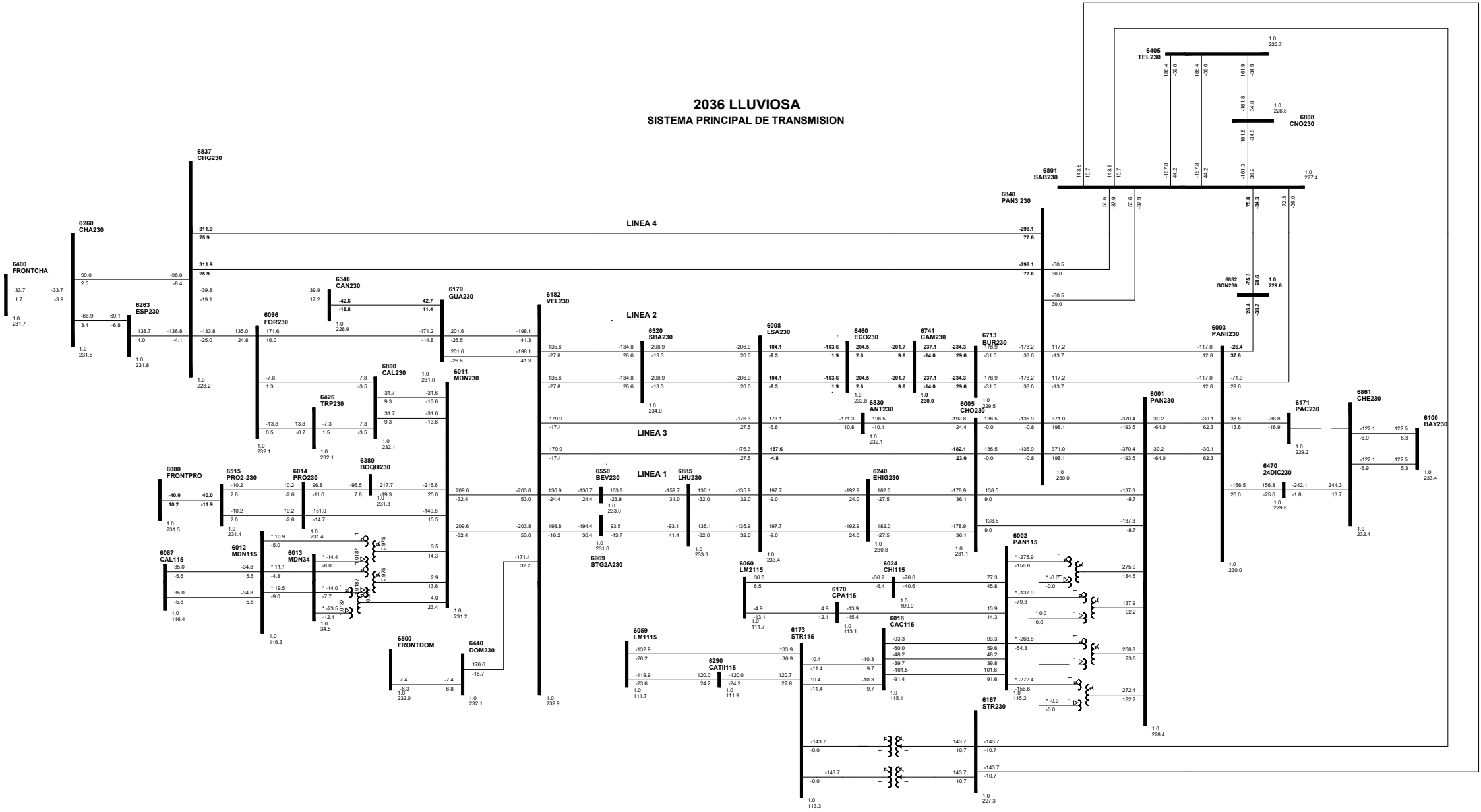
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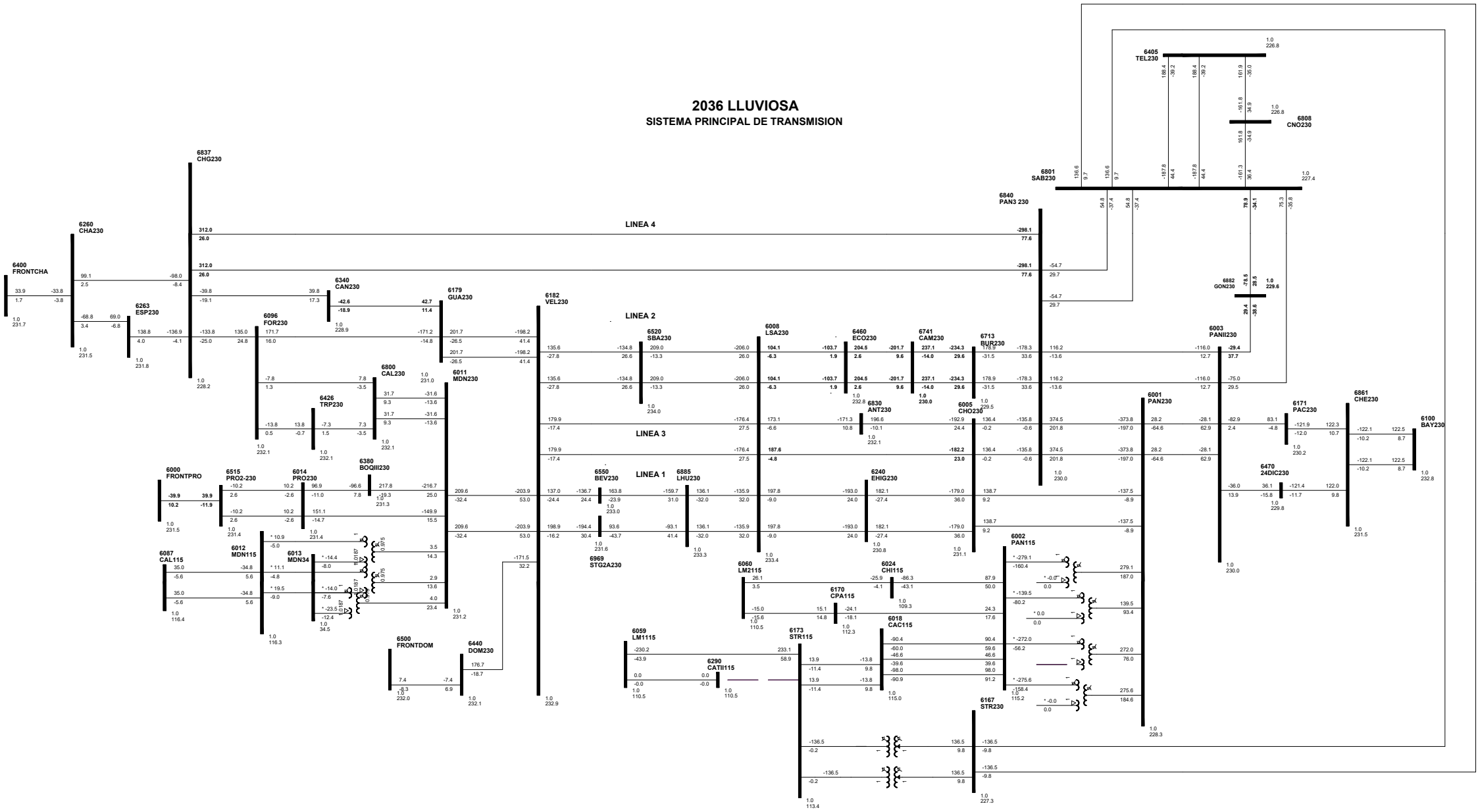
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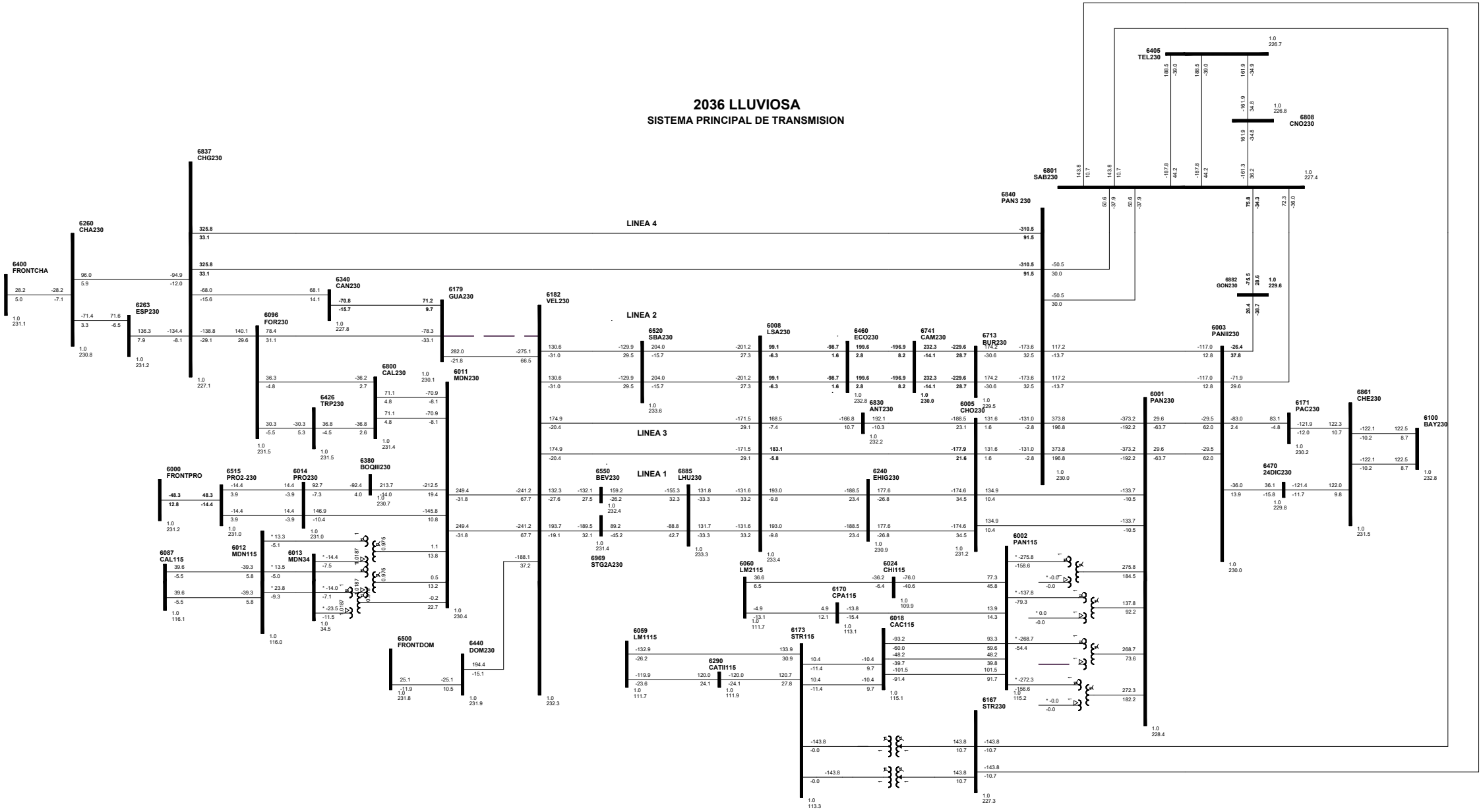
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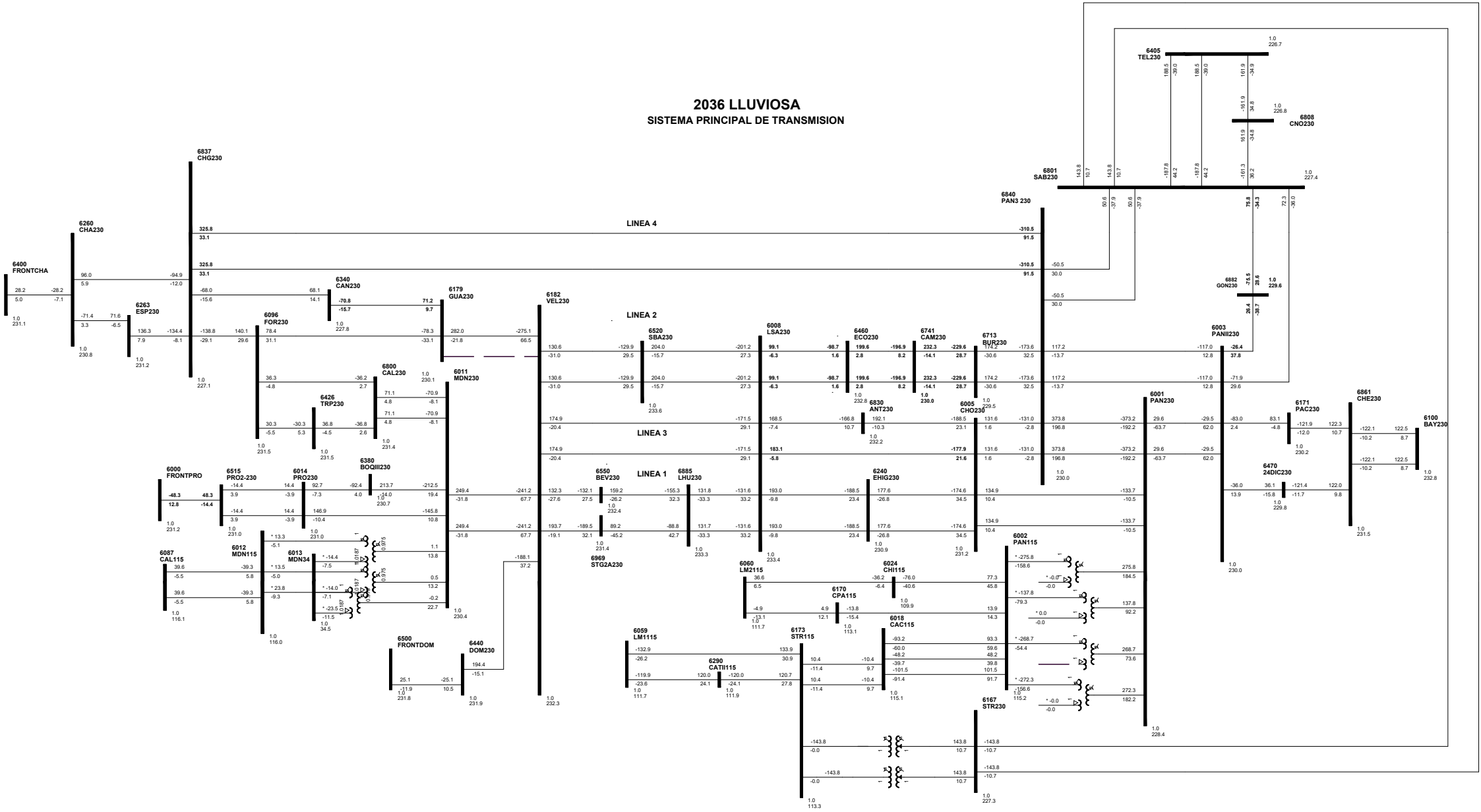
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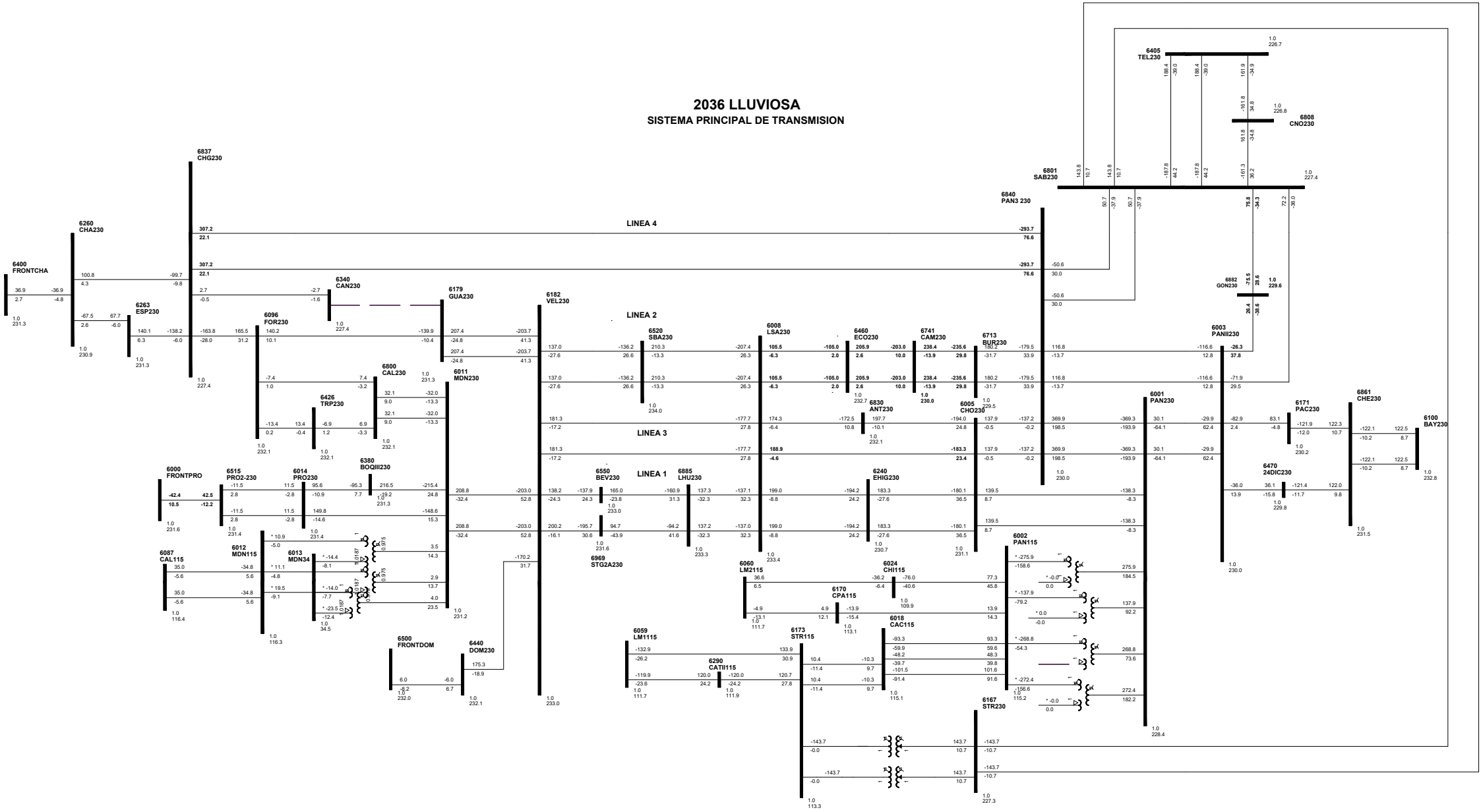
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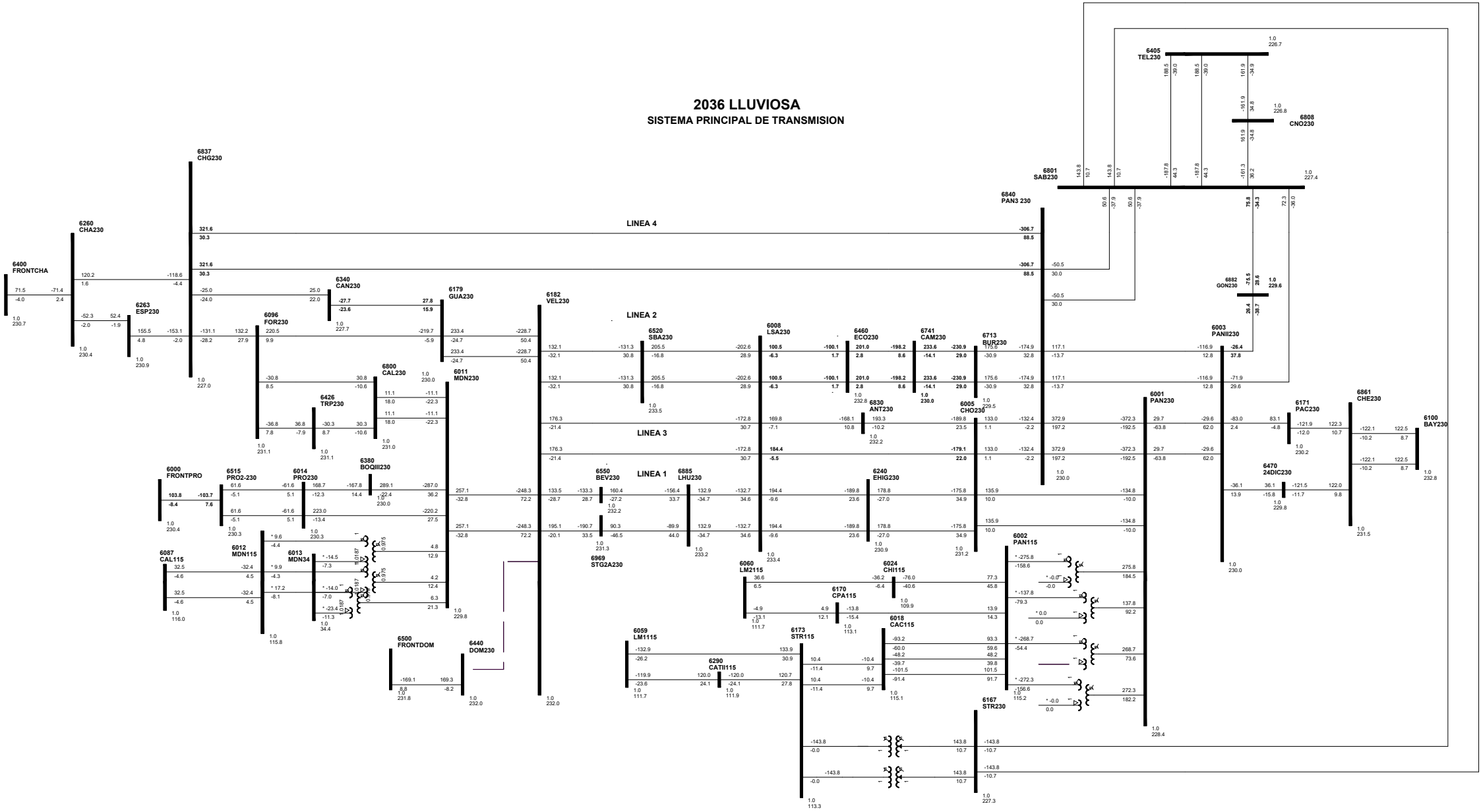
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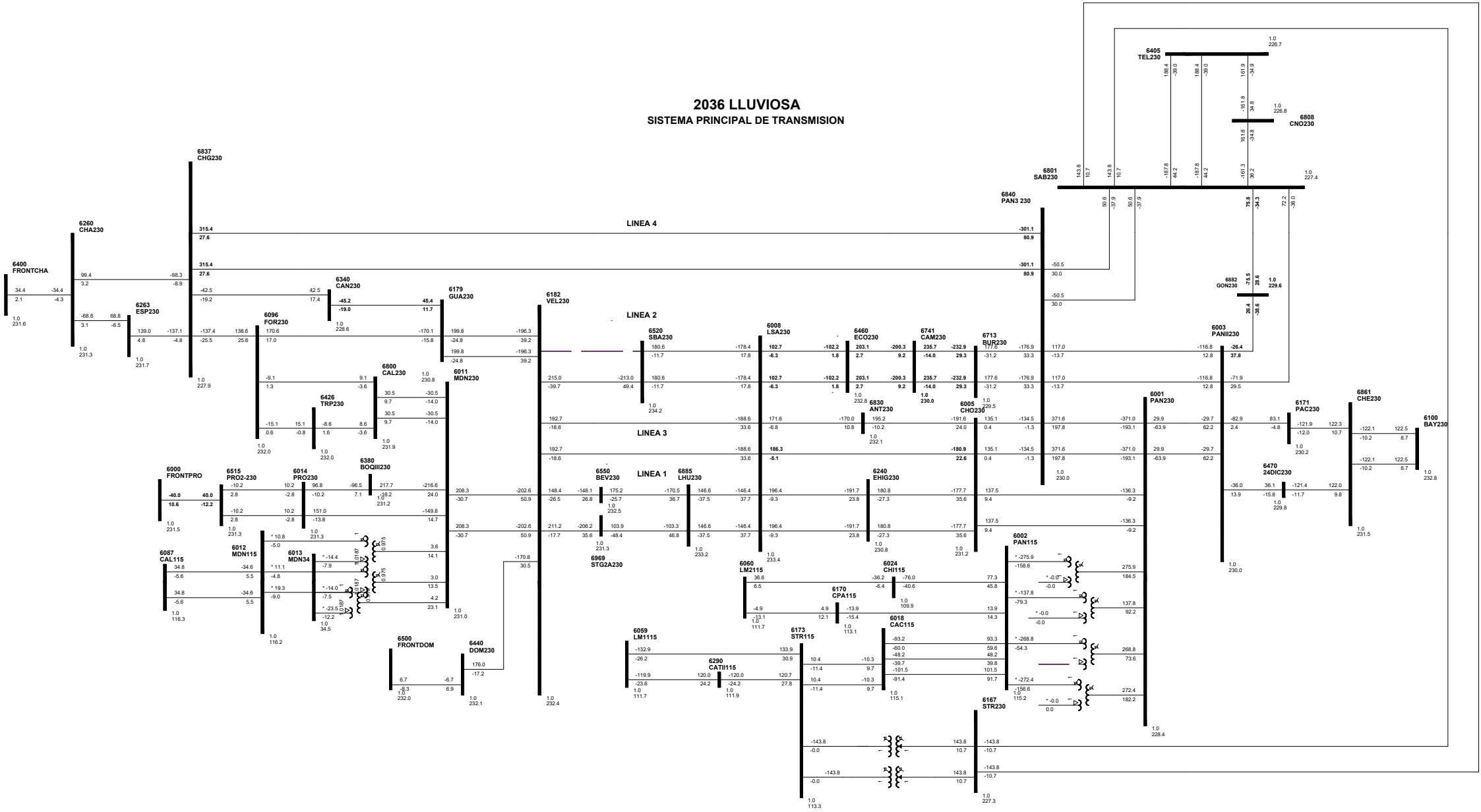
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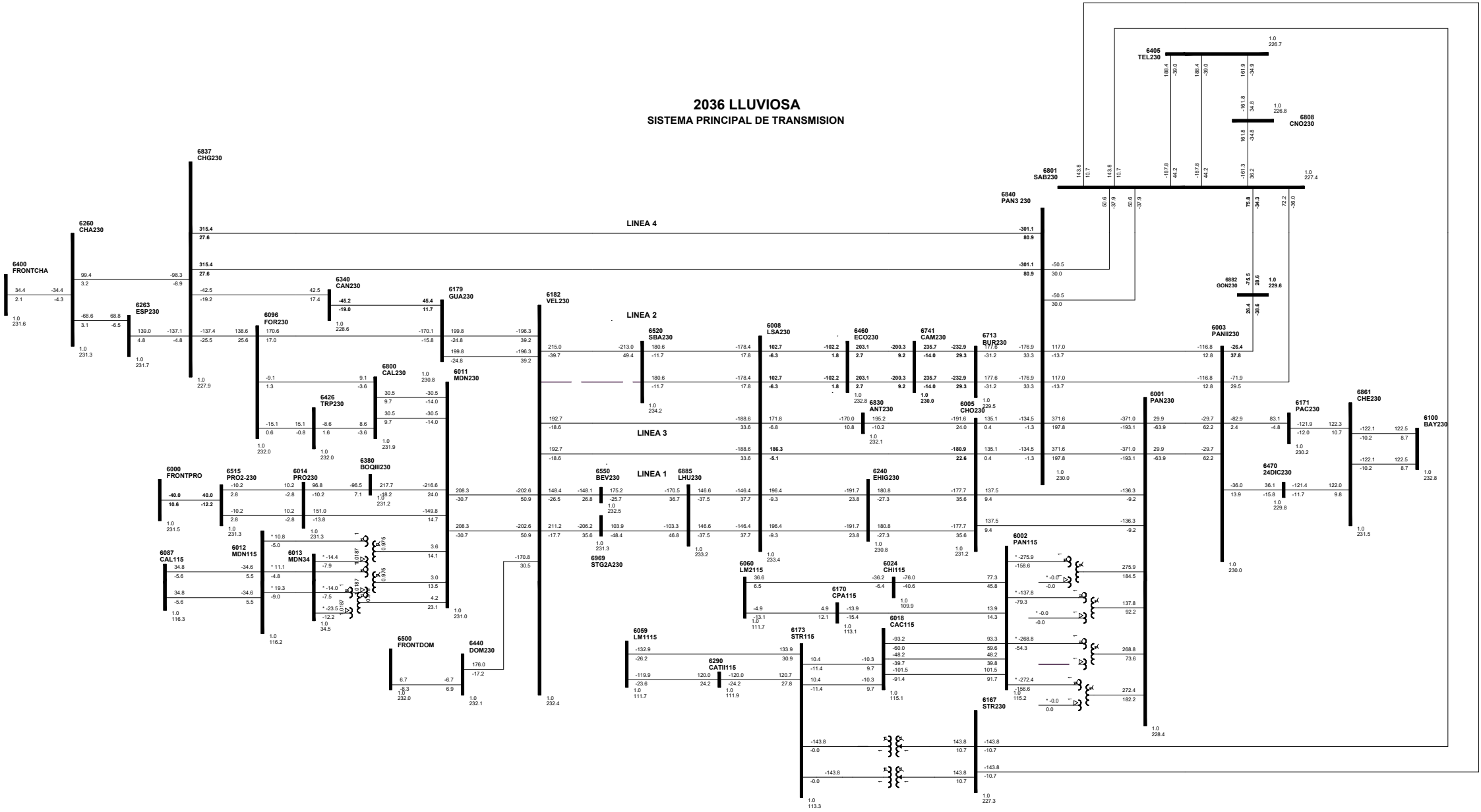
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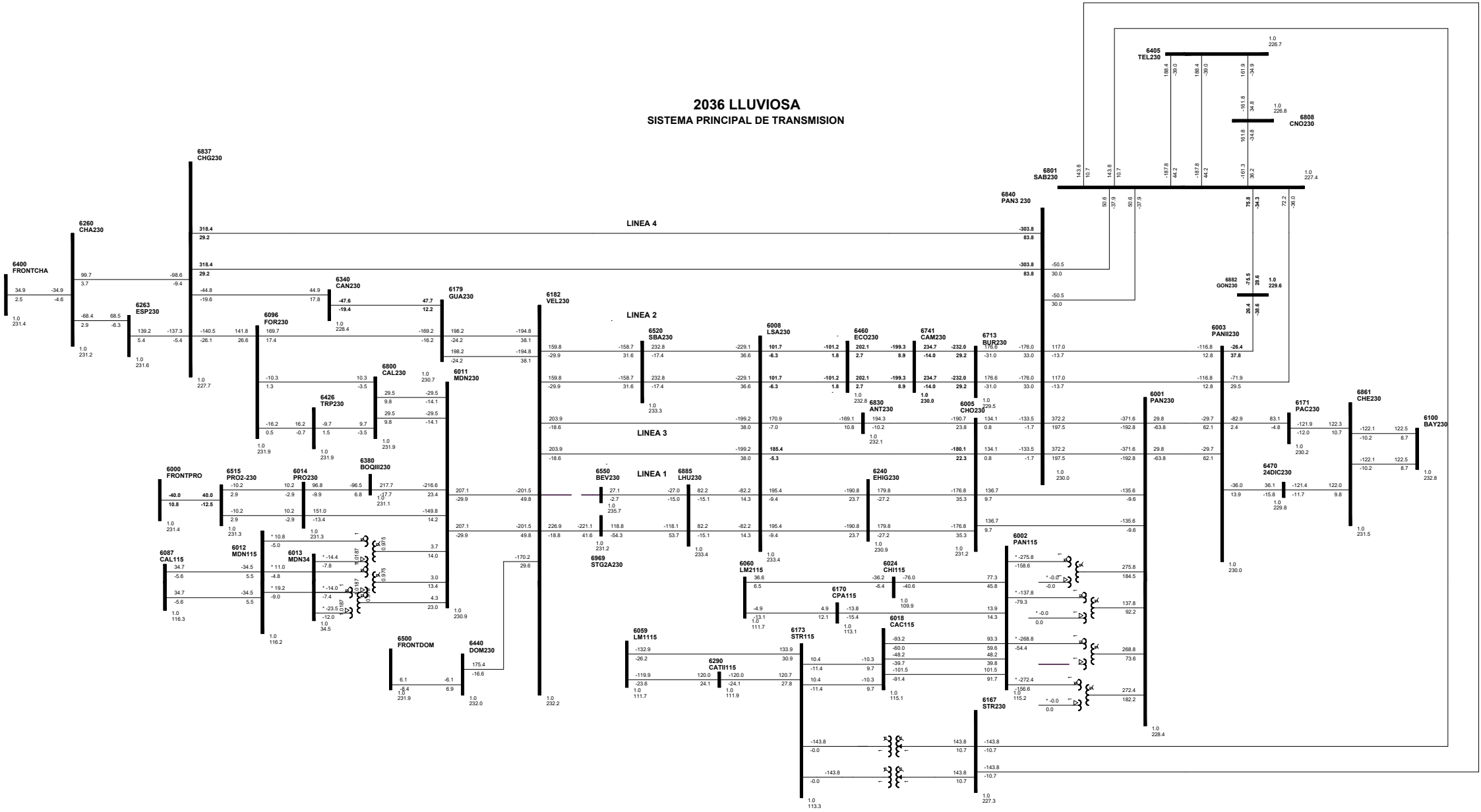
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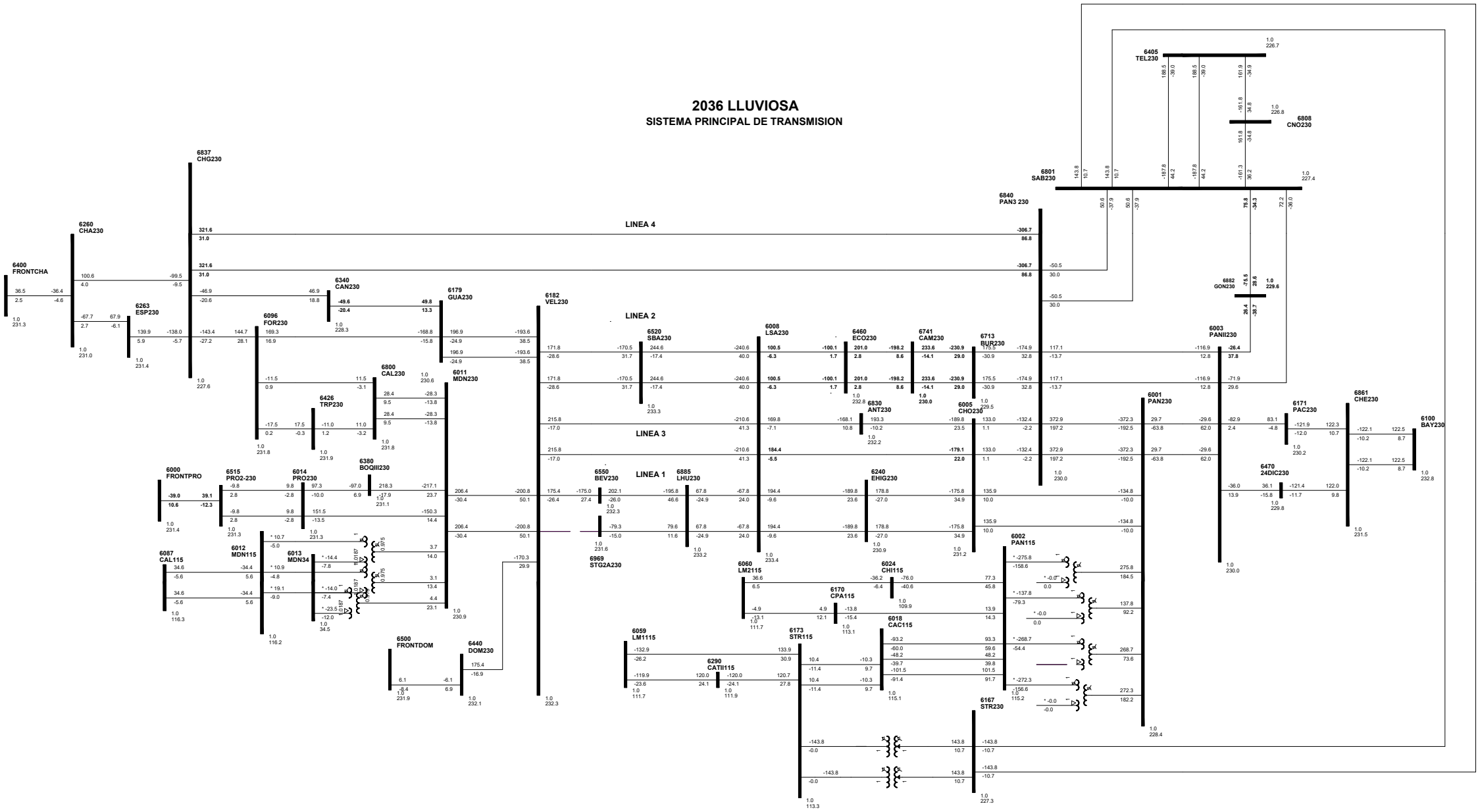
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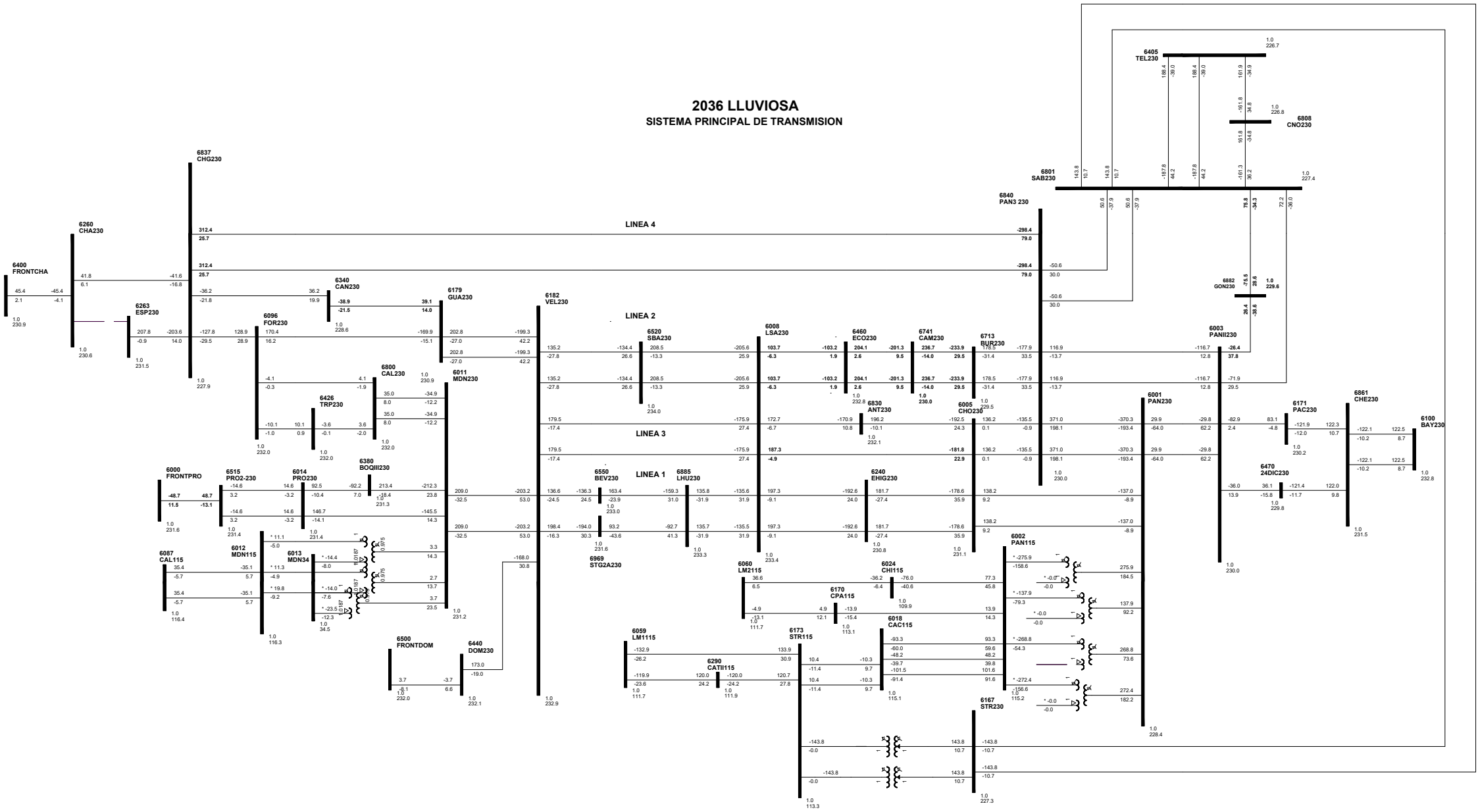
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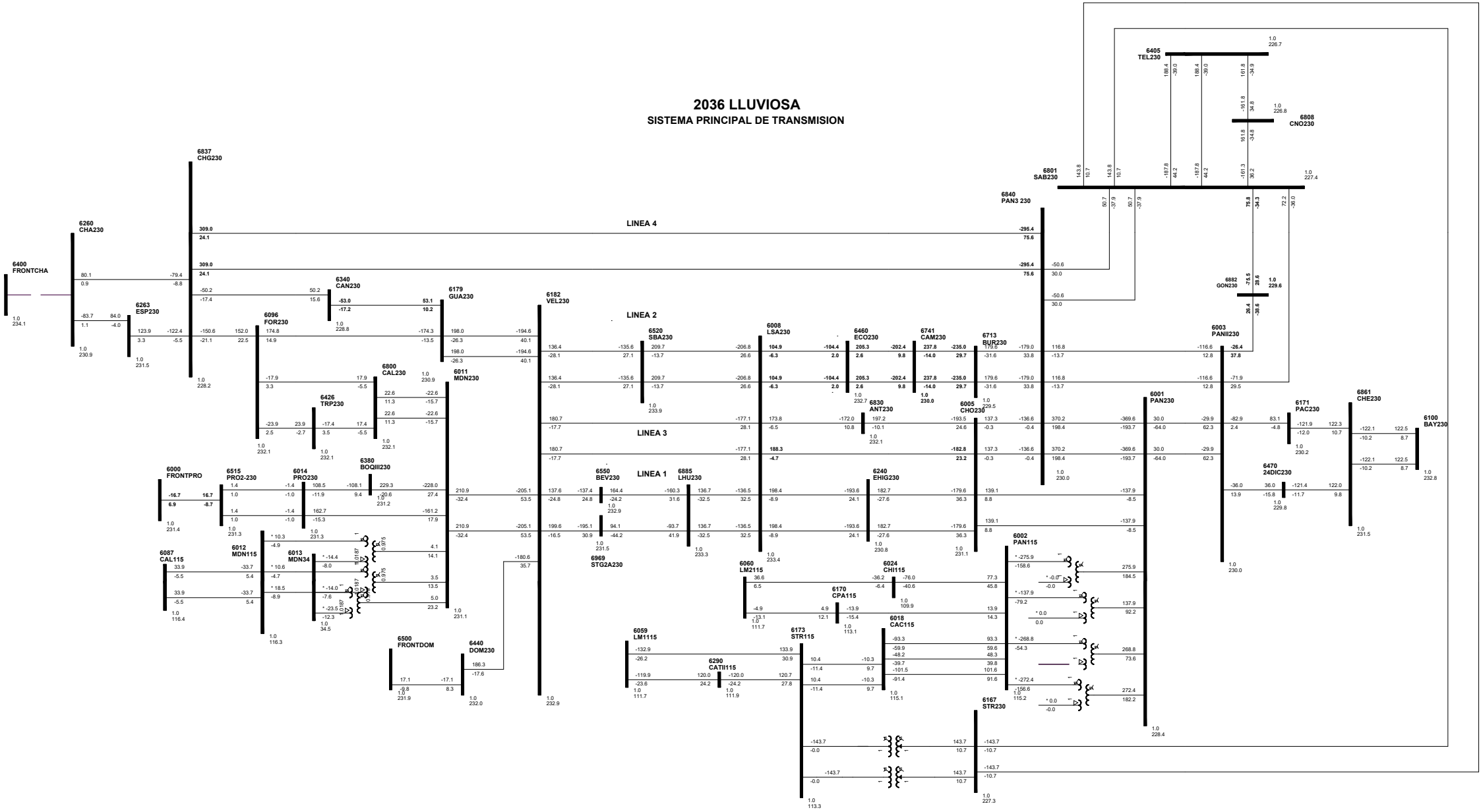
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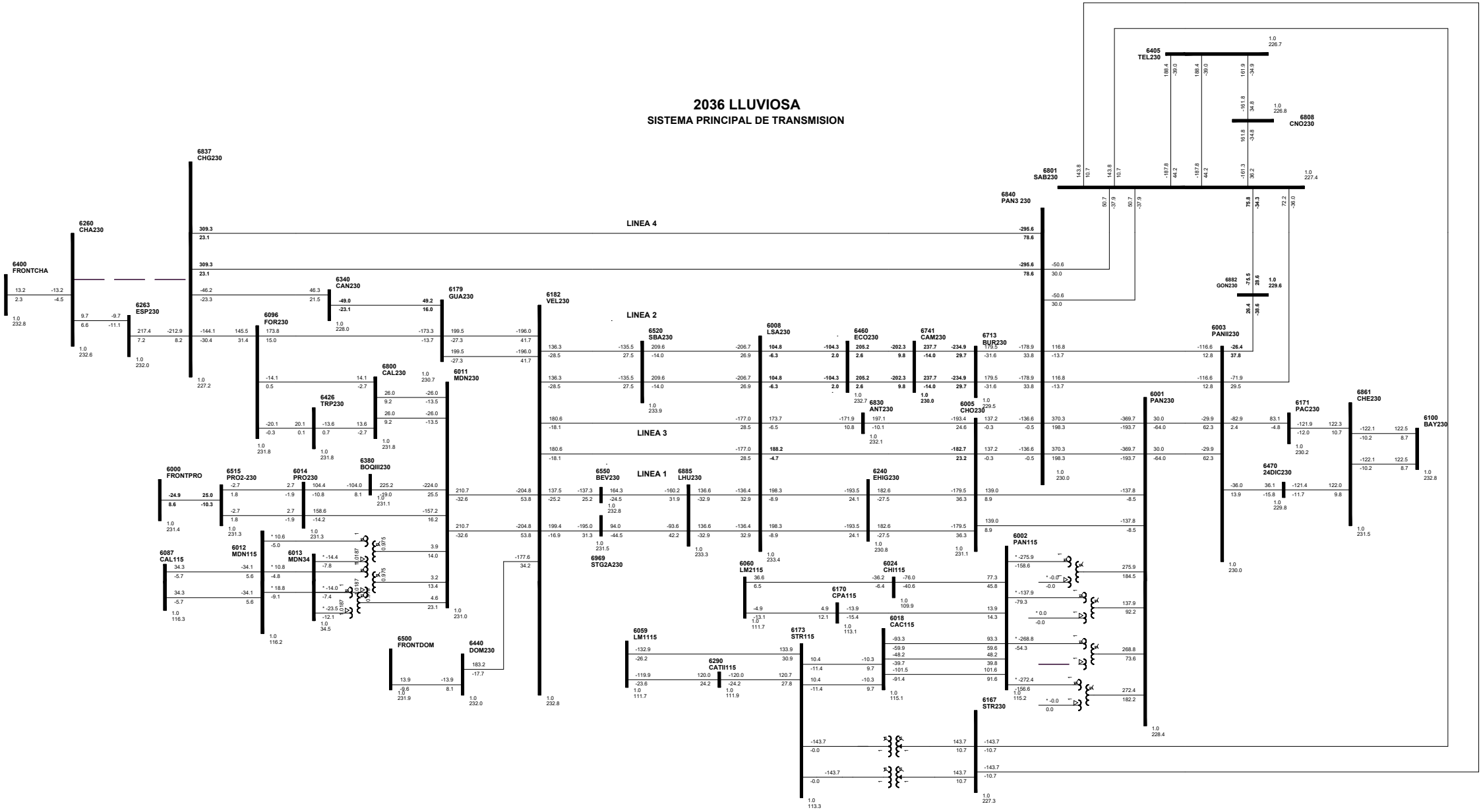
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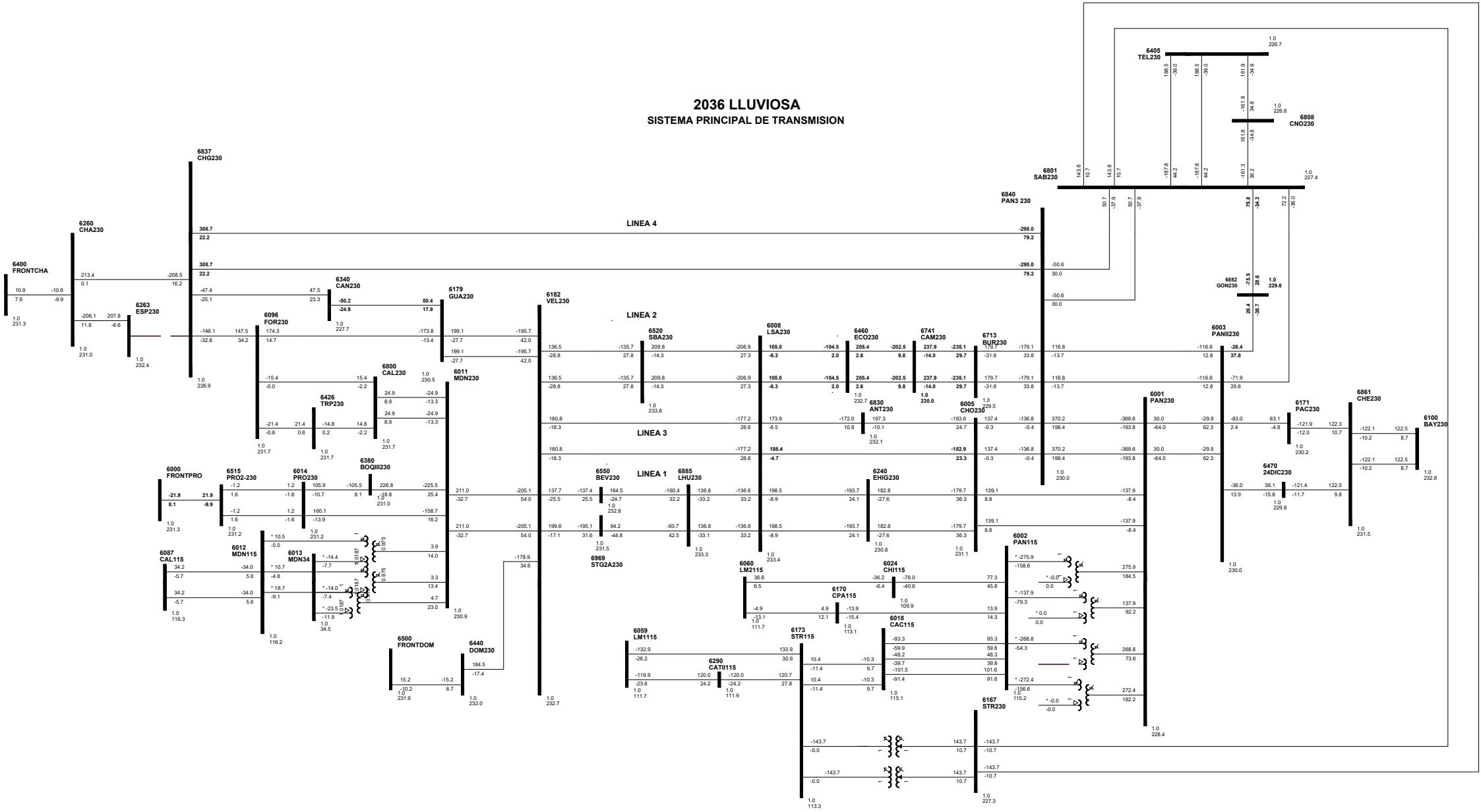
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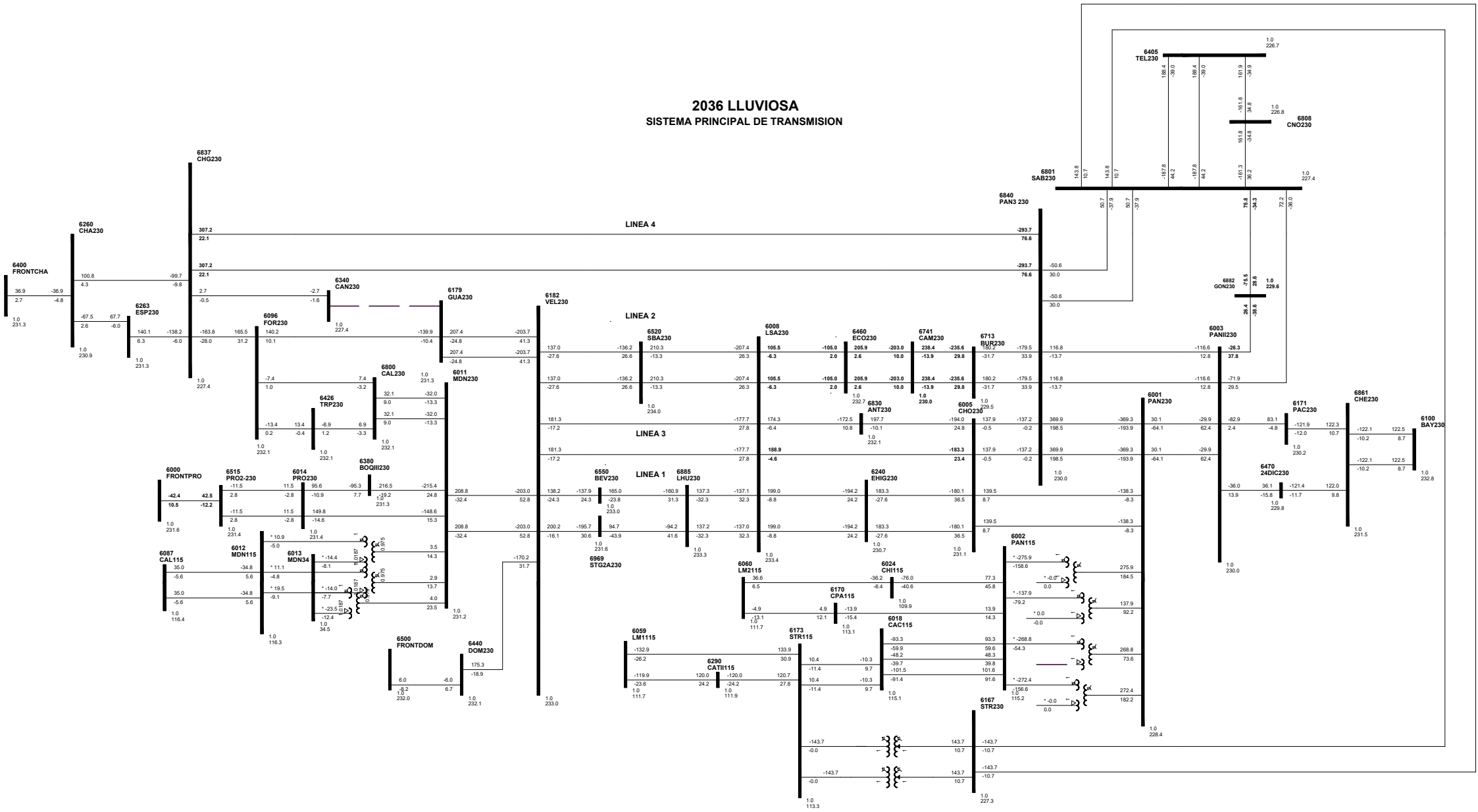
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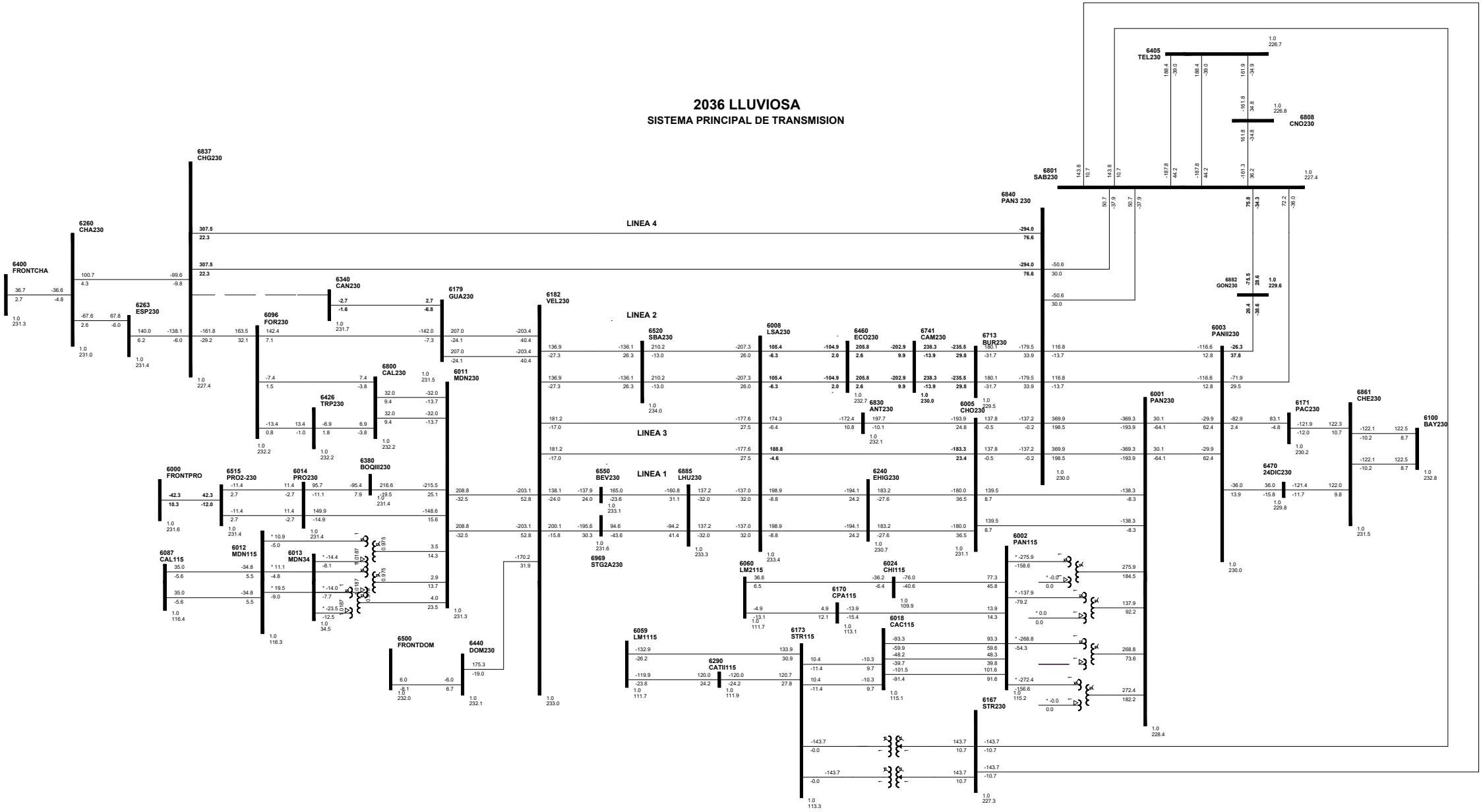
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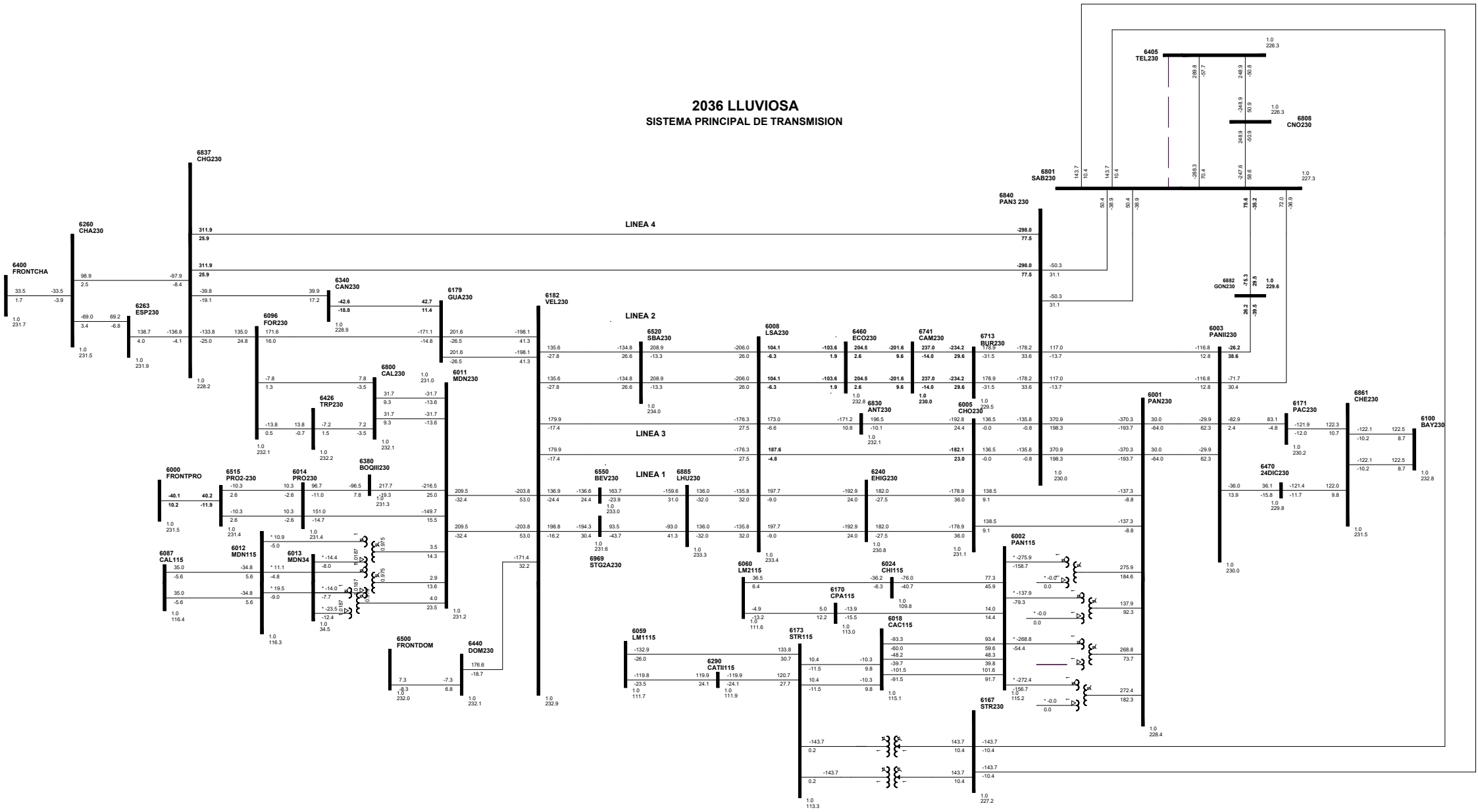
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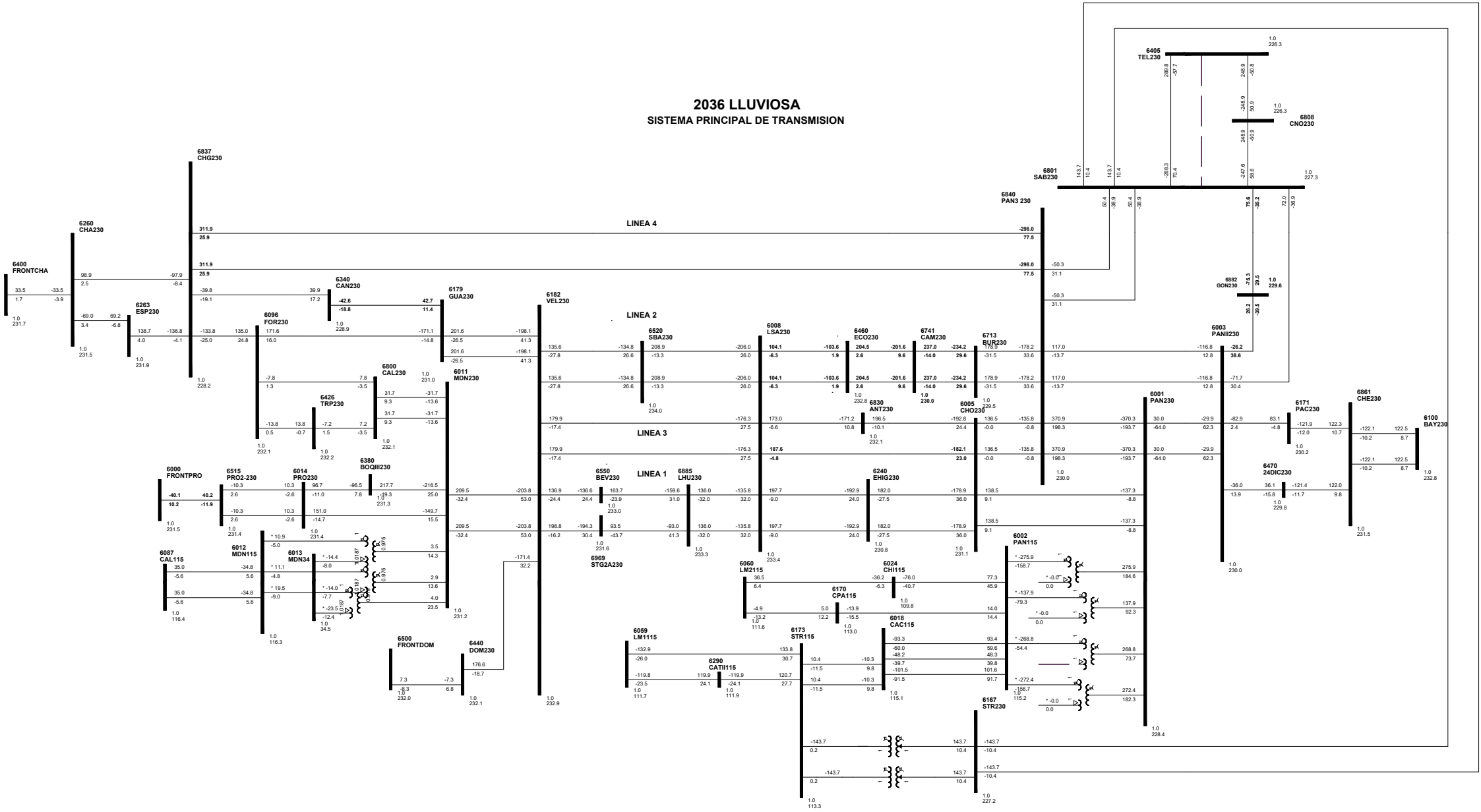
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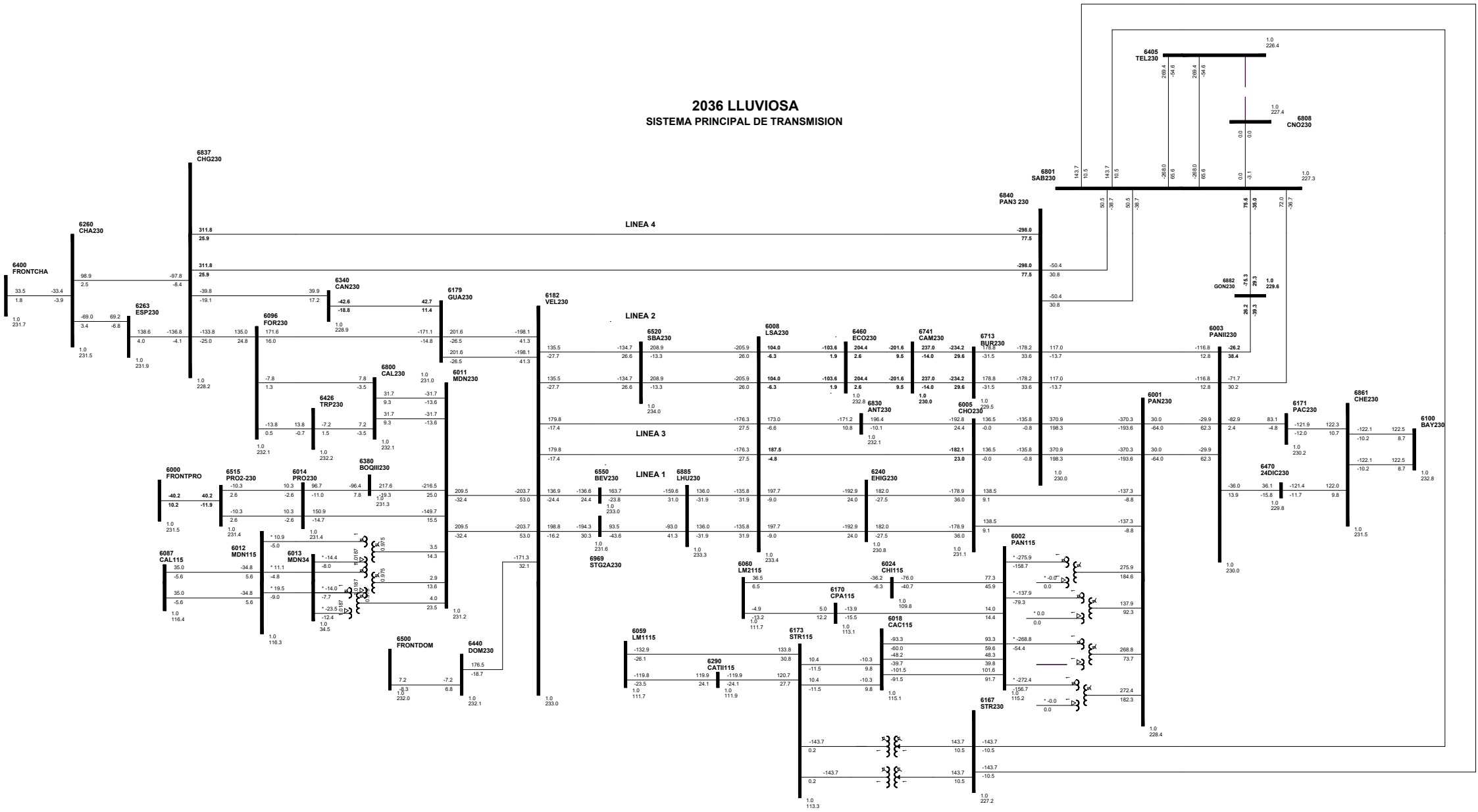
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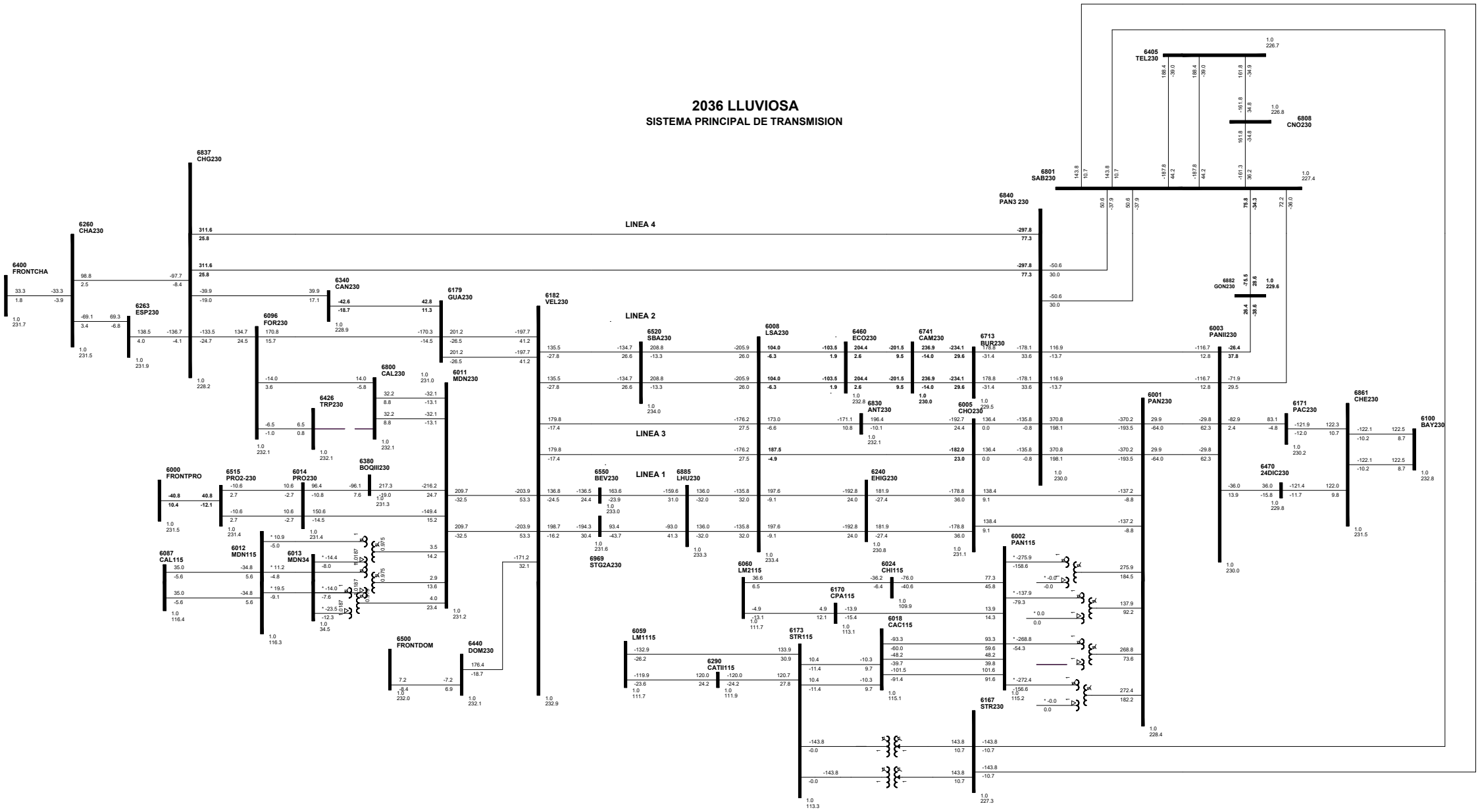
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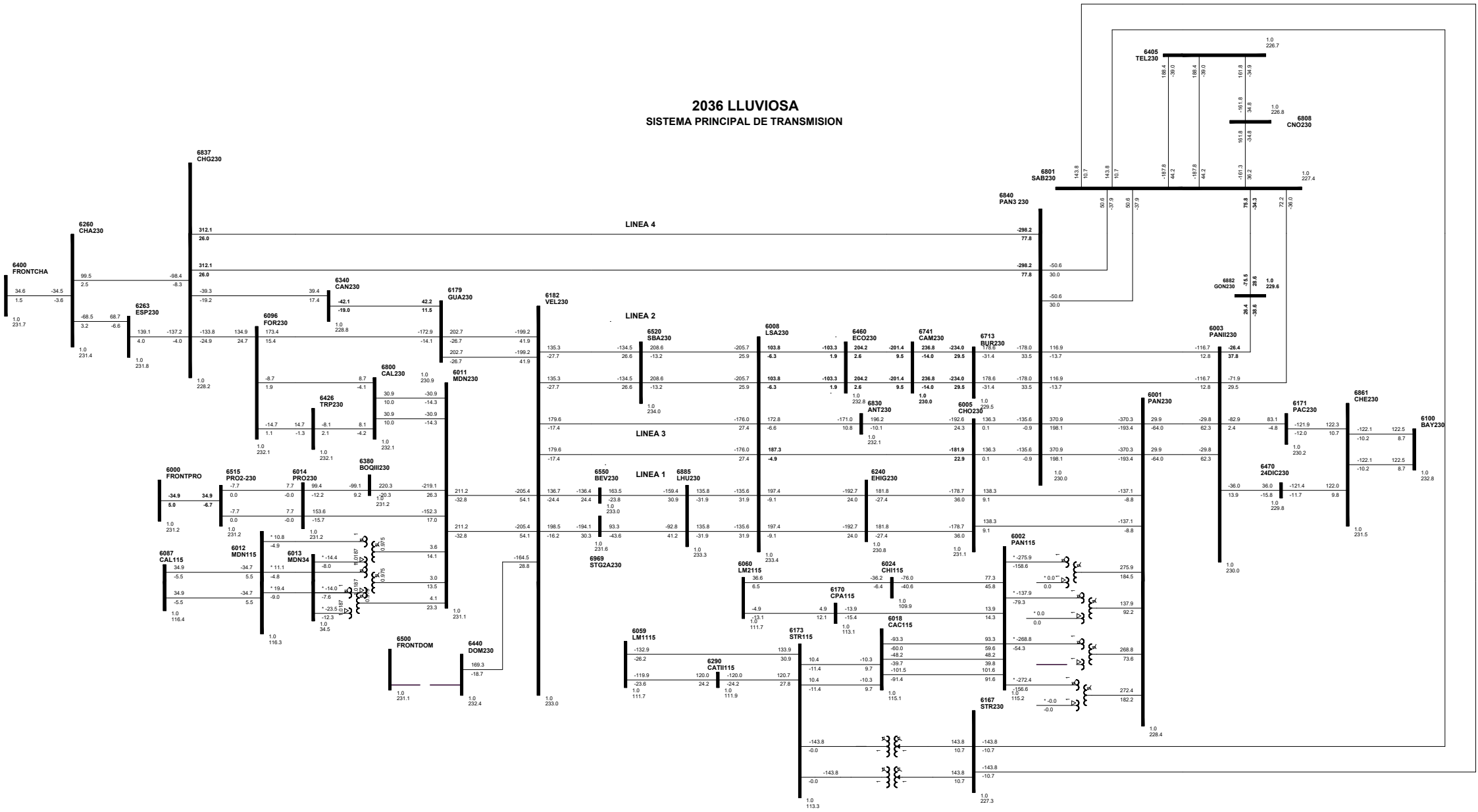
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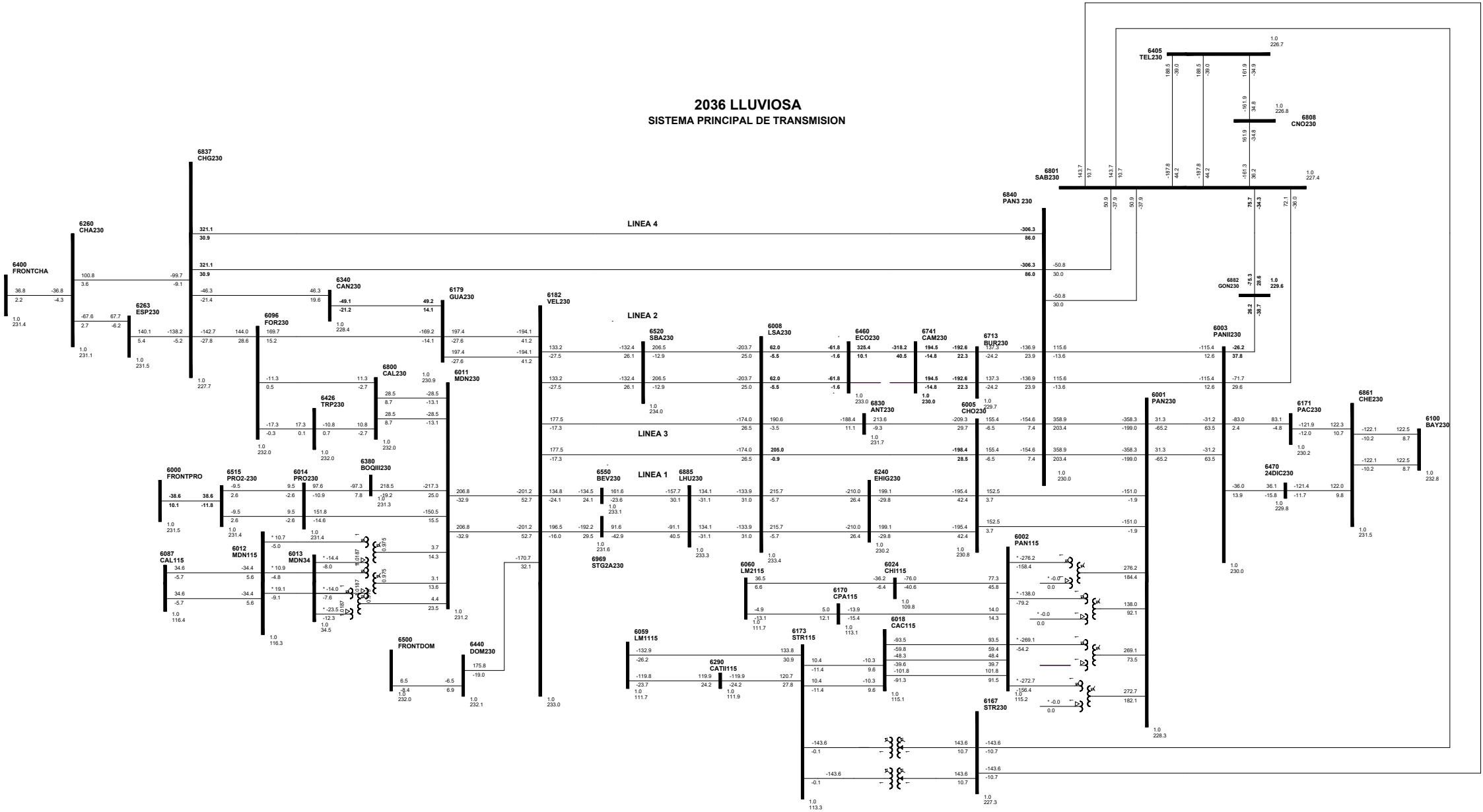
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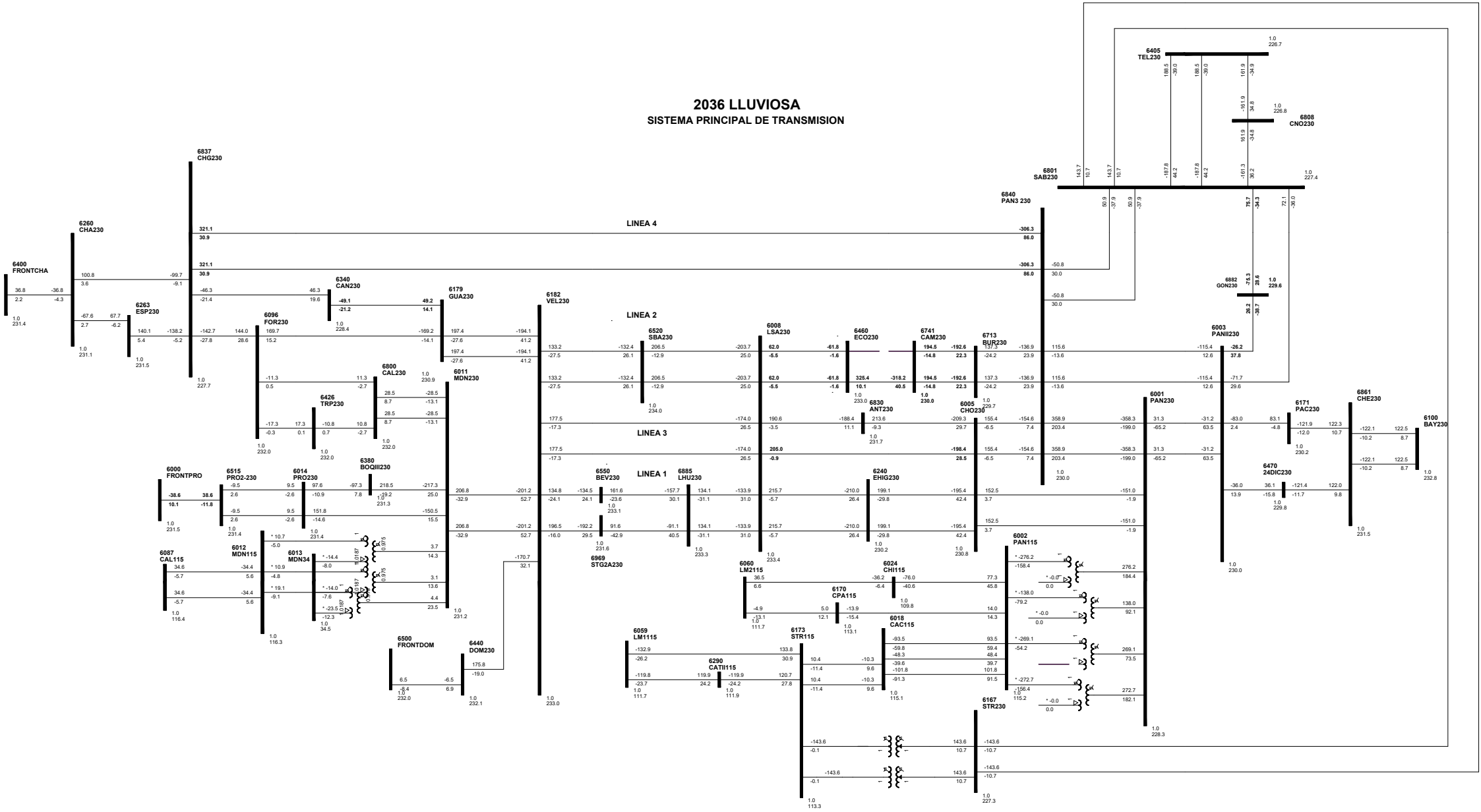
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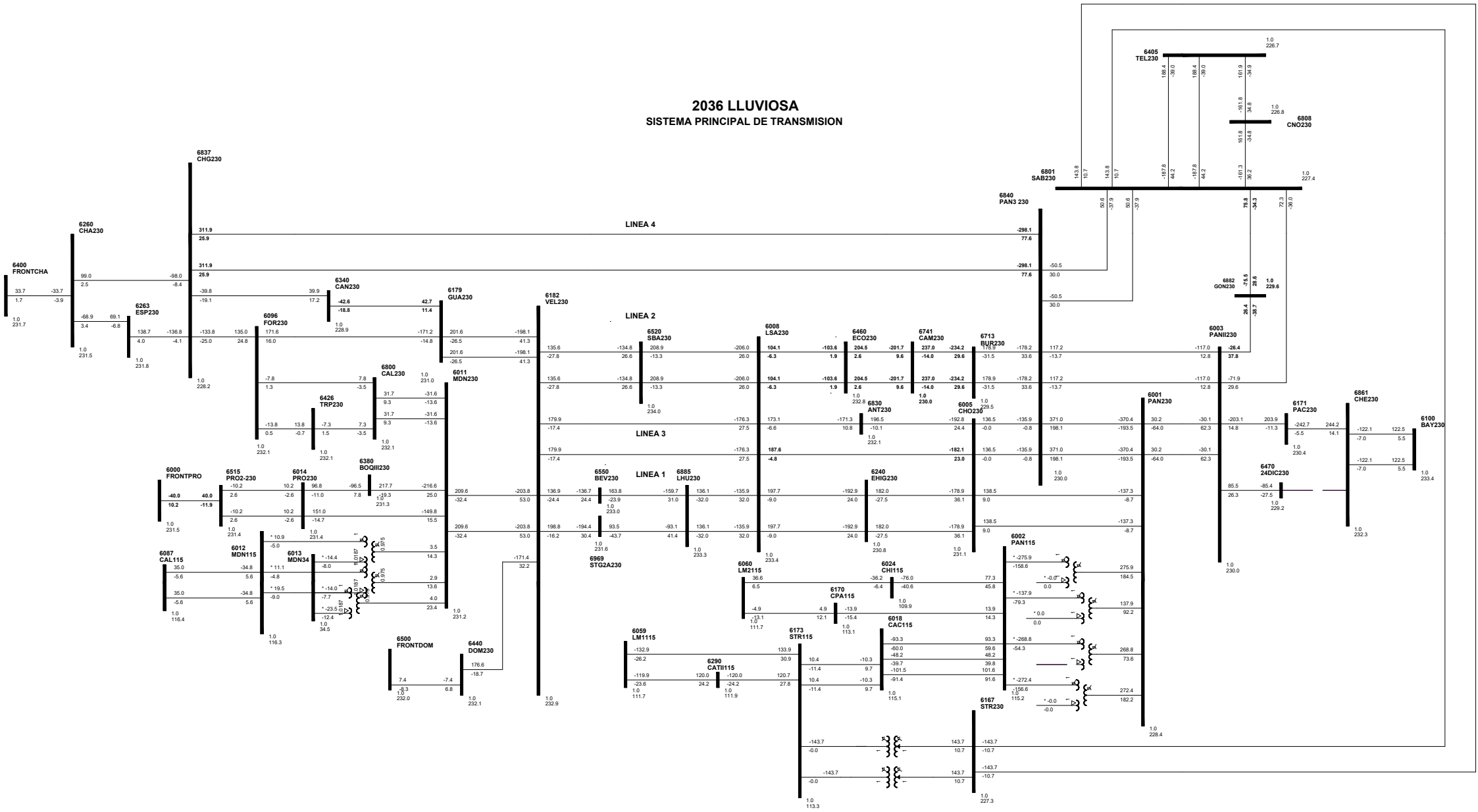
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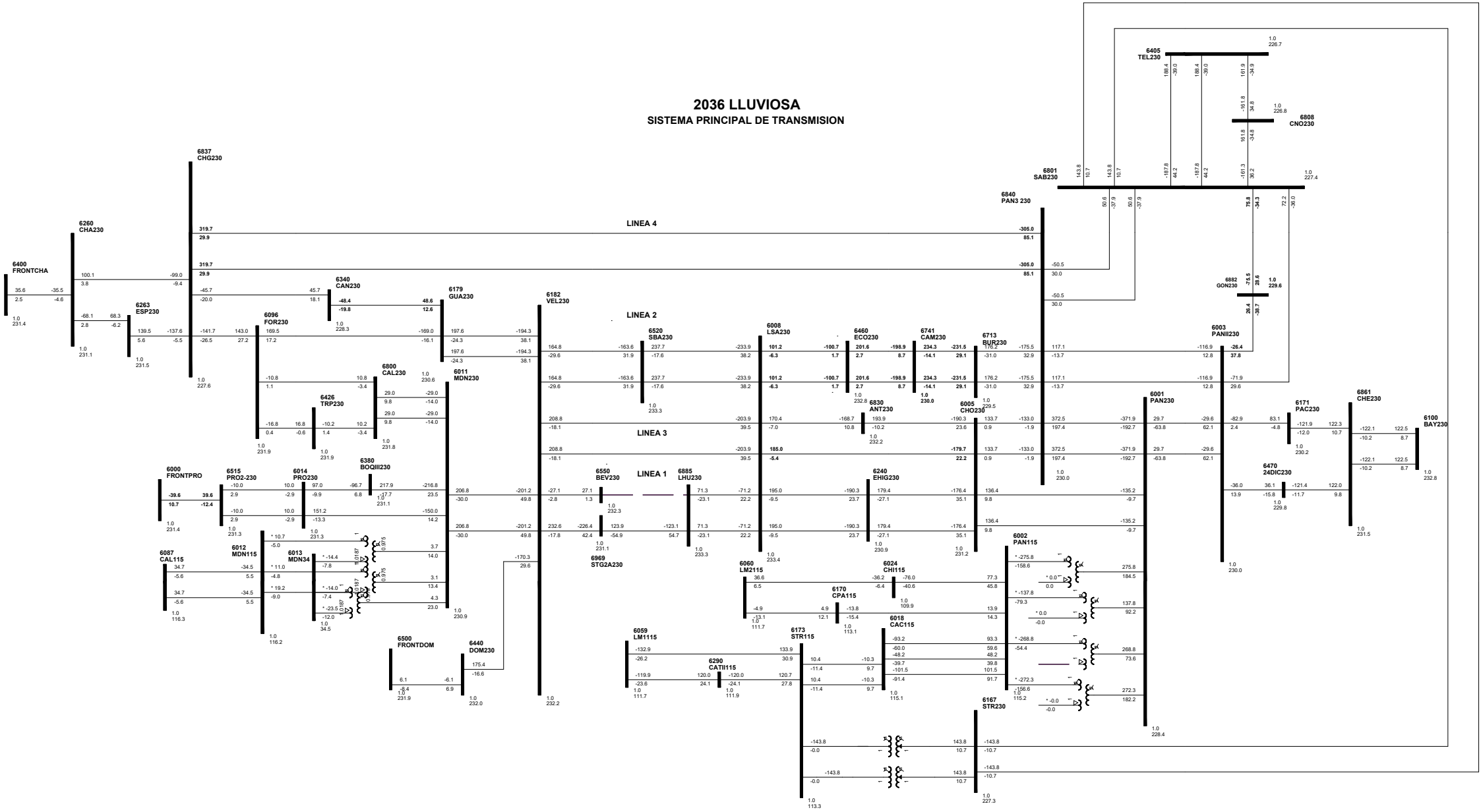
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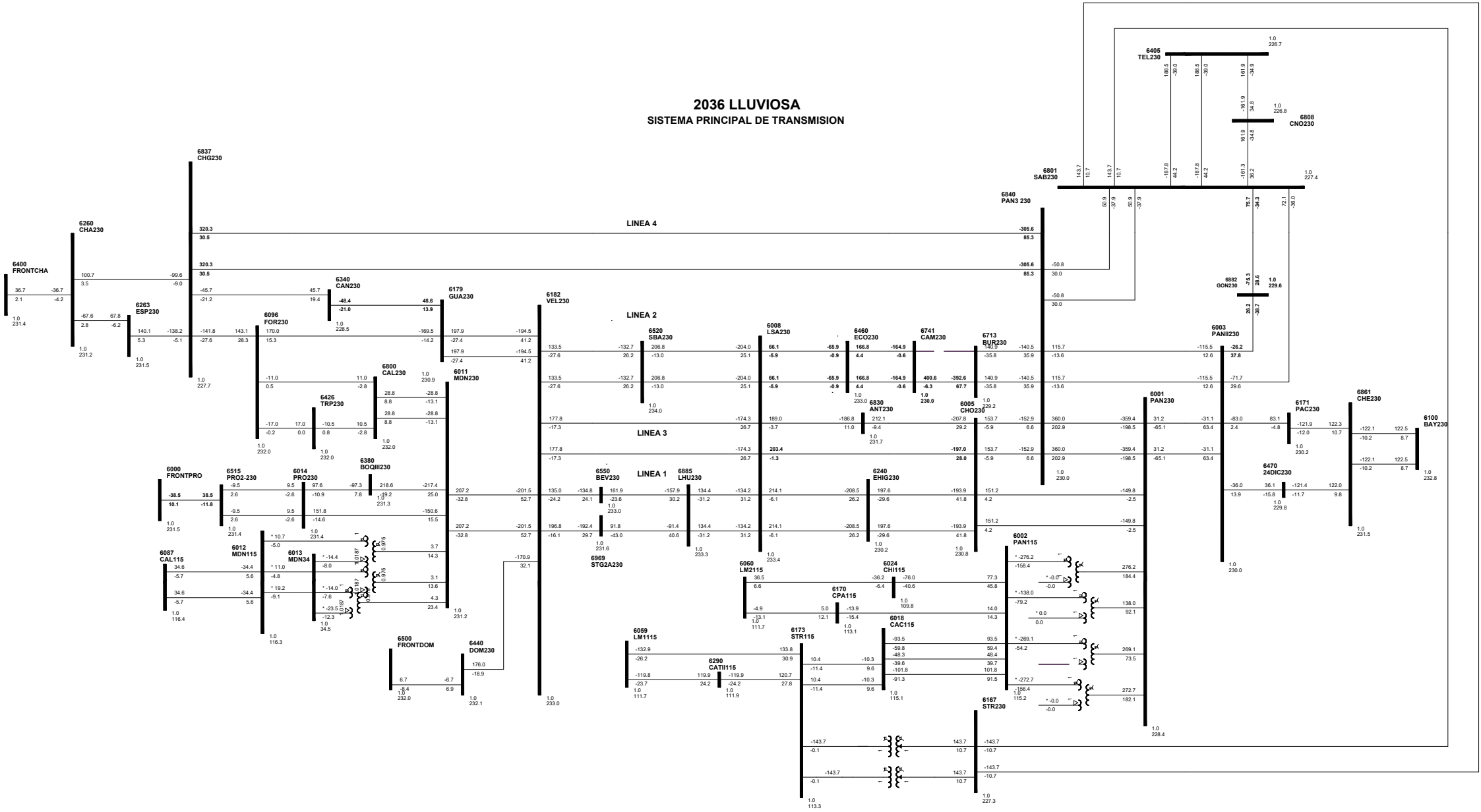
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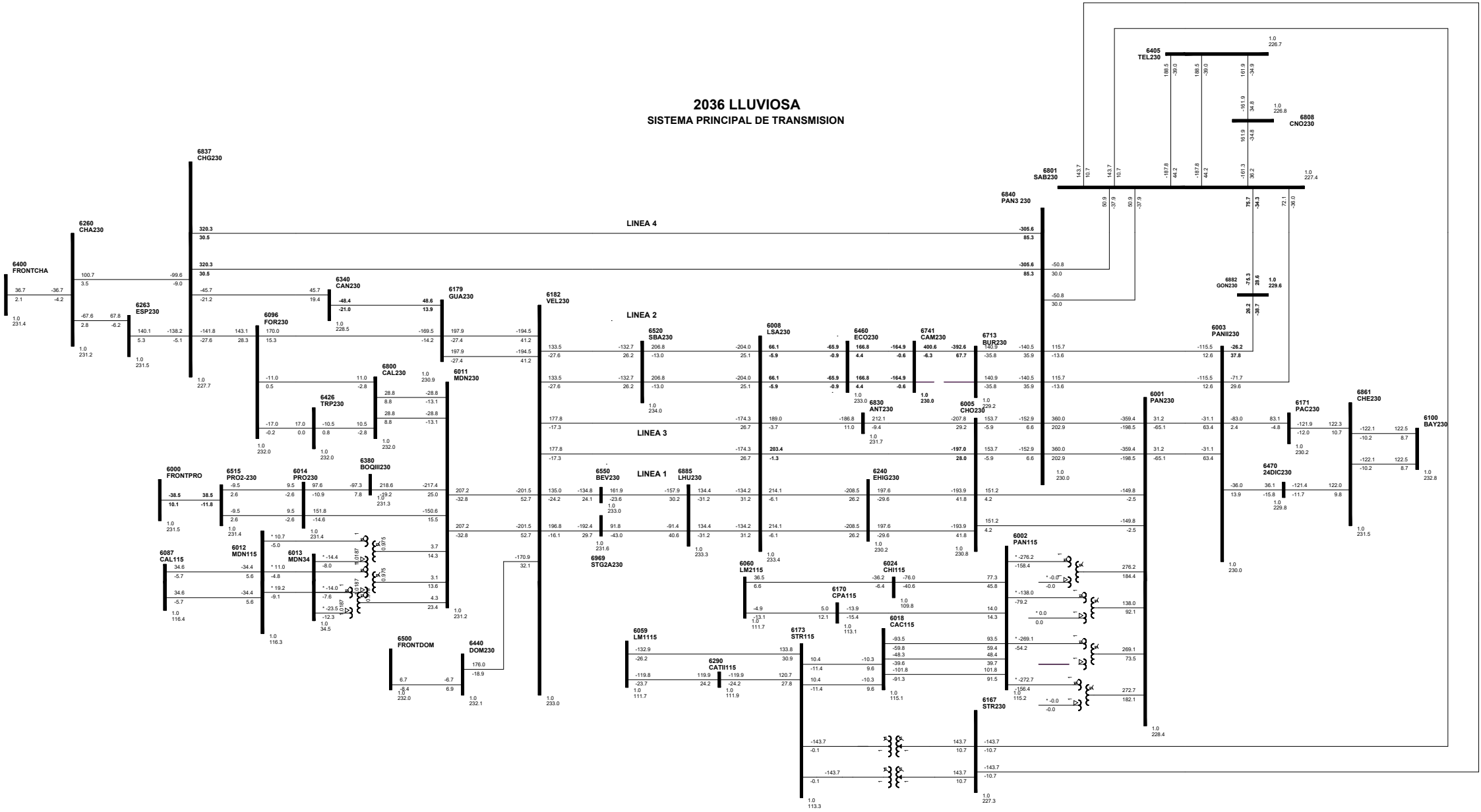
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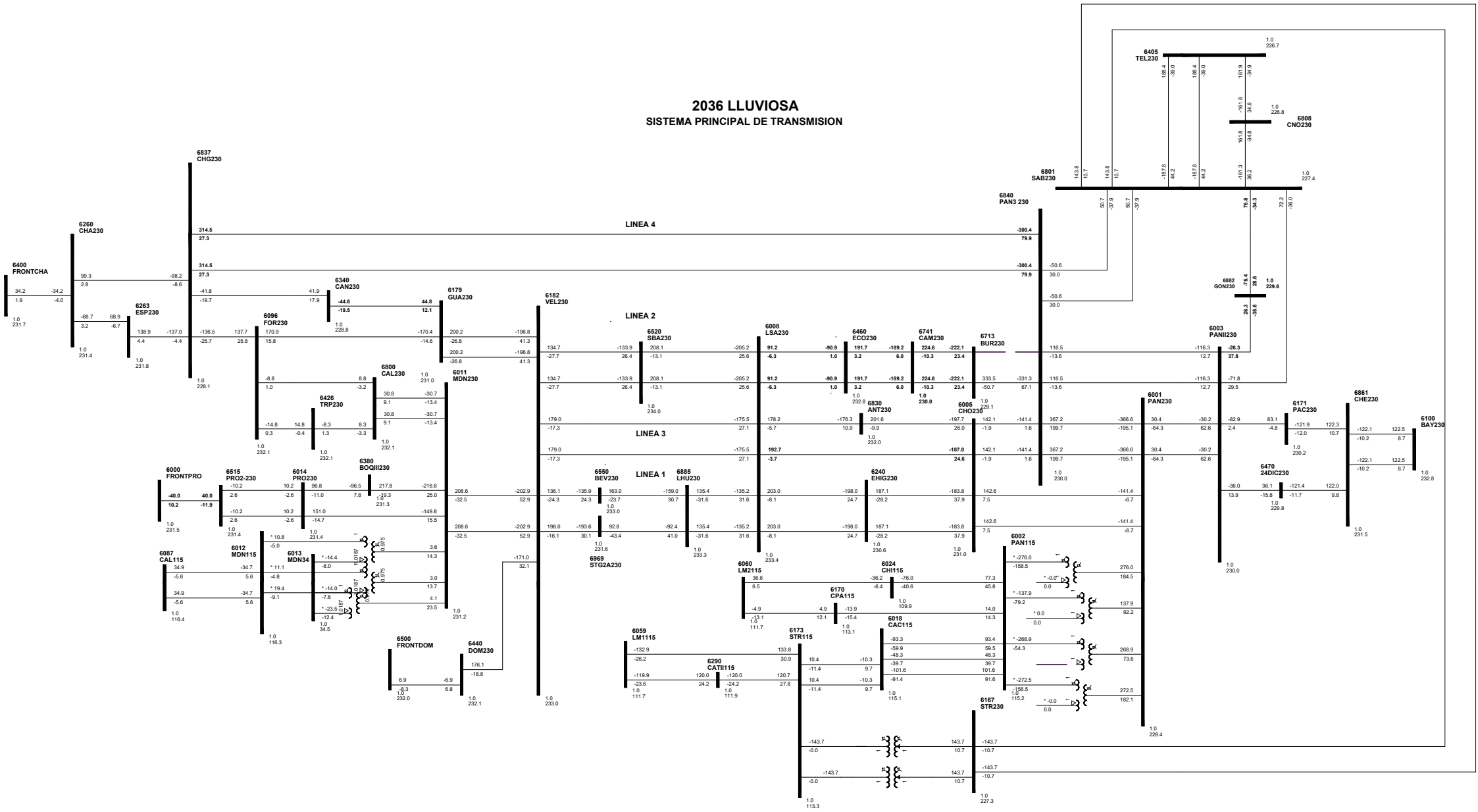
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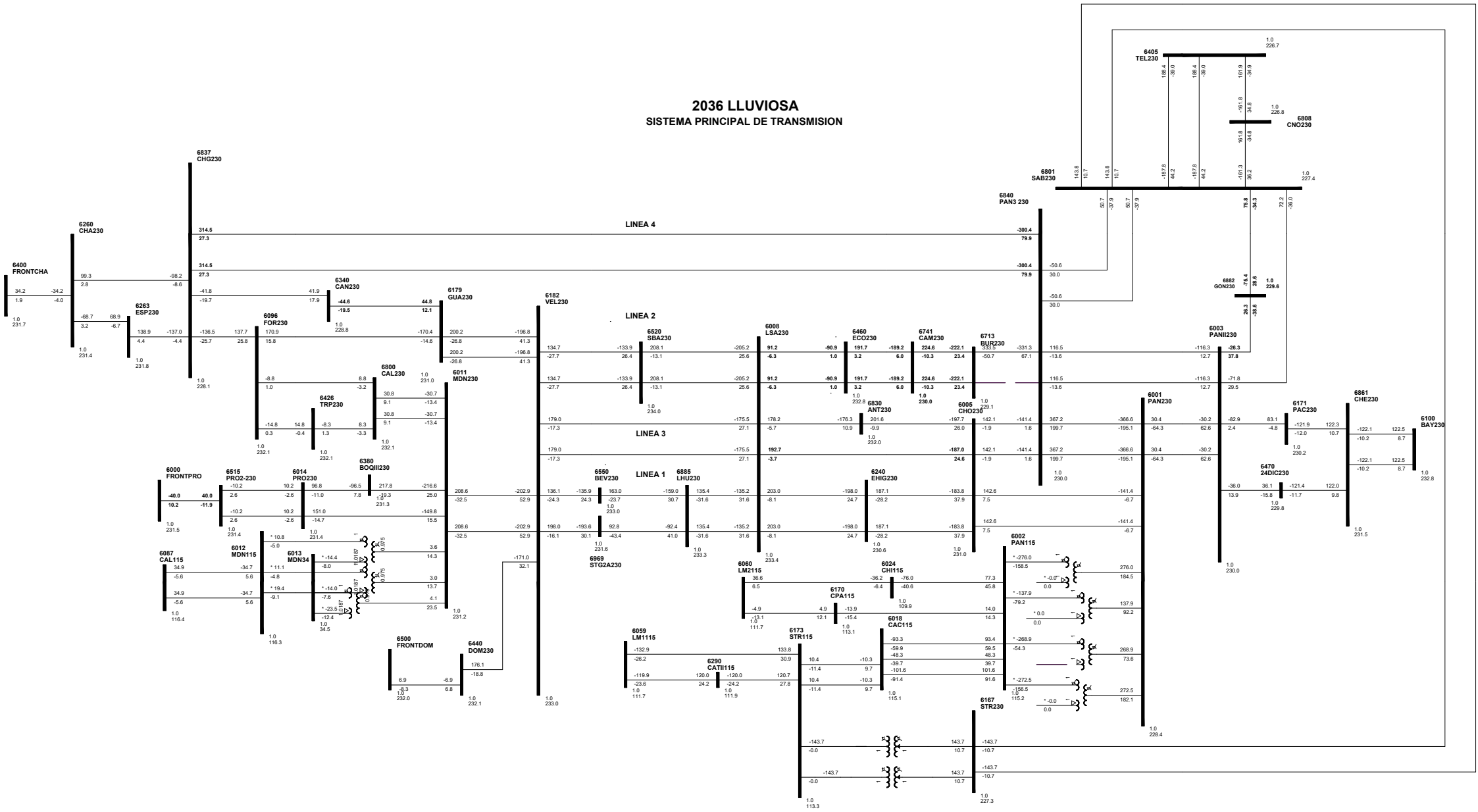
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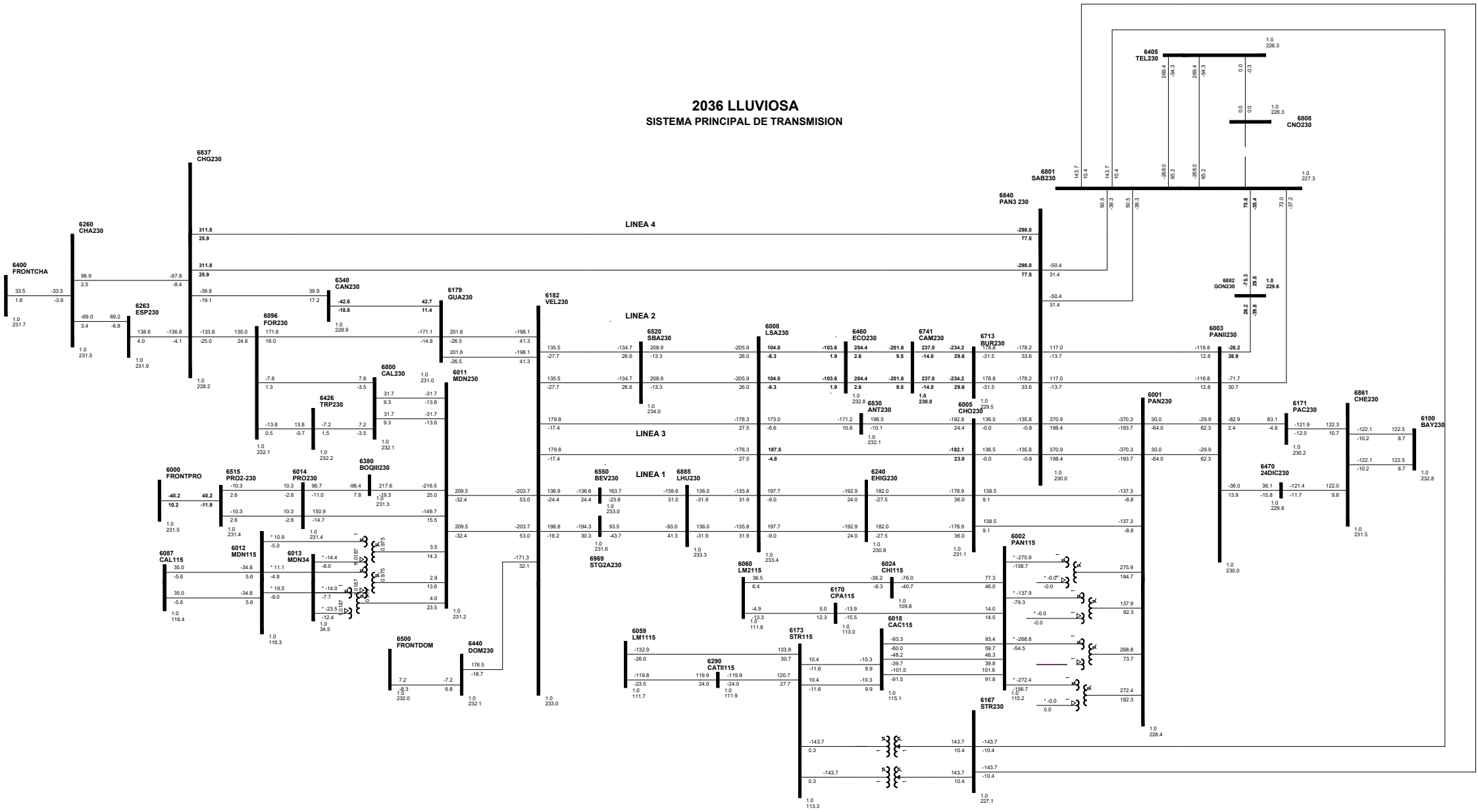
Contingencia 88



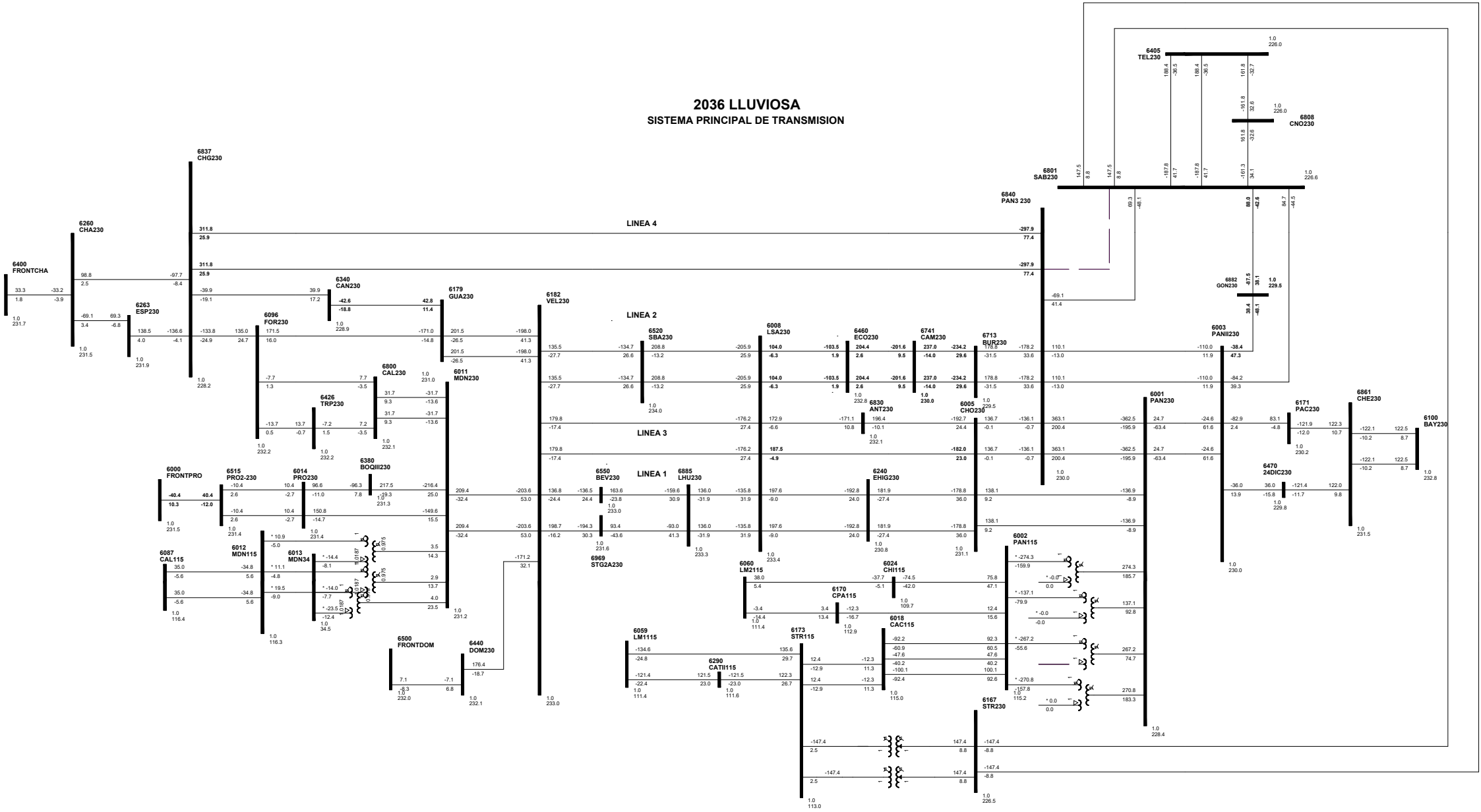
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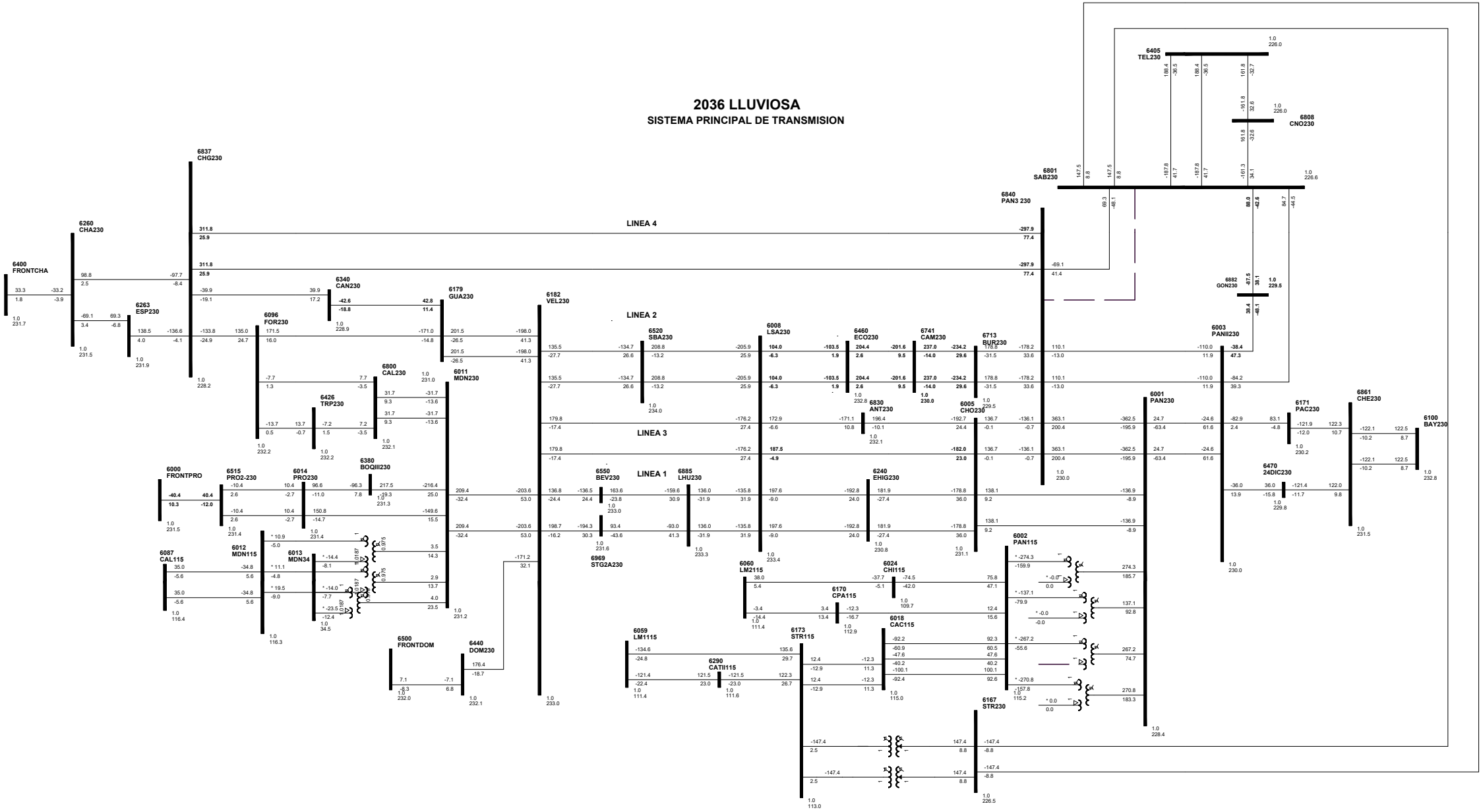
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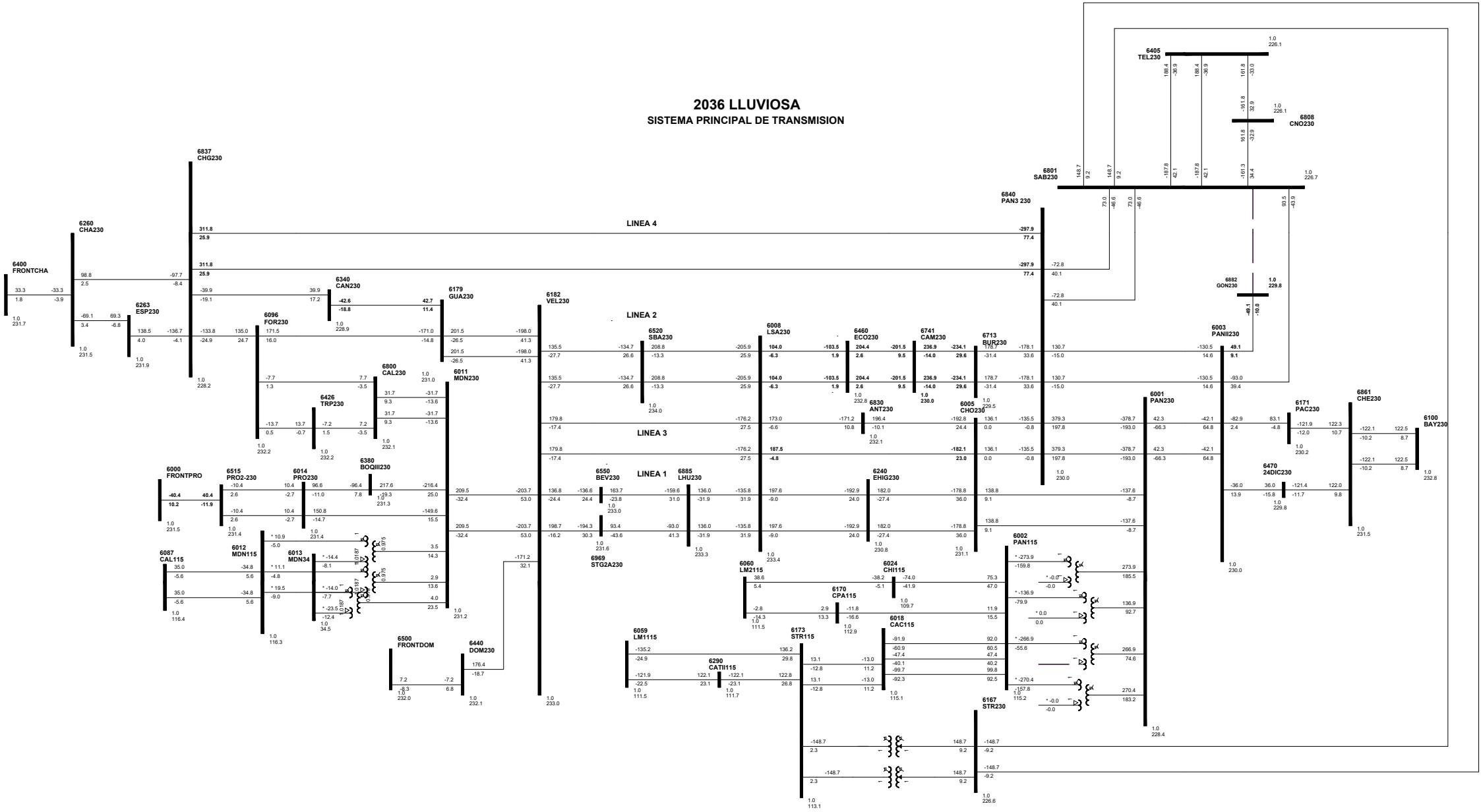
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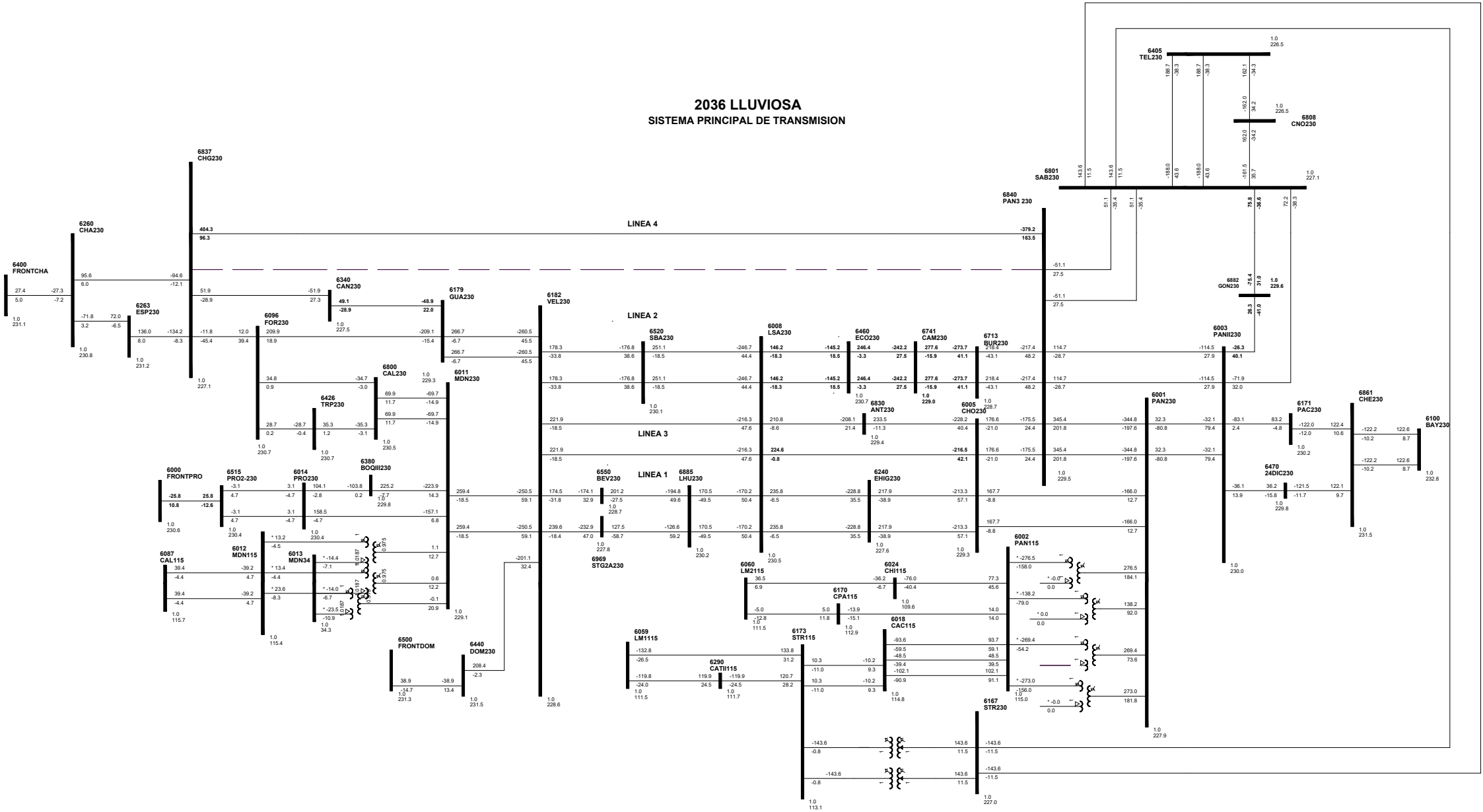
Contingencia 92



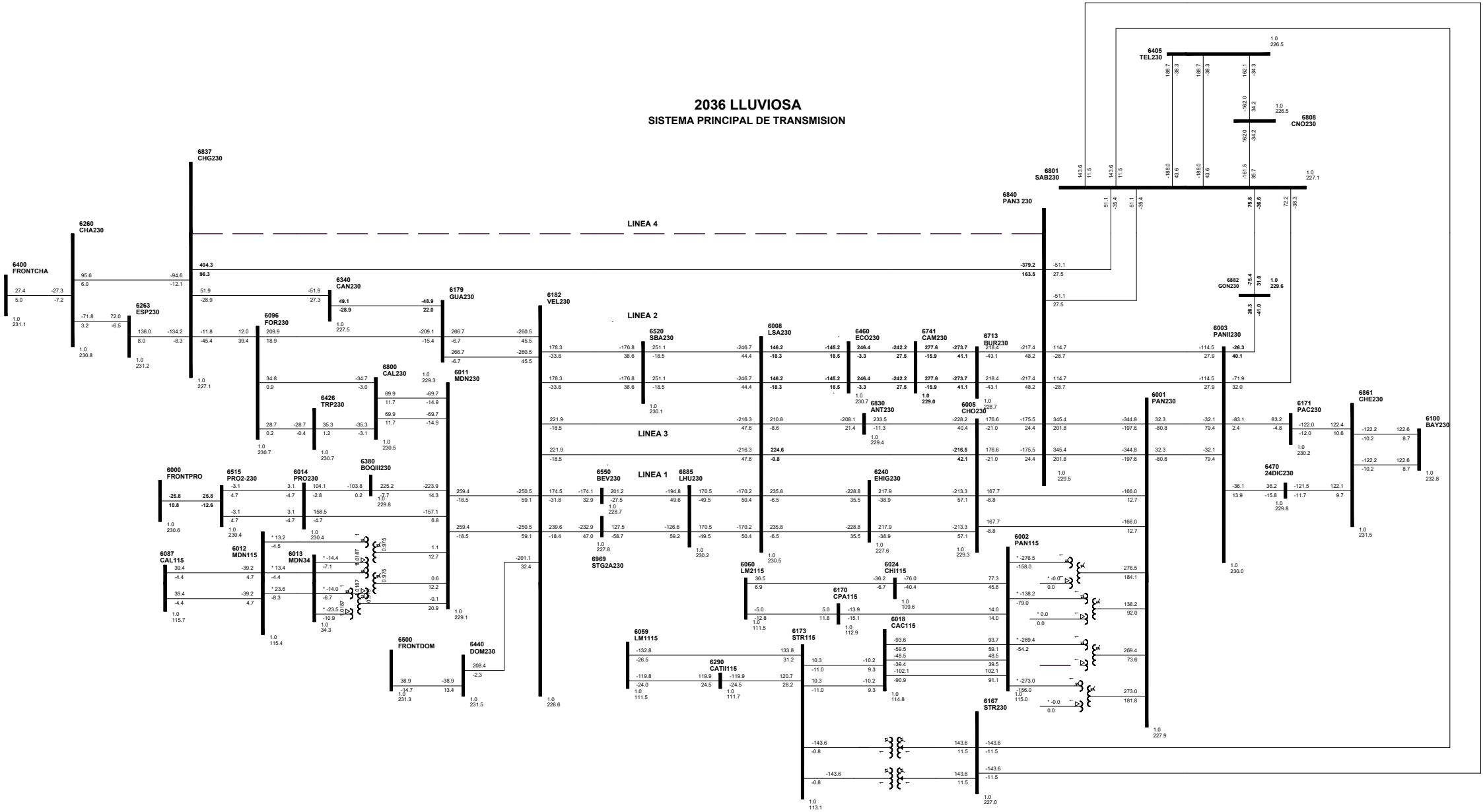
Contingencia 93



Contingencia 94



Contingencia 95



Contingencia 96

