SEAS8515_HW1_Doran

April 19, 2024

SEAS 8515 - Data Engineering for AI Project 1

A Very Brief Analysis of Public and Private Universities in the United States

[1]:
```
from pyspark.sql import SparkSession

# Create a Spark session
spark = SparkSession.builder \
    .appName("College Scorecard Analysis") \
    .getOrCreate()
```

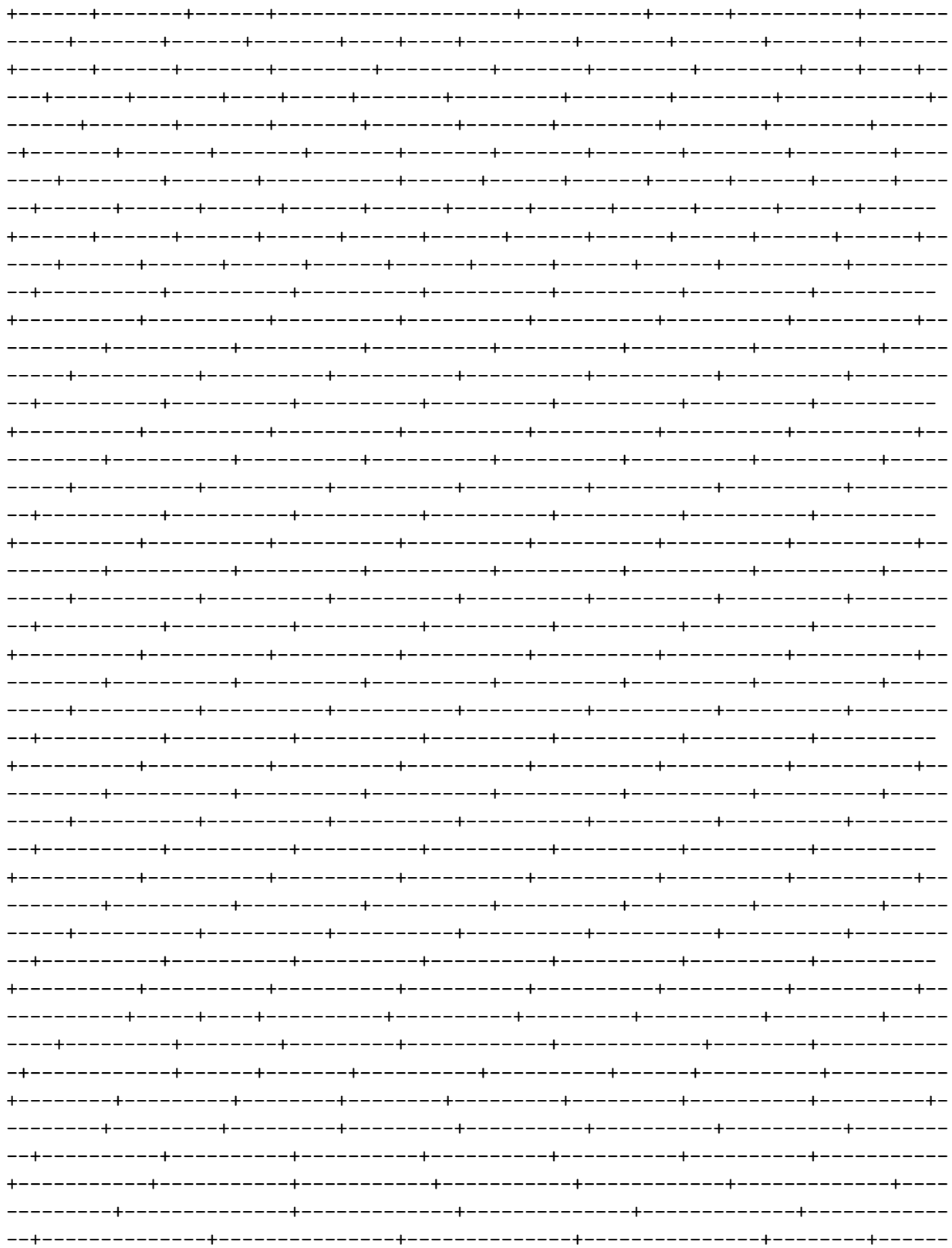
```
your 131072x1 screen size is bogus. expect trouble
24/04/19 17:18:30 WARN Utils: Your hostname, Computadora resolves to a loopback
address: 127.0.1.1; using 172.21.20.150 instead (on interface eth0)
24/04/19 17:18:30 WARN Utils: Set SPARK_LOCAL_IP if you need to bind to another
address
Setting default log level to "WARN".
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use
setLogLevel(newLevel).
24/04/19 17:18:32 WARN NativeCodeLoader: Unable to load native-hadoop library
for your platform… using builtin-java classes where applicable
```

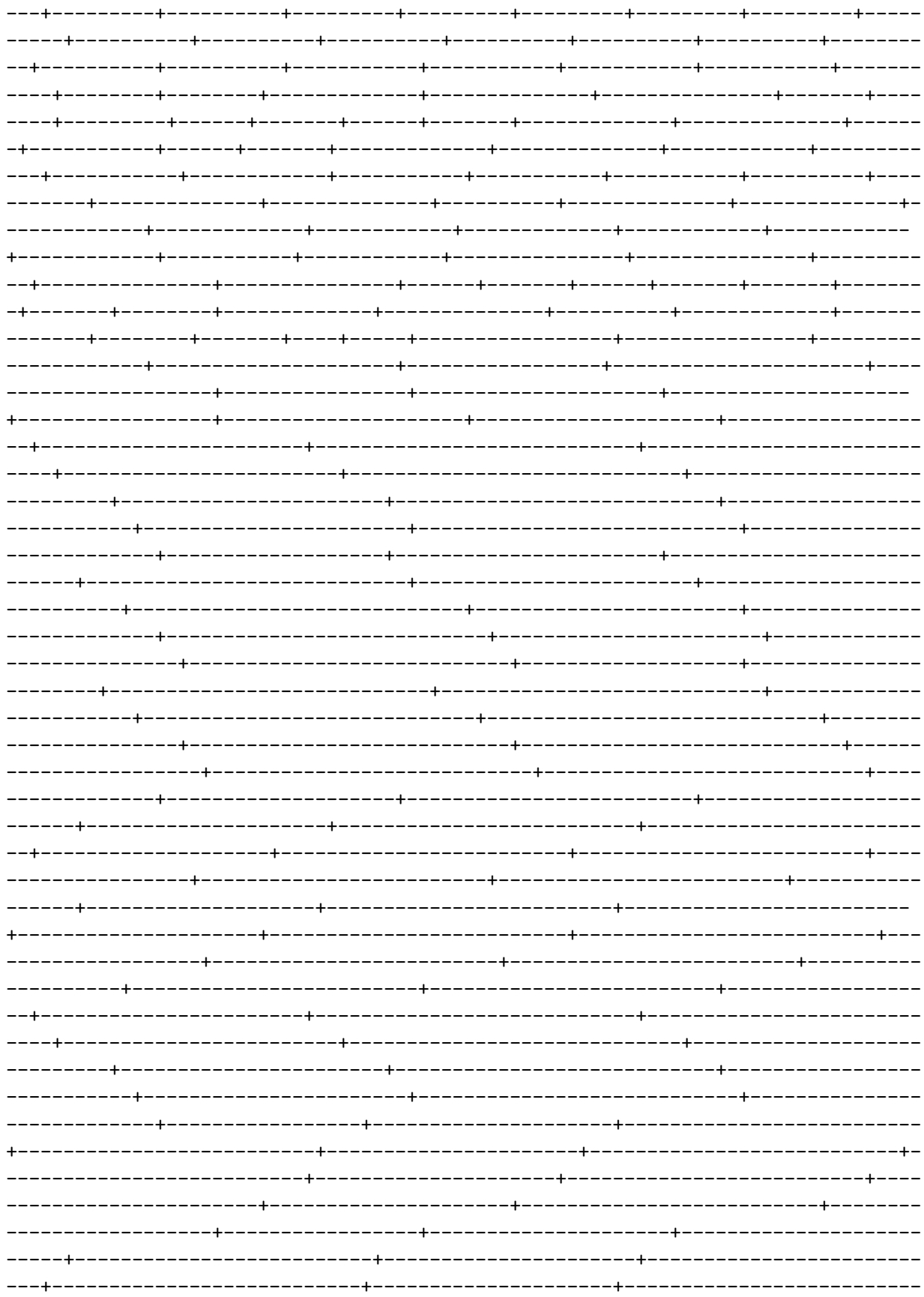
[2]:
```
# Path to CSV file
csv_file_path = "MERGED2013_14_PP.csv"

# Load the CSV into a DataFrame
df = spark.read.csv(csv_file_path, header=True, inferSchema=True)
```

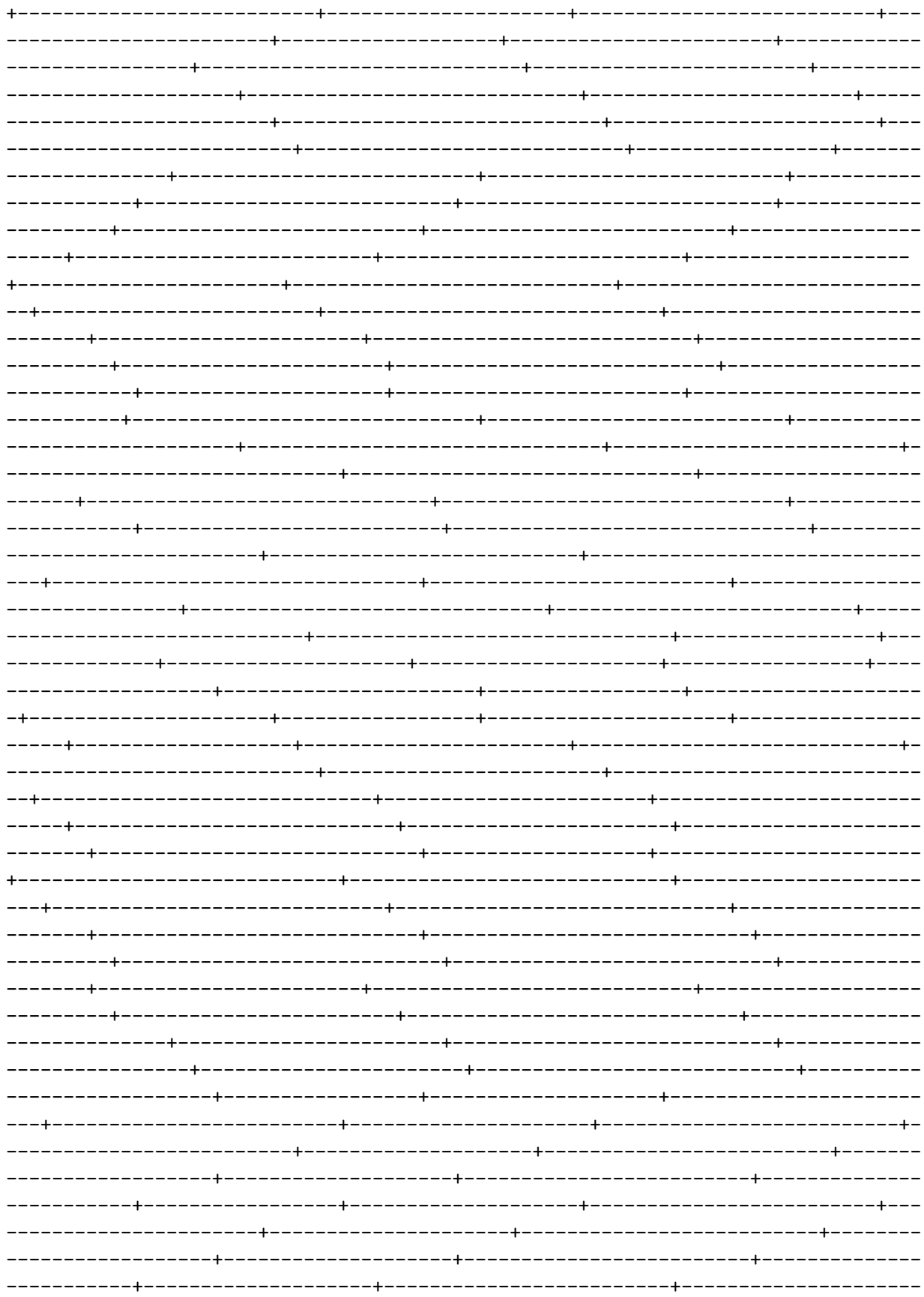
[3]:
```
# Show the first few rows of the DataFrame
df.show(5)

# Print the schema of the DataFrame
df.printSchema()
```

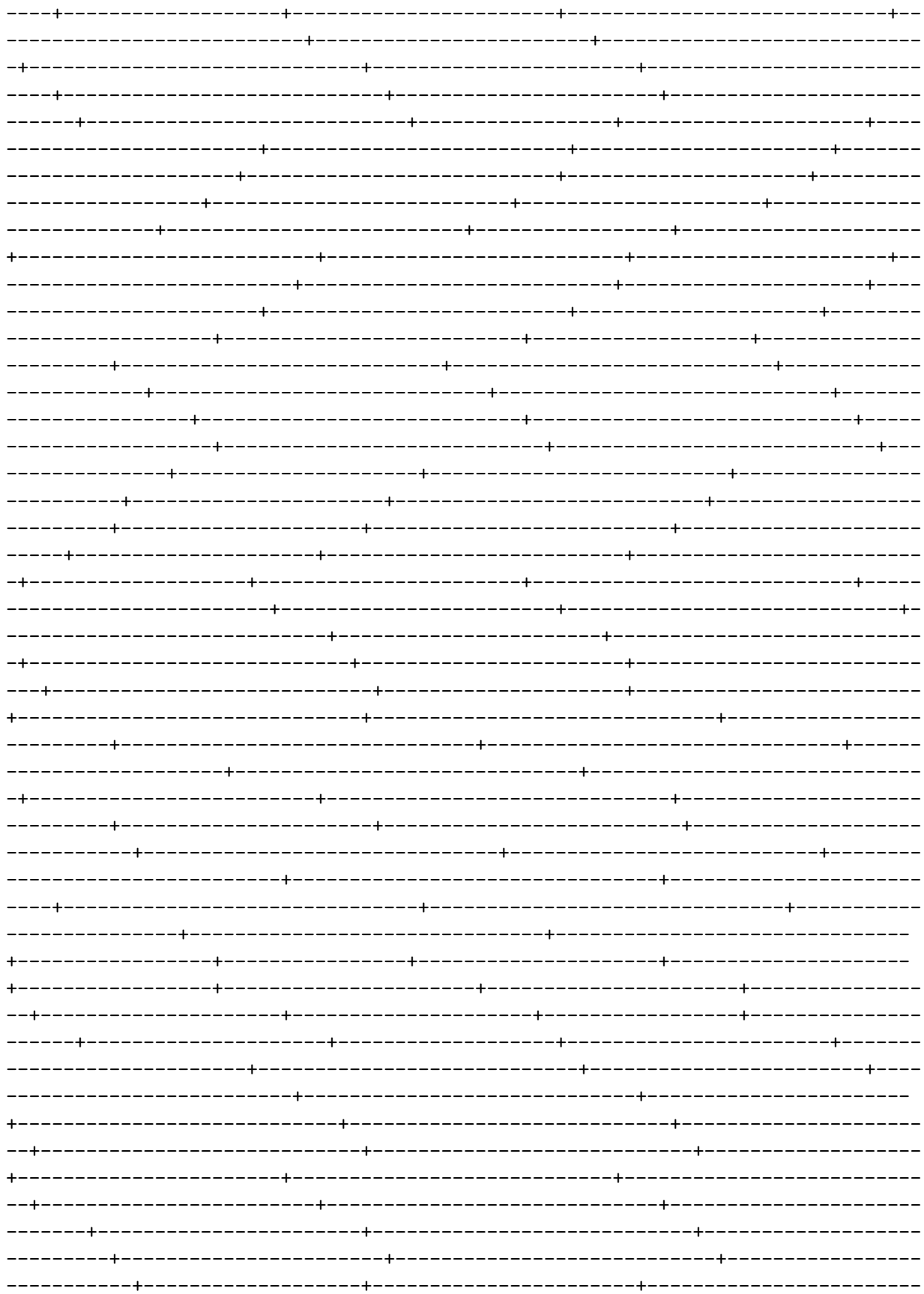
```
24/04/19 17:18:39 WARN SparkStringUtils: Truncated the string representation of
a plan since it was too large. This behavior can be adjusted by setting
'spark.sql.debug.maxToStringFields'.
```

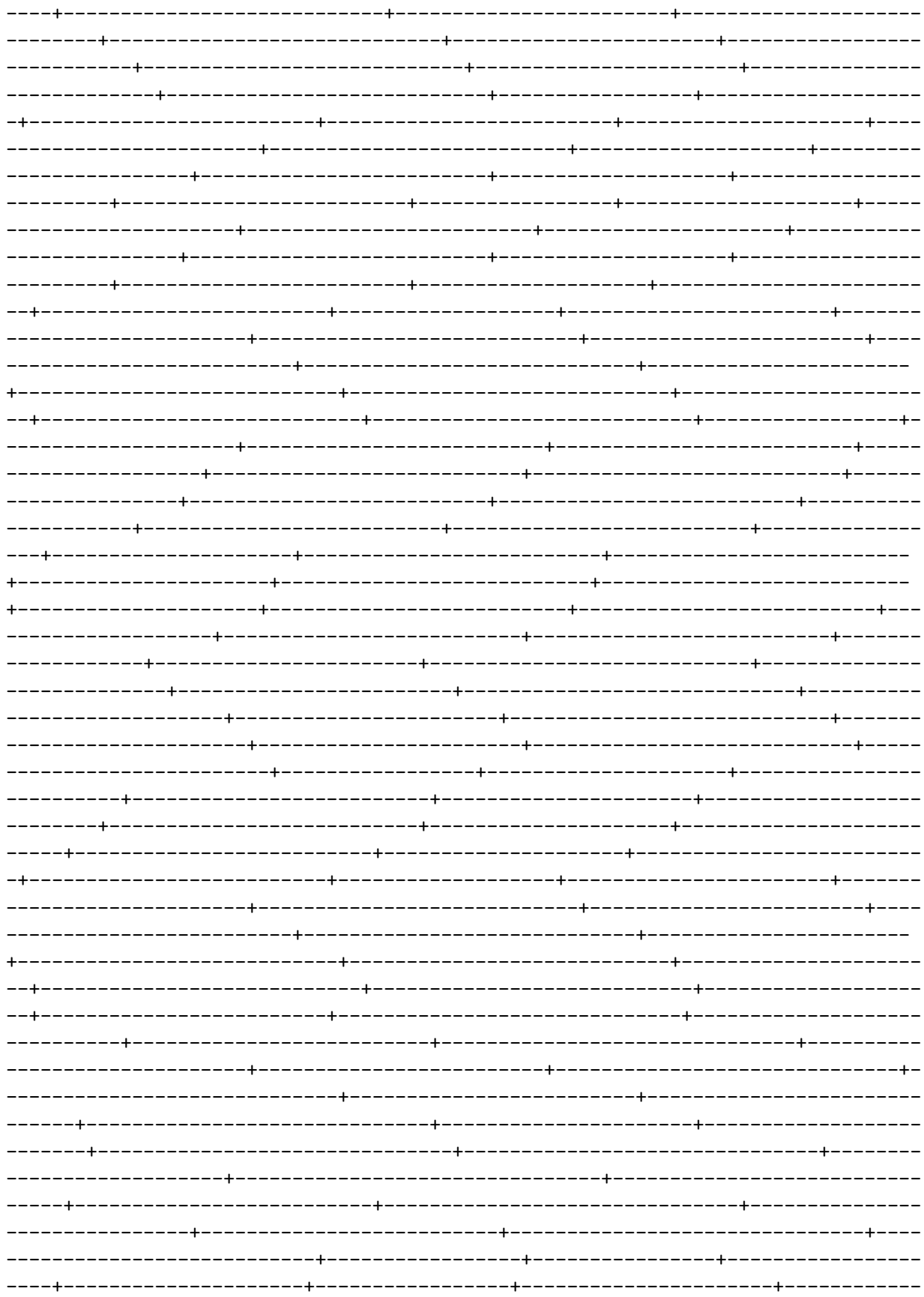
```
24/04/19 17:18:39 WARN DAGScheduler: Broadcasting large task binary with size
1153.8 KiB
```

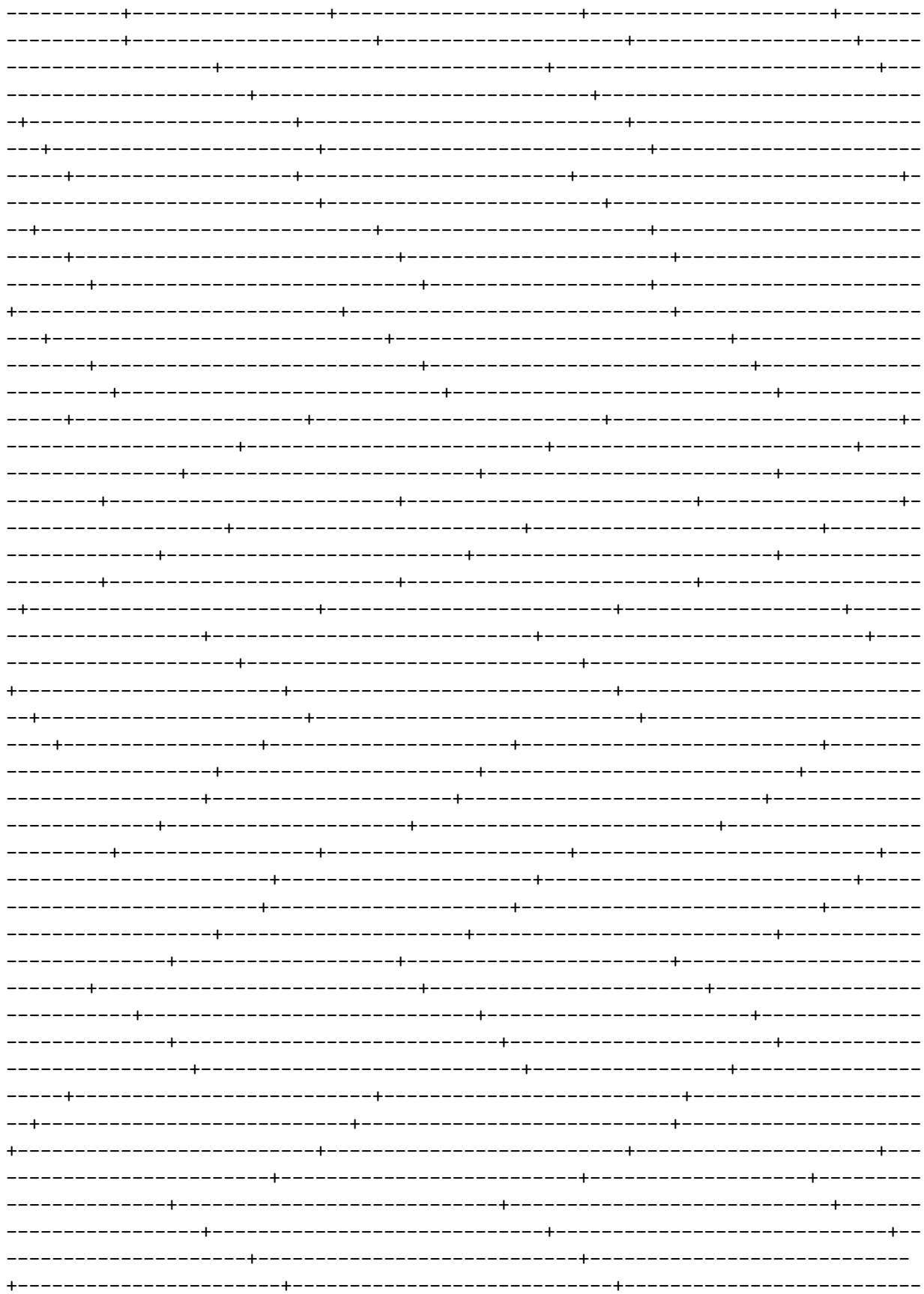


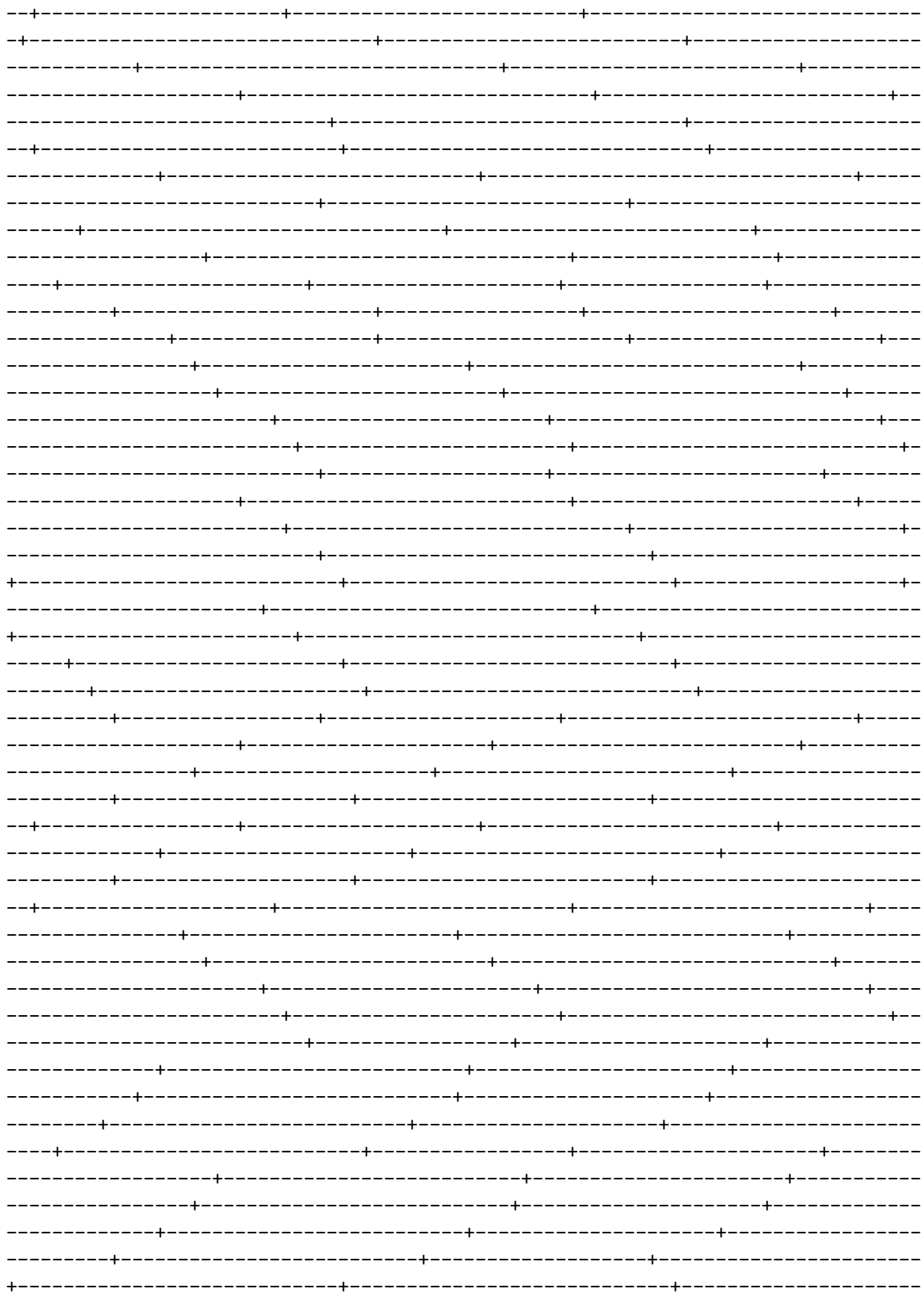


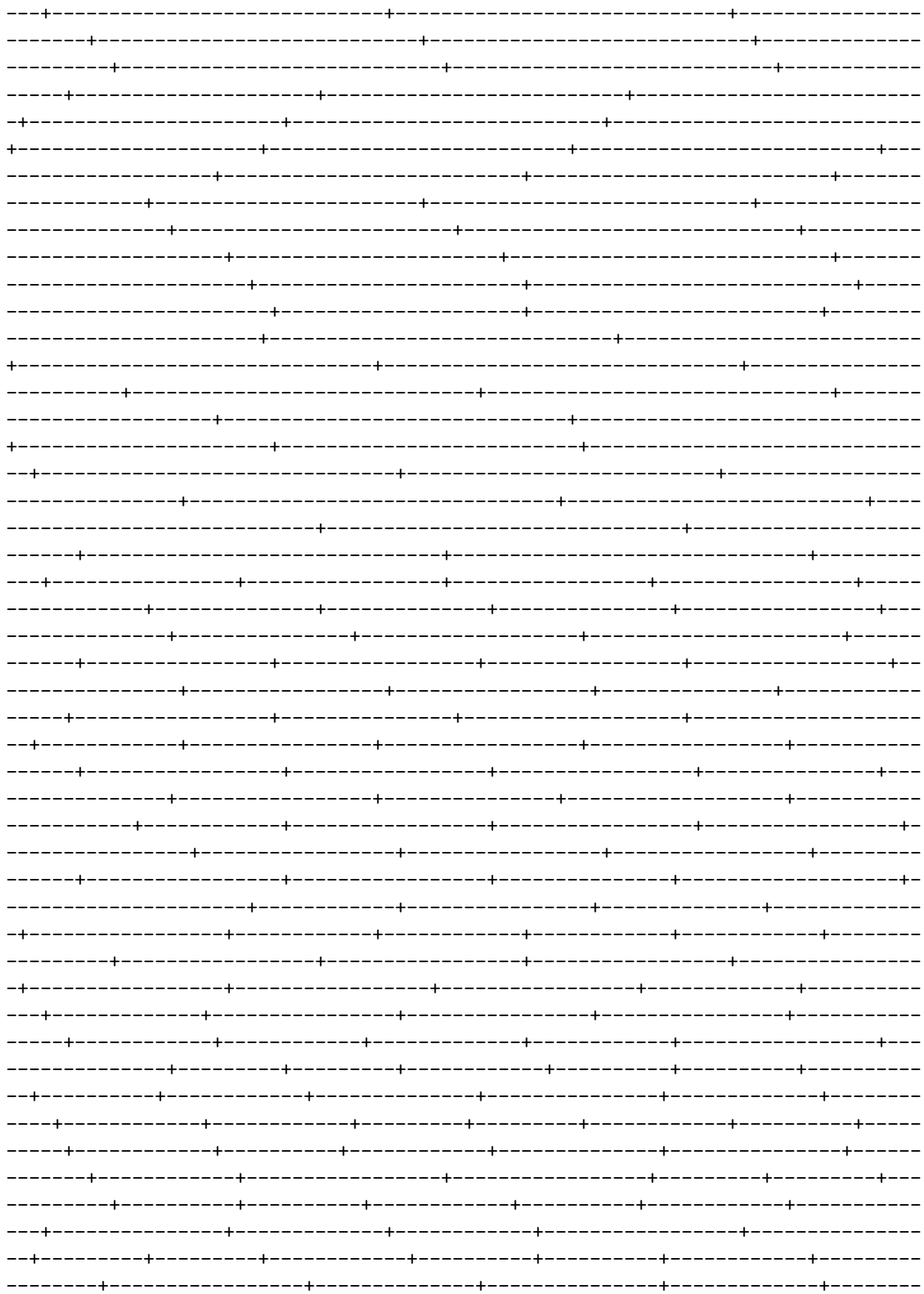


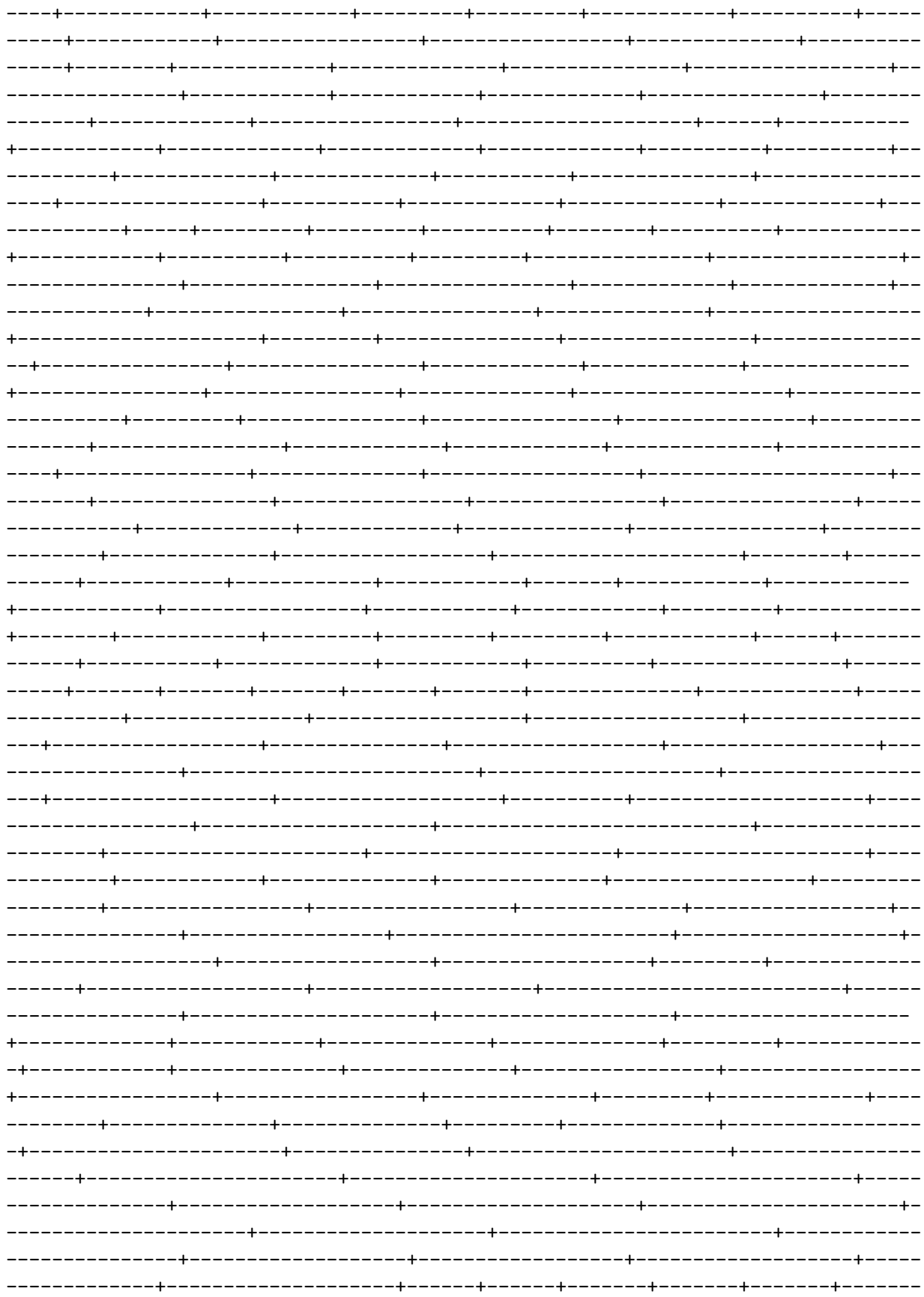


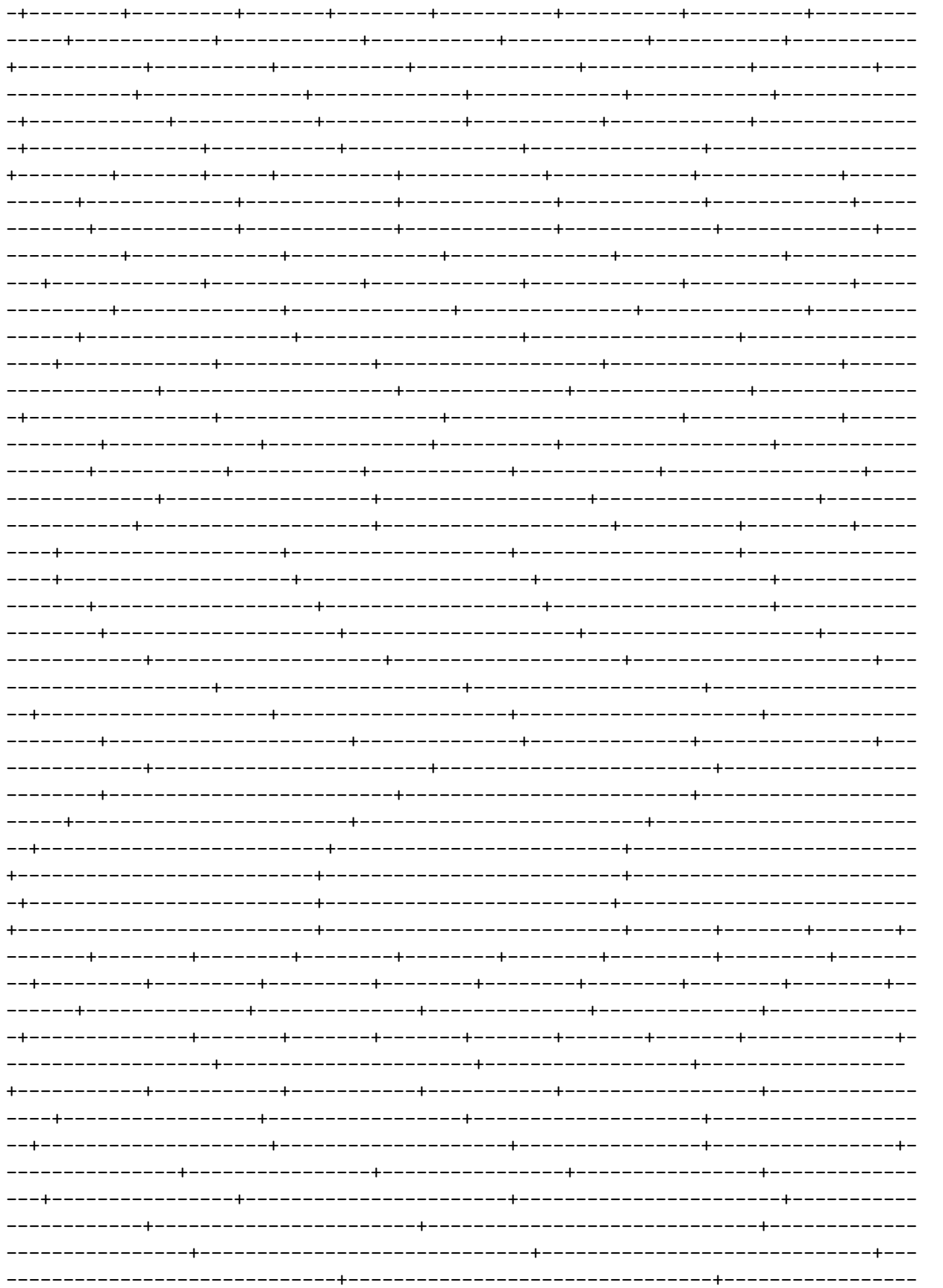


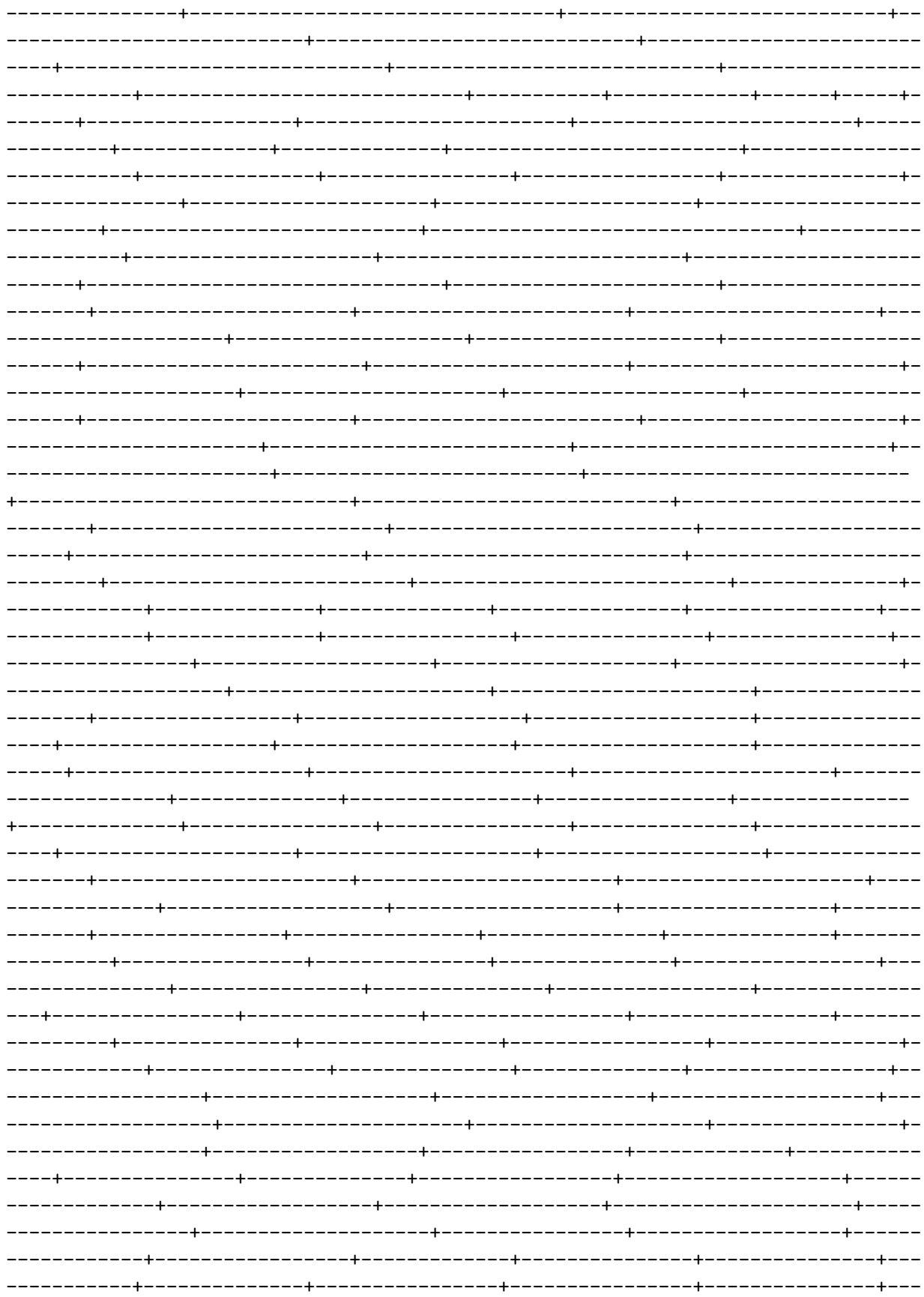


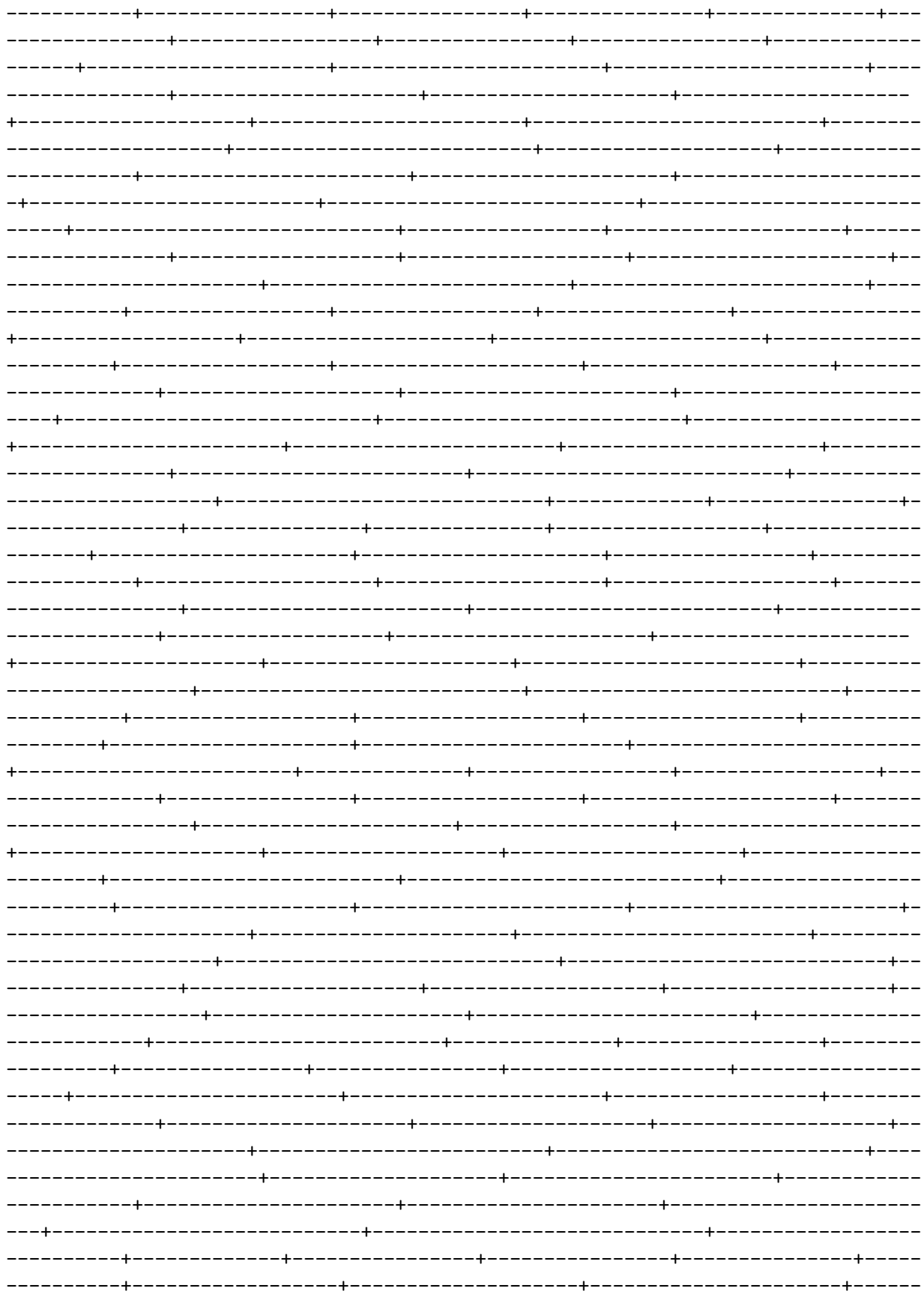


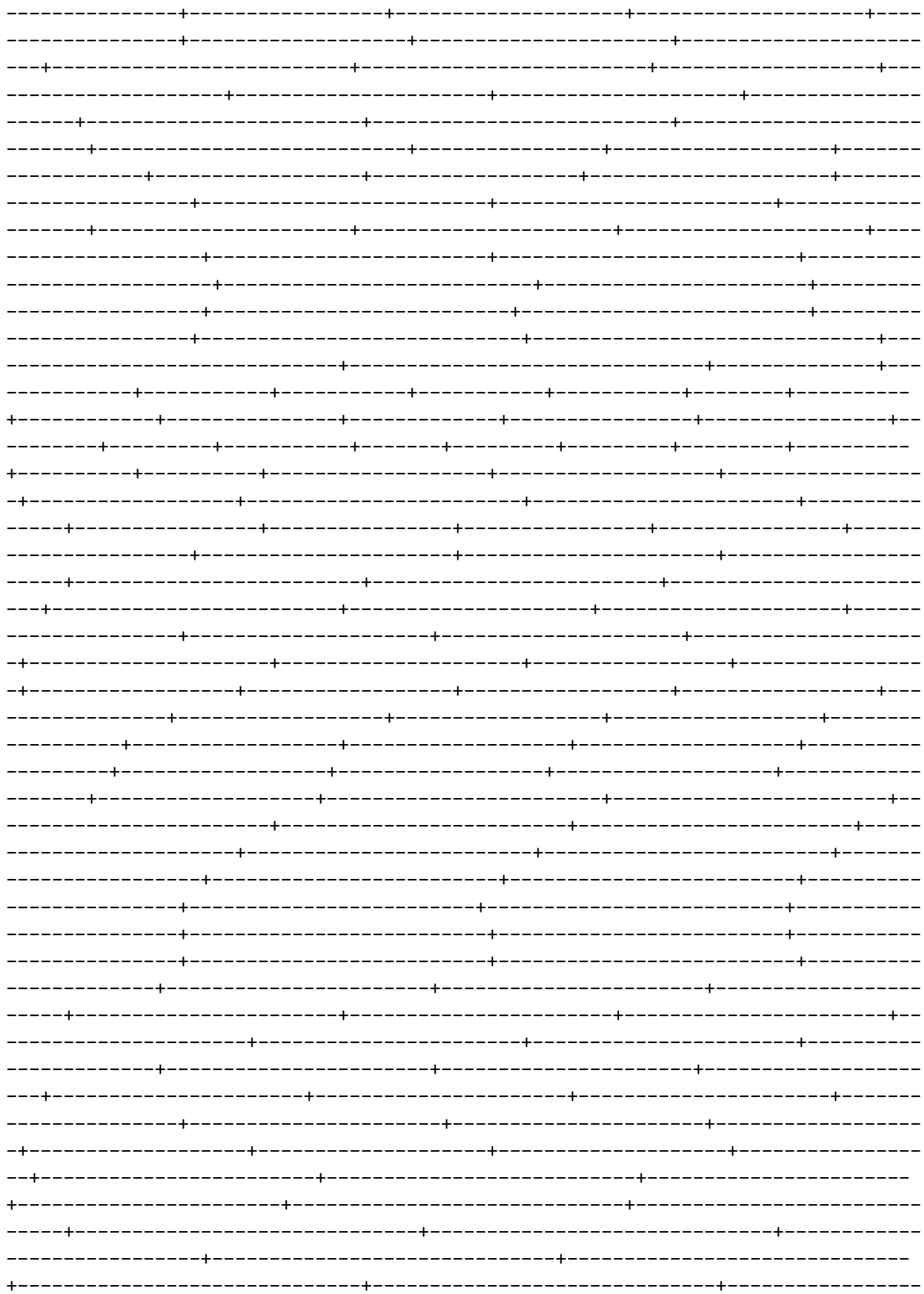


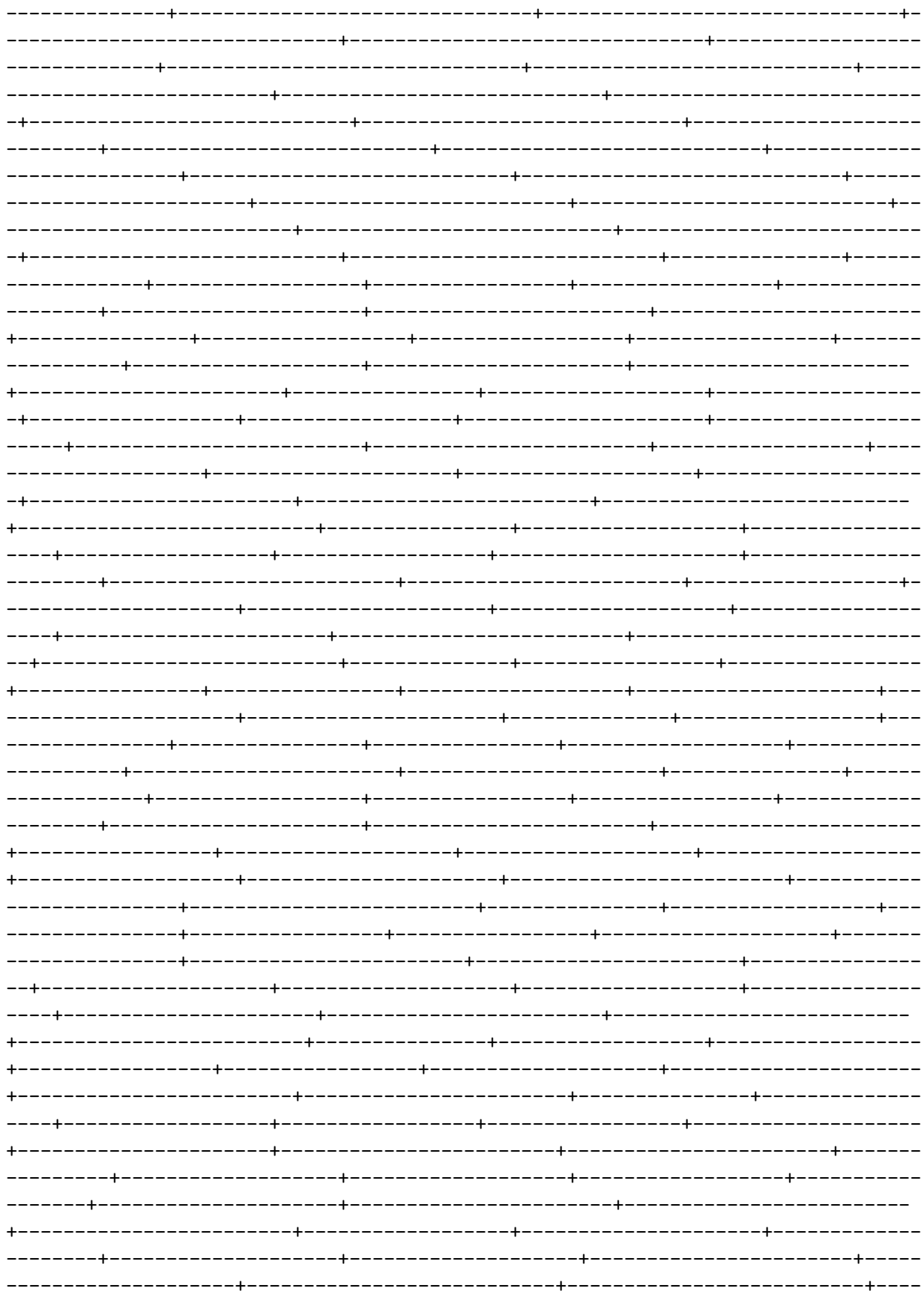


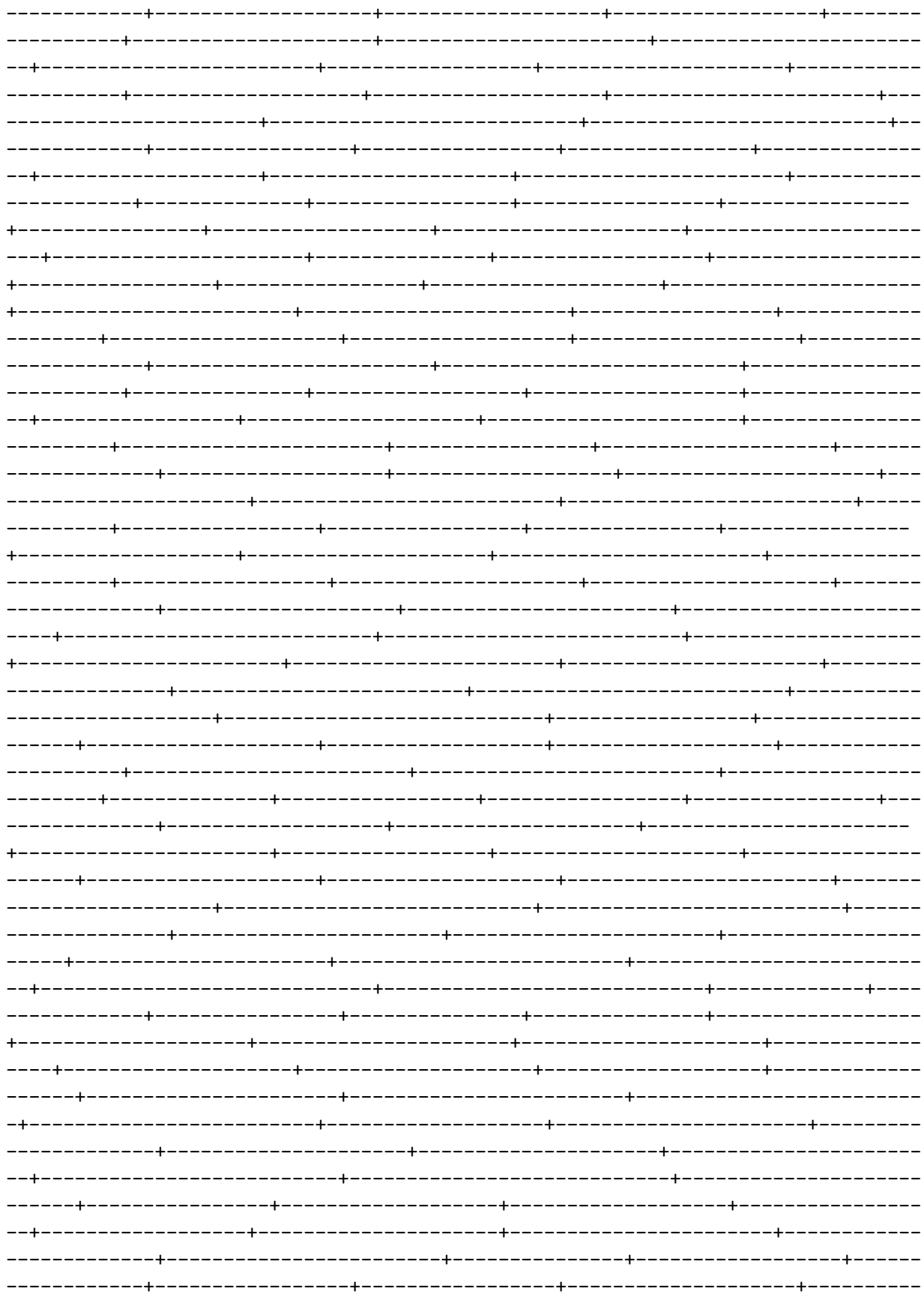


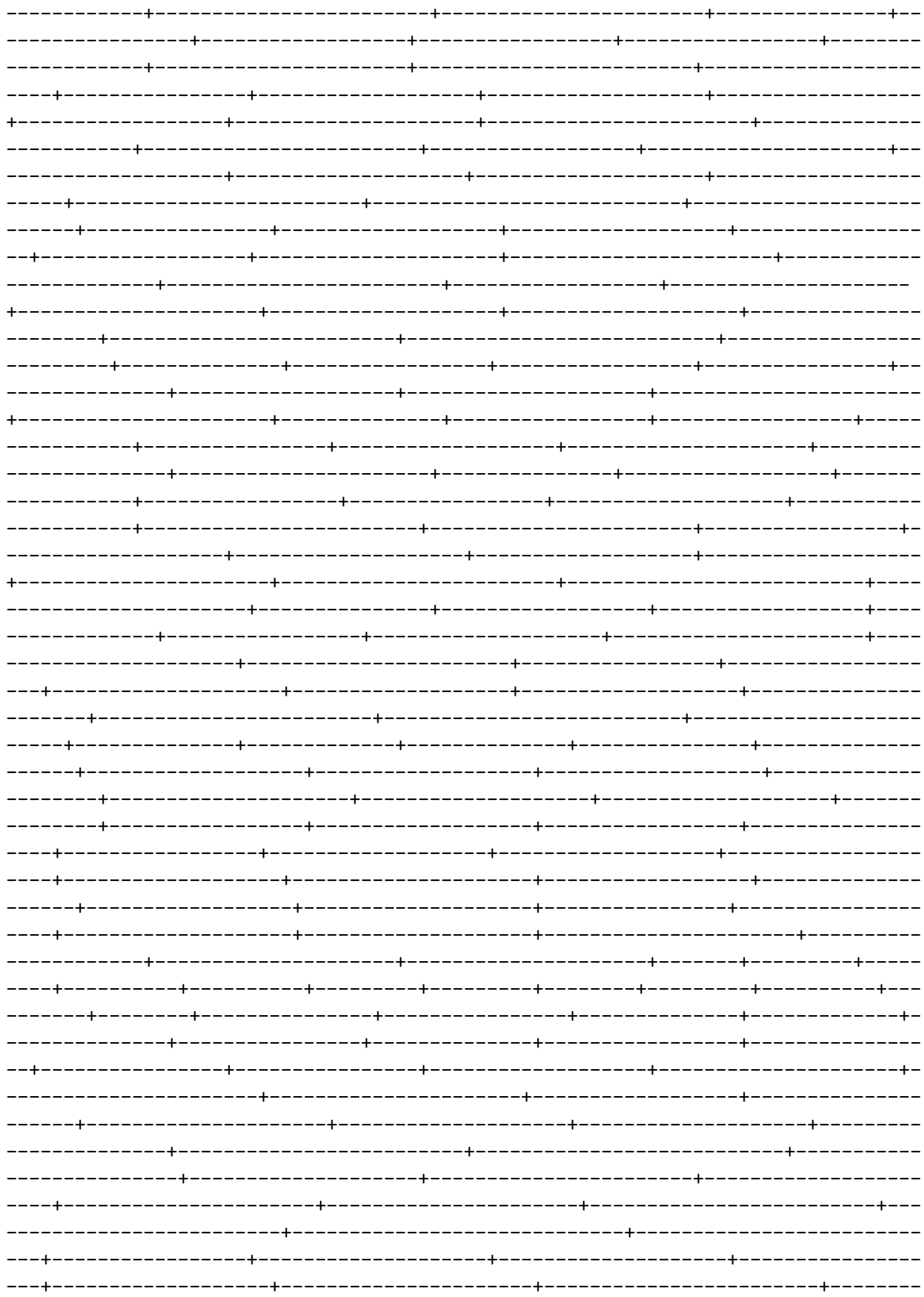


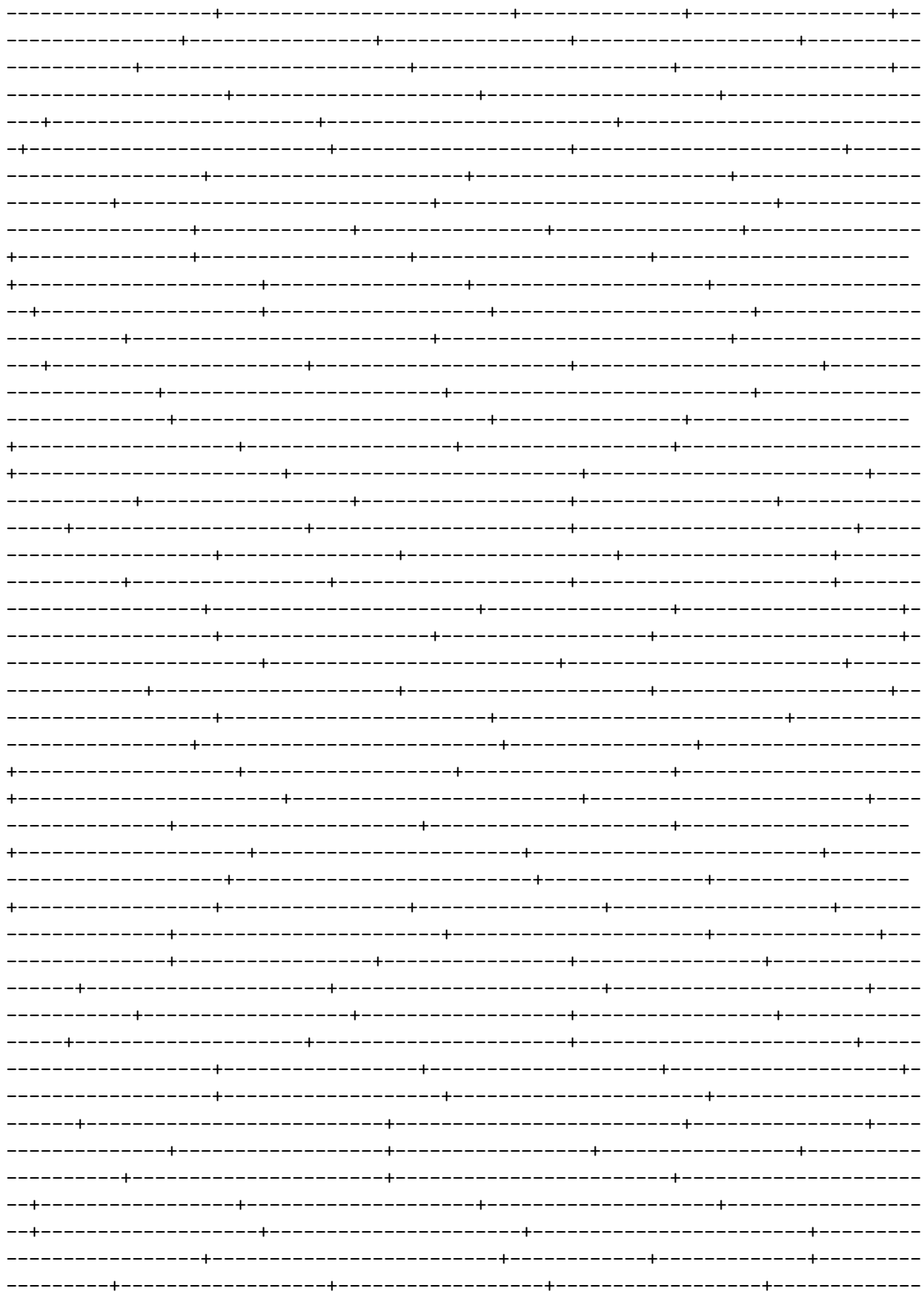












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|UNITID|  OPEID|OPEID6|               INSTNM|      CITY|STABBR|       ZIP|ACCREDA
GENCY|INSTURL|NPCURL|SCH_DEG|HCM2|MAIN|NUMBRANCH|PREDDEG|HIGHDEG|CONTROL|ST_FIPS
|REGION|LOCALE|LOCALE2|LATITUDE|LONGITUDE|CCBASIC|CCUGPROF|CCSIZSET|HBCU|
PBI|ANNHI|TRIBAL|AANAPII| HSI|NANTI|MENONLY|WOMENONLY|RELAFFIL|ADM_RATE|ADM_RATE
_ALL|SATVR25|SATVR75|SATMT25|SATMT75|SATWR25|SATWR75|SATVRMID|SATMTMID|SATWRMID|
ACTCM25|ACTCM75|ACTEN25|ACTEN75|ACTMT25|ACTMT75|ACTWR25|ACTWR75|ACTCMMID|ACTENMI
D|ACTMTMID|ACTWRMID|SAT_AVG|SAT_AVG_ALL|PCIP01|PCIP03|PCIP04|PCIP05|PCIP09|PCIP1
0|PCIP11|PCIP12|PCIP13|PCIP14|PCIP15|PCIP16|PCIP19|PCIP22|PCIP23|PCIP24|PCIP25|P
CIP26|PCIP27|PCIP29|PCIP30|PCIP31|PCIP38|PCIP39|PCIP40|PCIP41|PCIP42|PCIP43|PCIP
44|PCIP45|PCIP46|PCIP47|PCIP48|PCIP49|PCIP50|PCIP51|PCIP52|PCIP54|CIP01CERT1|CIP
01CERT2|CIP01ASSOC|CIP01CERT4|CIP01BACHL|CIP03CERT1|CIP03CERT2|CIP03ASSOC|CIP03C
ERT4|CIP03BACHL|CIP04CERT1|CIP04CERT2|CIP04ASSOC|CIP04CERT4|CIP04BACHL|CIP05CERT
1|CIP05CERT2|CIP05ASSOC|CIP05CERT4|CIP05BACHL|CIP09CERT1|CIP09CERT2|CIP09ASSOC|C
IP09CERT4|CIP09BACHL|CIP10CERT1|CIP10CERT2|CIP10ASSOC|CIP10CERT4|CIP10BACHL|CIP1
1CERT1|CIP11CERT2|CIP11ASSOC|CIP11CERT4|CIP11BACHL|CIP12CERT1|CIP12CERT2|CIP12AS
SOC|CIP12CERT4|CIP12BACHL|CIP13CERT1|CIP13CERT2|CIP13ASSOC|CIP13CERT4|CIP13BACHL
|CIP14CERT1|CIP14CERT2|CIP14ASSOC|CIP14CERT4|CIP14BACHL|CIP15CERT1|CIP15CERT2|CI
P15ASSOC|CIP15CERT4|CIP15BACHL|CIP16CERT1|CIP16CERT2|CIP16ASSOC|CIP16CERT4|CIP16
BACHL|CIP19CERT1|CIP19CERT2|CIP19ASSOC|CIP19CERT4|CIP19BACHL|CIP22CERT1|CIP22CER
T2|CIP22ASSOC|CIP22CERT4|CIP22BACHL|CIP23CERT1|CIP23CERT2|CIP23ASSOC|CIP23CERT4|
CIP23BACHL|CIP24CERT1|CIP24CERT2|CIP24ASSOC|CIP24CERT4|CIP24BACHL|CIP25CERT1|CIP
25CERT2|CIP25ASSOC|CIP25CERT4|CIP25BACHL|CIP26CERT1|CIP26CERT2|CIP26ASSOC|CIP26C
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8CERT1|CIP38CERT2|CIP38ASSOC|CIP38CERT4|CIP38BACHL|CIP39CERT1|CIP39CERT2|CIP39AS
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T2|CIP45ASSOC|CIP45CERT4|CIP45BACHL|CIP46CERT1|CIP46CERT2|CIP46ASSOC|CIP46CERT4|
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ERT4|CIP49BACHL|CIP50CERT1|CIP50CERT2|CIP50ASSOC|CIP50CERT4|CIP50BACHL|CIP51CERT
1|CIP51CERT2|CIP51ASSOC|CIP51CERT4|CIP51BACHL|CIP52CERT1|CIP52CERT2|CIP52ASSOC|C
IP52CERT4|CIP52BACHL|CIP54CERT1|CIP54CERT2|CIP54ASSOC|CIP54CERT4|CIP54BACHL|DIST
ANCEONLY| UGDS|  UG|UGDS_WHITE|UGDS_BLACK|UGDS_HISP|UGDS_ASIAN|UGDS_AIAN|UGDS_NH
PI|UGDS_2MOR|UGDS_NRA|UGDS_UNKN|UGDS_WHITENH|UGDS_BLACKNH|UGDS_API|UGDS_AIANOLD|
UGDS_HISPOLD|UG_NRA|UG_UNKN|UG_WHITENH|UG_BLACKNH|UG_API|UG_AIANOLD|UG_HISPOLD|P
PTUG_EF|PPTUG_EF2|CURROPER|NPT4_PUB|NPT4_PRIV|NPT4_PROG|NPT4_OTHER|NPT41_PUB|NPT
42_PUB|NPT43_PUB|NPT44_PUB|NPT45_PUB|NPT41_PRIV|NPT42_PRIV|NPT43_PRIV|NPT44_PRIV
|NPT45_PRIV|NPT41_PROG|NPT42_PROG|NPT43_PROG|NPT44_PROG|NPT45_PROG|NPT41_OTHER|N
PT42_OTHER|NPT43_OTHER|NPT44_OTHER|NPT45_OTHER|NPT4_048_PUB|NPT4_048_PRIV|NPT4_0
48_PROG|NPT4_048_OTHER|NPT4_3075_PUB|NPT4_3075_PRIV|NPT4_75UP_PUB|NPT4_75UP_PRIV
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|NPT4_3075_PROG|NPT4_3075_OTHER|NPT4_75UP_PROG|NPT4_75UP_OTHER|NUM4_PUB|NUM4_PRI
V|NUM4_PROG|NUM4_OTHER|NUM41_PUB|NUM42_PUB|NUM43_PUB|NUM44_PUB|NUM45_PUB|NUM41_P
RIV|NUM42_PRIV|NUM43_PRIV|NUM44_PRIV|NUM45_PRIV|NUM41_PROG|NUM42_PROG|NUM43_PROG
|NUM44_PROG|NUM45_PROG|NUM41_OTHER|NUM42_OTHER|NUM43_OTHER|NUM44_OTHER|NUM45_OTH
ER|COSTT4_A|COSTT4_P|TUITIONFEE_IN|TUITIONFEE_OUT|TUITIONFEE_PROG|TUITFTE|INEXPF
TE|AVGFACSAL|PFTFAC|PCTPELL|C150_4|C150_L4|C150_4_POOLED|C150_L4_POOLED|POOLYRS|
PFTFTUG1_EF|D150_4|D150_L4|D150_4_POOLED|D150_L4_POOLED|C150_4_WHITE|C150_4_BLAC
K|C150_4_HISP|C150_4_ASIAN|C150_4_AIAN|C150_4_NHPI|C150_4_2MOR|C150_4_NRA|C150_4
_UNKN|C150_4_WHITENH|C150_4_BLACKNH|C150_4_API|C150_4_AIANOLD|C150_4_HISPOLD|C15
0_L4_WHITE|C150_L4_BLACK|C150_L4_HISP|C150_L4_ASIAN|C150_L4_AIAN|C150_L4_NHPI|C1
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C150_L4_AIANOLD|C150_L4_HISPOLD|C200_4|C200_L4|D200_4|D200_L4|RET_FT4|RET_FTL4|R
ET_PT4|RET_PTL4|C200_4_POOLED|C200_L4_POOLED|POOLYRS200|D200_4_POOLED|D200_L4_PO
OLED|PCTFLOAN|UG25ABV|CDR2| CDR3| DEATH_YR2_RT|COMP_ORIG_YR2_RT|COMP_4YR_TRA
NS_YR2_RT|COMP_2YR_TRANS_YR2_RT|WDRAW_ORIG_YR2_RT|WDRAW_4YR_TRANS_YR2_RT|WDRAW_2
YR_TRANS_YR2_RT|ENRL_ORIG_YR2_RT|ENRL_4YR_TRANS_YR2_RT|ENRL_2YR_TRANS_YR2_RT| UN
KN_ORIG_YR2_RT|UNKN_4YR_TRANS_YR2_RT|UNKN_2YR_TRANS_YR2_RT|LO_INC_DEATH_YR2_RT|L
O_INC_COMP_ORIG_YR2_RT|LO_INC_COMP_4YR_TRANS_YR2_RT|LO_INC_COMP_2YR_TRANS_YR2_RT
|LO_INC_WDRAW_ORIG_YR2_RT|LO_INC_WDRAW_4YR_TRANS_YR2_RT|LO_INC_WDRAW_2YR_TRANS_Y
R2_RT|LO_INC_ENRL_ORIG_YR2_RT|LO_INC_ENRL_4YR_TRANS_YR2_RT|LO_INC_ENRL_2YR_TRANS
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NS_YR2_RT|MD_INC_DEATH_YR2_RT|MD_INC_COMP_ORIG_YR2_RT|MD_INC_COMP_4YR_TRANS_YR2_
RT|MD_INC_COMP_2YR_TRANS_YR2_RT|MD_INC_WDRAW_ORIG_YR2_RT|MD_INC_WDRAW_4YR_TRANS_
YR2_RT|MD_INC_WDRAW_2YR_TRANS_YR2_RT|MD_INC_ENRL_ORIG_YR2_RT|MD_INC_ENRL_4YR_TRA
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RANS_YR2_RT|MD_INC_UNKN_2YR_TRANS_YR2_RT|HI_INC_DEATH_YR2_RT|HI_INC_COMP_ORIG_YR
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ORIG_YR2_RT|HI_INC_ENRL_4YR_TRANS_YR2_RT|HI_INC_ENRL_2YR_TRANS_YR2_RT|HI_INC_UNK
N_ORIG_YR2_RT|HI_INC_UNKN_4YR_TRANS_YR2_RT|HI_INC_UNKN_2YR_TRANS_YR2_RT| DEP_DEA
TH_YR2_RT|DEP_COMP_ORIG_YR2_RT|DEP_COMP_4YR_TRANS_YR2_RT|DEP_COMP_2YR_TRANS_YR2_
RT|DEP_WDRAW_ORIG_YR2_RT|DEP_WDRAW_4YR_TRANS_YR2_RT|DEP_WDRAW_2YR_TRANS_YR2_RT|D
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_ORIG_YR2_RT|DEP_UNKN_4YR_TRANS_YR2_RT|DEP_UNKN_2YR_TRANS_YR2_RT| IND_DEATH_YR2_
RT|IND_COMP_ORIG_YR2_RT|IND_COMP_4YR_TRANS_YR2_RT|IND_COMP_2YR_TRANS_YR2_RT|IND_
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_ORIG_YR2_RT|IND_ENRL_4YR_TRANS_YR2_RT|IND_ENRL_2YR_TRANS_YR2_RT|IND_UNKN_ORIG_Y
R2_RT|IND_UNKN_4YR_TRANS_YR2_RT|IND_UNKN_2YR_TRANS_YR2_RT|FEMALE_DEATH_YR2_RT|FE
MALE_COMP_ORIG_YR2_RT|FEMALE_COMP_4YR_TRANS_YR2_RT|FEMALE_COMP_2YR_TRANS_YR2_RT|
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2_RT|FEMALE_ENRL_ORIG_YR2_RT|FEMALE_ENRL_4YR_TRANS_YR2_RT|FEMALE_ENRL_2YR_TRANS_
YR2_RT|FEMALE_UNKN_ORIG_YR2_RT|FEMALE_UNKN_4YR_TRANS_YR2_RT|FEMALE_UNKN_2YR_TRAN
S_YR2_RT|MALE_DEATH_YR2_RT|MALE_COMP_ORIG_YR2_RT|MALE_COMP_4YR_TRANS_YR2_RT|MALE
_COMP_2YR_TRANS_YR2_RT|MALE_WDRAW_ORIG_YR2_RT|MALE_WDRAW_4YR_TRANS_YR2_RT|MALE_W
DRAW_2YR_TRANS_YR2_RT|MALE_ENRL_ORIG_YR2_RT|MALE_ENRL_4YR_TRANS_YR2_RT|MALE_ENRL
_2YR_TRANS_YR2_RT|MALE_UNKN_ORIG_YR2_RT|MALE_UNKN_4YR_TRANS_YR2_RT|MALE_UNKN_2YR
_TRANS_YR2_RT|PELL_DEATH_YR2_RT|PELL_COMP_ORIG_YR2_RT|PELL_COMP_4YR_TRANS_YR2_RT
|PELL_COMP_2YR_TRANS_YR2_RT|PELL_WDRAW_ORIG_YR2_RT|PELL_WDRAW_4YR_TRANS_YR2_RT|P

ELL_WDRAW_2YR_TRANS_YR2_RT|PELL_ENRL_ORIG_YR2_RT|PELL_ENRL_4YR_TRANS_YR2_RT|PELL
_ENRL_2YR_TRANS_YR2_RT|PELL_UNKN_ORIG_YR2_RT|PELL_UNKN_4YR_TRANS_YR2_RT|PELL_UNK
N_2YR_TRANS_YR2_RT|NOPELL_DEATH_YR2_RT|NOPELL_COMP_ORIG_YR2_RT|NOPELL_COMP_4YR_T
RANS_YR2_RT|NOPELL_COMP_2YR_TRANS_YR2_RT|NOPELL_WDRAW_ORIG_YR2_RT|NOPELL_WDRAW_4
YR_TRANS_YR2_RT|NOPELL_WDRAW_2YR_TRANS_YR2_RT|NOPELL_ENRL_ORIG_YR2_RT|NOPELL_ENR
L_4YR_TRANS_YR2_RT|NOPELL_ENRL_2YR_TRANS_YR2_RT|NOPELL_UNKN_ORIG_YR2_RT|NOPELL_U
NKN_4YR_TRANS_YR2_RT|NOPELL_UNKN_2YR_TRANS_YR2_RT|LOAN_DEATH_YR2_RT|LOAN_COMP_OR
IG_YR2_RT|LOAN_COMP_4YR_TRANS_YR2_RT|LOAN_COMP_2YR_TRANS_YR2_RT|LOAN_WDRAW_ORIG_
YR2_RT|LOAN_WDRAW_4YR_TRANS_YR2_RT|LOAN_WDRAW_2YR_TRANS_YR2_RT|LOAN_ENRL_ORIG_YR
2_RT|LOAN_ENRL_4YR_TRANS_YR2_RT|LOAN_ENRL_2YR_TRANS_YR2_RT|LOAN_UNKN_ORIG_YR2_RT
|LOAN_UNKN_4YR_TRANS_YR2_RT|LOAN_UNKN_2YR_TRANS_YR2_RT|NOLOAN_DEATH_YR2_RT|NOLOA
N_COMP_ORIG_YR2_RT|NOLOAN_COMP_4YR_TRANS_YR2_RT|NOLOAN_COMP_2YR_TRANS_YR2_RT|NOL
OAN_WDRAW_ORIG_YR2_RT|NOLOAN_WDRAW_4YR_TRANS_YR2_RT|NOLOAN_WDRAW_2YR_TRANS_YR2_R
T|NOLOAN_ENRL_ORIG_YR2_RT|NOLOAN_ENRL_4YR_TRANS_YR2_RT|NOLOAN_ENRL_2YR_TRANS_YR2
_RT|NOLOAN_UNKN_ORIG_YR2_RT|NOLOAN_UNKN_4YR_TRANS_YR2_RT|NOLOAN_UNKN_2YR_TRANS_Y
R2_RT|FIRSTGEN_DEATH_YR2_RT|FIRSTGEN_COMP_ORIG_YR2_RT|FIRSTGEN_COMP_4YR_TRANS_YR
2_RT|FIRSTGEN_COMP_2YR_TRANS_YR2_RT|FIRSTGEN_WDRAW_ORIG_YR2_RT|FIRSTGEN_WDRAW_4Y
R_TRANS_YR2_RT|FIRSTGEN_WDRAW_2YR_TRANS_YR2_RT|FIRSTGEN_ENRL_ORIG_YR2_RT|FIRSTGE
N_ENRL_4YR_TRANS_YR2_RT|FIRSTGEN_ENRL_2YR_TRANS_YR2_RT|FIRSTGEN_UNKN_ORIG_YR2_RT
|FIRSTGEN_UNKN_4YR_TRANS_YR2_RT|FIRSTGEN_UNKN_2YR_TRANS_YR2_RT|NOT1STGEN_DEATH_Y
R2_RT|NOT1STGEN_COMP_ORIG_YR2_RT|NOT1STGEN_COMP_4YR_TRANS_YR2_RT|NOT1STGEN_COMP_
2YR_TRANS_YR2_RT|NOT1STGEN_WDRAW_ORIG_YR2_RT|NOT1STGEN_WDRAW_4YR_TRANS_YR2_RT|NO
T1STGEN_WDRAW_2YR_TRANS_YR2_RT|NOT1STGEN_ENRL_ORIG_YR2_RT|NOT1STGEN_ENRL_4YR_TRA
NS_YR2_RT|NOT1STGEN_ENRL_2YR_TRANS_YR2_RT|NOT1STGEN_UNKN_ORIG_YR2_RT|NOT1STGEN_U
NKN_4YR_TRANS_YR2_RT|NOT1STGEN_UNKN_2YR_TRANS_YR2_RT| DEATH_YR3_RT|COMP_ORIG
_YR3_RT|COMP_4YR_TRANS_YR3_RT|COMP_2YR_TRANS_YR3_RT|WDRAW_ORIG_YR3_RT|WDRAW_4YR_
TRANS_YR3_RT|WDRAW_2YR_TRANS_YR3_RT|
ENRL_ORIG_YR3_RT|ENRL_4YR_TRANS_YR3_RT|ENRL_2YR_TRANS_YR3_RT| UNKN_ORIG_YR3_RT|U
NKN_4YR_TRANS_YR3_RT|UNKN_2YR_TRANS_YR3_RT|LO_INC_DEATH_YR3_RT|LO_INC_COMP_ORIG_
YR3_RT|LO_INC_COMP_4YR_TRANS_YR3_RT|LO_INC_COMP_2YR_TRANS_YR3_RT|LO_INC_WDRAW_OR
IG_YR3_RT|LO_INC_WDRAW_4YR_TRANS_YR3_RT|LO_INC_WDRAW_2YR_TRANS_YR3_RT|LO_INC_ENR
L_ORIG_YR3_RT|LO_INC_ENRL_4YR_TRANS_YR3_RT|LO_INC_ENRL_2YR_TRANS_YR3_RT|LO_INC_U
NKN_ORIG_YR3_RT|LO_INC_UNKN_4YR_TRANS_YR3_RT|LO_INC_UNKN_2YR_TRANS_YR3_RT|MD_INC
_DEATH_YR3_RT|MD_INC_COMP_ORIG_YR3_RT|MD_INC_COMP_4YR_TRANS_YR3_RT|MD_INC_COMP_2
YR_TRANS_YR3_RT|MD_INC_WDRAW_ORIG_YR3_RT|MD_INC_WDRAW_4YR_TRANS_YR3_RT|MD_INC_WD
RAW_2YR_TRANS_YR3_RT|MD_INC_ENRL_ORIG_YR3_RT|MD_INC_ENRL_4YR_TRANS_YR3_RT|MD_INC
_ENRL_2YR_TRANS_YR3_RT|MD_INC_UNKN_ORIG_YR3_RT|MD_INC_UNKN_4YR_TRANS_YR3_RT|MD_I
NC_UNKN_2YR_TRANS_YR3_RT|HI_INC_DEATH_YR3_RT|HI_INC_COMP_ORIG_YR3_RT|HI_INC_COMP
_4YR_TRANS_YR3_RT|HI_INC_COMP_2YR_TRANS_YR3_RT|HI_INC_WDRAW_ORIG_YR3_RT|HI_INC_W
DRAW_4YR_TRANS_YR3_RT|HI_INC_WDRAW_2YR_TRANS_YR3_RT|HI_INC_ENRL_ORIG_YR3_RT|HI_I
NC_ENRL_4YR_TRANS_YR3_RT|HI_INC_ENRL_2YR_TRANS_YR3_RT|HI_INC_UNKN_ORIG_YR3_RT|HI
_INC_UNKN_4YR_TRANS_YR3_RT|HI_INC_UNKN_2YR_TRANS_YR3_RT| DEP_DEATH_YR3_RT|DEP_CO
MP_ORIG_YR3_RT|DEP_COMP_4YR_TRANS_YR3_RT|DEP_COMP_2YR_TRANS_YR3_RT|DEP_WDRAW_ORI
G_YR3_RT|DEP_WDRAW_4YR_TRANS_YR3_RT|DEP_WDRAW_2YR_TRANS_YR3_RT|DEP_ENRL_ORIG_YR3
_RT|DEP_ENRL_4YR_TRANS_YR3_RT|DEP_ENRL_2YR_TRANS_YR3_RT|DEP_UNKN_ORIG_YR3_RT|DEP
_UNKN_4YR_TRANS_YR3_RT|DEP_UNKN_2YR_TRANS_YR3_RT| IND_DEATH_YR3_RT|IND_COMP_ORIG
_YR3_RT|IND_COMP_4YR_TRANS_YR3_RT|IND_COMP_2YR_TRANS_YR3_RT|IND_WDRAW_ORIG_YR3_R
T|IND_WDRAW_4YR_TRANS_YR3_RT|IND_WDRAW_2YR_TRANS_YR3_RT|IND_ENRL_ORIG_YR3_RT|IND

_ENRL_4YR_TRANS_YR3_RT|IND_ENRL_2YR_TRANS_YR3_RT|IND_UNKN_ORIG_YR3_RT|IND_UNKN_4
YR_TRANS_YR3_RT|IND_UNKN_2YR_TRANS_YR3_RT|FEMALE_DEATH_YR3_RT|FEMALE_COMP_ORIG_Y
R3_RT|FEMALE_COMP_4YR_TRANS_YR3_RT|FEMALE_COMP_2YR_TRANS_YR3_RT|FEMALE_WDRAW_ORI
G_YR3_RT|FEMALE_WDRAW_4YR_TRANS_YR3_RT|FEMALE_WDRAW_2YR_TRANS_YR3_RT|FEMALE_ENRL
_ORIG_YR3_RT|FEMALE_ENRL_4YR_TRANS_YR3_RT|FEMALE_ENRL_2YR_TRANS_YR3_RT|FEMALE_UN
KN_ORIG_YR3_RT|FEMALE_UNKN_4YR_TRANS_YR3_RT|FEMALE_UNKN_2YR_TRANS_YR3_RT|MALE_DE
ATH_YR3_RT|MALE_COMP_ORIG_YR3_RT|MALE_COMP_4YR_TRANS_YR3_RT|MALE_COMP_2YR_TRANS_
YR3_RT|MALE_WDRAW_ORIG_YR3_RT|MALE_WDRAW_4YR_TRANS_YR3_RT|MALE_WDRAW_2YR_TRANS_Y
R3_RT|MALE_ENRL_ORIG_YR3_RT|MALE_ENRL_4YR_TRANS_YR3_RT|MALE_ENRL_2YR_TRANS_YR3_R
T|MALE_UNKN_ORIG_YR3_RT|MALE_UNKN_4YR_TRANS_YR3_RT|MALE_UNKN_2YR_TRANS_YR3_RT|PE
LL_DEATH_YR3_RT|PELL_COMP_ORIG_YR3_RT|PELL_COMP_4YR_TRANS_YR3_RT|PELL_COMP_2YR_T
RANS_YR3_RT|PELL_WDRAW_ORIG_YR3_RT|PELL_WDRAW_4YR_TRANS_YR3_RT|PELL_WDRAW_2YR_TR
ANS_YR3_RT|PELL_ENRL_ORIG_YR3_RT|PELL_ENRL_4YR_TRANS_YR3_RT|PELL_ENRL_2YR_TRANS_
YR3_RT|PELL_UNKN_ORIG_YR3_RT|PELL_UNKN_4YR_TRANS_YR3_RT|PELL_UNKN_2YR_TRANS_YR3_
RT|NOPELL_DEATH_YR3_RT|NOPELL_COMP_ORIG_YR3_RT|NOPELL_COMP_4YR_TRANS_YR3_RT|NOPE
LL_COMP_2YR_TRANS_YR3_RT|NOPELL_WDRAW_ORIG_YR3_RT|NOPELL_WDRAW_4YR_TRANS_YR3_RT|
NOPELL_WDRAW_2YR_TRANS_YR3_RT|NOPELL_ENRL_ORIG_YR3_RT|NOPELL_ENRL_4YR_TRANS_YR3_
RT|NOPELL_ENRL_2YR_TRANS_YR3_RT|NOPELL_UNKN_ORIG_YR3_RT|NOPELL_UNKN_4YR_TRANS_YR
3_RT|NOPELL_UNKN_2YR_TRANS_YR3_RT|LOAN_DEATH_YR3_RT|LOAN_COMP_ORIG_YR3_RT|LOAN_C
OMP_4YR_TRANS_YR3_RT|LOAN_COMP_2YR_TRANS_YR3_RT|LOAN_WDRAW_ORIG_YR3_RT|LOAN_WDRA
W_4YR_TRANS_YR3_RT|LOAN_WDRAW_2YR_TRANS_YR3_RT|LOAN_ENRL_ORIG_YR3_RT|LOAN_ENRL_4
YR_TRANS_YR3_RT|LOAN_ENRL_2YR_TRANS_YR3_RT|LOAN_UNKN_ORIG_YR3_RT|LOAN_UNKN_4YR_T
RANS_YR3_RT|LOAN_UNKN_2YR_TRANS_YR3_RT|NOLOAN_DEATH_YR3_RT|NOLOAN_COMP_ORIG_YR3_
RT|NOLOAN_COMP_4YR_TRANS_YR3_RT|NOLOAN_COMP_2YR_TRANS_YR3_RT|NOLOAN_WDRAW_ORIG_Y
R3_RT|NOLOAN_WDRAW_4YR_TRANS_YR3_RT|NOLOAN_WDRAW_2YR_TRANS_YR3_RT|NOLOAN_ENRL_OR
IG_YR3_RT|NOLOAN_ENRL_4YR_TRANS_YR3_RT|NOLOAN_ENRL_2YR_TRANS_YR3_RT|NOLOAN_UNKN_
ORIG_YR3_RT|NOLOAN_UNKN_4YR_TRANS_YR3_RT|NOLOAN_UNKN_2YR_TRANS_YR3_RT|FIRSTGEN_D
EATH_YR3_RT|FIRSTGEN_COMP_ORIG_YR3_RT|FIRSTGEN_COMP_4YR_TRANS_YR3_RT|FIRSTGEN_CO
MP_2YR_TRANS_YR3_RT|FIRSTGEN_WDRAW_ORIG_YR3_RT|FIRSTGEN_WDRAW_4YR_TRANS_YR3_RT|F
IRSTGEN_WDRAW_2YR_TRANS_YR3_RT|FIRSTGEN_ENRL_ORIG_YR3_RT|FIRSTGEN_ENRL_4YR_TRANS
_YR3_RT|FIRSTGEN_ENRL_2YR_TRANS_YR3_RT|FIRSTGEN_UNKN_ORIG_YR3_RT|FIRSTGEN_UNKN_4
YR_TRANS_YR3_RT|FIRSTGEN_UNKN_2YR_TRANS_YR3_RT|NOT1STGEN_DEATH_YR3_RT|NOT1STGEN_
COMP_ORIG_YR3_RT|NOT1STGEN_COMP_4YR_TRANS_YR3_RT|NOT1STGEN_COMP_2YR_TRANS_YR3_RT
|NOT1STGEN_WDRAW_ORIG_YR3_RT|NOT1STGEN_WDRAW_4YR_TRANS_YR3_RT|NOT1STGEN_WDRAW_2Y
R_TRANS_YR3_RT|NOT1STGEN_ENRL_ORIG_YR3_RT|NOT1STGEN_ENRL_4YR_TRANS_YR3_RT|NOT1ST
GEN_ENRL_2YR_TRANS_YR3_RT|NOT1STGEN_UNKN_ORIG_YR3_RT|NOT1STGEN_UNKN_4YR_TRANS_YR
3_RT|NOT1STGEN_UNKN_2YR_TRANS_YR3_RT| DEATH_YR4_RT|COMP_ORIG_YR4_RT|COMP_4YR
_TRANS_YR4_RT|COMP_2YR_TRANS_YR4_RT|WDRAW_ORIG_YR4_RT|WDRAW_4YR_TRANS_YR4_RT|WDR
AW_2YR_TRANS_YR4_RT|
ENRL_ORIG_YR4_RT|ENRL_4YR_TRANS_YR4_RT|ENRL_2YR_TRANS_YR4_RT| UNKN_ORIG_YR4_RT|U
NKN_4YR_TRANS_YR4_RT|UNKN_2YR_TRANS_YR4_RT|LO_INC_DEATH_YR4_RT|LO_INC_COMP_ORIG_
YR4_RT|LO_INC_COMP_4YR_TRANS_YR4_RT|LO_INC_COMP_2YR_TRANS_YR4_RT|LO_INC_WDRAW_OR
IG_YR4_RT|LO_INC_WDRAW_4YR_TRANS_YR4_RT|LO_INC_WDRAW_2YR_TRANS_YR4_RT|LO_INC_ENR
L_ORIG_YR4_RT|LO_INC_ENRL_4YR_TRANS_YR4_RT|LO_INC_ENRL_2YR_TRANS_YR4_RT|LO_INC_U
NKN_ORIG_YR4_RT|LO_INC_UNKN_4YR_TRANS_YR4_RT|LO_INC_UNKN_2YR_TRANS_YR4_RT|MD_INC
_DEATH_YR4_RT|MD_INC_COMP_ORIG_YR4_RT|MD_INC_COMP_4YR_TRANS_YR4_RT|MD_INC_COMP_2
YR_TRANS_YR4_RT|MD_INC_WDRAW_ORIG_YR4_RT|MD_INC_WDRAW_4YR_TRANS_YR4_RT|MD_INC_WD
RAW_2YR_TRANS_YR4_RT|MD_INC_ENRL_ORIG_YR4_RT|MD_INC_ENRL_4YR_TRANS_YR4_RT|MD_INC

_ENRL_2YR_TRANS_YR4_RT|MD_INC_UNKN_ORIG_YR4_RT|MD_INC_UNKN_4YR_TRANS_YR4_RT|MD_I
NC_UNKN_2YR_TRANS_YR4_RT|HI_INC_DEATH_YR4_RT|HI_INC_COMP_ORIG_YR4_RT|HI_INC_COMP
_4YR_TRANS_YR4_RT|HI_INC_COMP_2YR_TRANS_YR4_RT|HI_INC_WDRAW_ORIG_YR4_RT|HI_INC_W
DRAW_4YR_TRANS_YR4_RT|HI_INC_WDRAW_2YR_TRANS_YR4_RT|HI_INC_ENRL_ORIG_YR4_RT|HI_I
NC_ENRL_4YR_TRANS_YR4_RT|HI_INC_ENRL_2YR_TRANS_YR4_RT|HI_INC_UNKN_ORIG_YR4_RT|HI
_INC_UNKN_4YR_TRANS_YR4_RT|HI_INC_UNKN_2YR_TRANS_YR4_RT| DEP_DEATH_YR4_RT|DEP_CO
MP_ORIG_YR4_RT|DEP_COMP_4YR_TRANS_YR4_RT|DEP_COMP_2YR_TRANS_YR4_RT|DEP_WDRAW_ORI
G_YR4_RT|DEP_WDRAW_4YR_TRANS_YR4_RT|DEP_WDRAW_2YR_TRANS_YR4_RT|DEP_ENRL_ORIG_YR4
_RT|DEP_ENRL_4YR_TRANS_YR4_RT|DEP_ENRL_2YR_TRANS_YR4_RT|DEP_UNKN_ORIG_YR4_RT|DEP
_UNKN_4YR_TRANS_YR4_RT|DEP_UNKN_2YR_TRANS_YR4_RT| IND_DEATH_YR4_RT|IND_COMP_ORIG
_YR4_RT|IND_COMP_4YR_TRANS_YR4_RT|IND_COMP_2YR_TRANS_YR4_RT|IND_WDRAW_ORIG_YR4_R
T|IND_WDRAW_4YR_TRANS_YR4_RT|IND_WDRAW_2YR_TRANS_YR4_RT|IND_ENRL_ORIG_YR4_RT|IND
_ENRL_4YR_TRANS_YR4_RT|IND_ENRL_2YR_TRANS_YR4_RT|IND_UNKN_ORIG_YR4_RT|IND_UNKN_4
YR_TRANS_YR4_RT|IND_UNKN_2YR_TRANS_YR4_RT|FEMALE_DEATH_YR4_RT|FEMALE_COMP_ORIG_Y
R4_RT|FEMALE_COMP_4YR_TRANS_YR4_RT|FEMALE_COMP_2YR_TRANS_YR4_RT|FEMALE_WDRAW_ORI
G_YR4_RT|FEMALE_WDRAW_4YR_TRANS_YR4_RT|FEMALE_WDRAW_2YR_TRANS_YR4_RT|FEMALE_ENRL
_ORIG_YR4_RT|FEMALE_ENRL_4YR_TRANS_YR4_RT|FEMALE_ENRL_2YR_TRANS_YR4_RT|FEMALE_UN
KN_ORIG_YR4_RT|FEMALE_UNKN_4YR_TRANS_YR4_RT|FEMALE_UNKN_2YR_TRANS_YR4_RT|MALE_DE
ATH_YR4_RT|MALE_COMP_ORIG_YR4_RT|MALE_COMP_4YR_TRANS_YR4_RT|MALE_COMP_2YR_TRANS_
YR4_RT|MALE_WDRAW_ORIG_YR4_RT|MALE_WDRAW_4YR_TRANS_YR4_RT|MALE_WDRAW_2YR_TRANS_Y
R4_RT|MALE_ENRL_ORIG_YR4_RT|MALE_ENRL_4YR_TRANS_YR4_RT|MALE_ENRL_2YR_TRANS_YR4_R
T|MALE_UNKN_ORIG_YR4_RT|MALE_UNKN_4YR_TRANS_YR4_RT|MALE_UNKN_2YR_TRANS_YR4_RT|PE
LL_DEATH_YR4_RT|PELL_COMP_ORIG_YR4_RT|PELL_COMP_4YR_TRANS_YR4_RT|PELL_COMP_2YR_T
RANS_YR4_RT|PELL_WDRAW_ORIG_YR4_RT|PELL_WDRAW_4YR_TRANS_YR4_RT|PELL_WDRAW_2YR_TR
ANS_YR4_RT|PELL_ENRL_ORIG_YR4_RT|PELL_ENRL_4YR_TRANS_YR4_RT|PELL_ENRL_2YR_TRANS_
YR4_RT|PELL_UNKN_ORIG_YR4_RT|PELL_UNKN_4YR_TRANS_YR4_RT|PELL_UNKN_2YR_TRANS_YR4_
RT|NOPELL_DEATH_YR4_RT|NOPELL_COMP_ORIG_YR4_RT|NOPELL_COMP_4YR_TRANS_YR4_RT|NOPE
LL_COMP_2YR_TRANS_YR4_RT|NOPELL_WDRAW_ORIG_YR4_RT|NOPELL_WDRAW_4YR_TRANS_YR4_RT|
NOPELL_WDRAW_2YR_TRANS_YR4_RT|NOPELL_ENRL_ORIG_YR4_RT|NOPELL_ENRL_4YR_TRANS_YR4_
RT|NOPELL_ENRL_2YR_TRANS_YR4_RT|NOPELL_UNKN_ORIG_YR4_RT|NOPELL_UNKN_4YR_TRANS_YR
4_RT|NOPELL_UNKN_2YR_TRANS_YR4_RT|LOAN_DEATH_YR4_RT|LOAN_COMP_ORIG_YR4_RT|LOAN_C
OMP_4YR_TRANS_YR4_RT|LOAN_COMP_2YR_TRANS_YR4_RT|LOAN_WDRAW_ORIG_YR4_RT|LOAN_WDRA
W_4YR_TRANS_YR4_RT|LOAN_WDRAW_2YR_TRANS_YR4_RT|LOAN_ENRL_ORIG_YR4_RT|LOAN_ENRL_4
YR_TRANS_YR4_RT|LOAN_ENRL_2YR_TRANS_YR4_RT|LOAN_UNKN_ORIG_YR4_RT|LOAN_UNKN_4YR_T
RANS_YR4_RT|LOAN_UNKN_2YR_TRANS_YR4_RT|NOLOAN_DEATH_YR4_RT|NOLOAN_COMP_ORIG_YR4_
RT|NOLOAN_COMP_4YR_TRANS_YR4_RT|NOLOAN_COMP_2YR_TRANS_YR4_RT|NOLOAN_WDRAW_ORIG_Y
R4_RT|NOLOAN_WDRAW_4YR_TRANS_YR4_RT|NOLOAN_WDRAW_2YR_TRANS_YR4_RT|NOLOAN_ENRL_OR
IG_YR4_RT|NOLOAN_ENRL_4YR_TRANS_YR4_RT|NOLOAN_ENRL_2YR_TRANS_YR4_RT|NOLOAN_UNKN_
ORIG_YR4_RT|NOLOAN_UNKN_4YR_TRANS_YR4_RT|NOLOAN_UNKN_2YR_TRANS_YR4_RT|FIRSTGEN_D
EATH_YR4_RT|FIRSTGEN_COMP_ORIG_YR4_RT|FIRSTGEN_COMP_4YR_TRANS_YR4_RT|FIRSTGEN_CO
MP_2YR_TRANS_YR4_RT|FIRSTGEN_WDRAW_ORIG_YR4_RT|FIRSTGEN_WDRAW_4YR_TRANS_YR4_RT|F
IRSTGEN_WDRAW_2YR_TRANS_YR4_RT|FIRSTGEN_ENRL_ORIG_YR4_RT|FIRSTGEN_ENRL_4YR_TRANS
_YR4_RT|FIRSTGEN_ENRL_2YR_TRANS_YR4_RT|FIRSTGEN_UNKN_ORIG_YR4_RT|FIRSTGEN_UNKN_4
YR_TRANS_YR4_RT|FIRSTGEN_UNKN_2YR_TRANS_YR4_RT|NOT1STGEN_DEATH_YR4_RT|NOT1STGEN_
COMP_ORIG_YR4_RT|NOT1STGEN_COMP_4YR_TRANS_YR4_RT|NOT1STGEN_COMP_2YR_TRANS_YR4_RT
|NOT1STGEN_WDRAW_ORIG_YR4_RT|NOT1STGEN_WDRAW_4YR_TRANS_YR4_RT|NOT1STGEN_WDRAW_2Y
R_TRANS_YR4_RT|NOT1STGEN_ENRL_ORIG_YR4_RT|NOT1STGEN_ENRL_4YR_TRANS_YR4_RT|NOT1ST
GEN_ENRL_2YR_TRANS_YR4_RT|NOT1STGEN_UNKN_ORIG_YR4_RT|NOT1STGEN_UNKN_4YR_TRANS_YR

4_RT|NOT1STGEN_UNKN_2YR_TRANS_YR4_RT| DEATH_YR6_RT|COMP_ORIG_YR6_RT|COMP_4YR
_TRANS_YR6_RT|COMP_2YR_TRANS_YR6_RT|WDRAW_ORIG_YR6_RT|WDRAW_4YR_TRANS_YR6_RT|WDR
AW_2YR_TRANS_YR6_RT|
ENRL_ORIG_YR6_RT|ENRL_4YR_TRANS_YR6_RT|ENRL_2YR_TRANS_YR6_RT| UNKN_ORIG_YR6_RT|U
NKN_4YR_TRANS_YR6_RT|UNKN_2YR_TRANS_YR6_RT|LO_INC_DEATH_YR6_RT|LO_INC_COMP_ORIG_
YR6_RT|LO_INC_COMP_4YR_TRANS_YR6_RT|LO_INC_COMP_2YR_TRANS_YR6_RT|LO_INC_WDRAW_OR
IG_YR6_RT|LO_INC_WDRAW_4YR_TRANS_YR6_RT|LO_INC_WDRAW_2YR_TRANS_YR6_RT|LO_INC_ENR
L_ORIG_YR6_RT|LO_INC_ENRL_4YR_TRANS_YR6_RT|LO_INC_ENRL_2YR_TRANS_YR6_RT|LO_INC_U
NKN_ORIG_YR6_RT|LO_INC_UNKN_4YR_TRANS_YR6_RT|LO_INC_UNKN_2YR_TRANS_YR6_RT|MD_INC
_DEATH_YR6_RT|MD_INC_COMP_ORIG_YR6_RT|MD_INC_COMP_4YR_TRANS_YR6_RT|MD_INC_COMP_2
YR_TRANS_YR6_RT|MD_INC_WDRAW_ORIG_YR6_RT|MD_INC_WDRAW_4YR_TRANS_YR6_RT|MD_INC_WD
RAW_2YR_TRANS_YR6_RT|MD_INC_ENRL_ORIG_YR6_RT|MD_INC_ENRL_4YR_TRANS_YR6_RT|MD_INC
_ENRL_2YR_TRANS_YR6_RT|MD_INC_UNKN_ORIG_YR6_RT|MD_INC_UNKN_4YR_TRANS_YR6_RT|MD_I
NC_UNKN_2YR_TRANS_YR6_RT|HI_INC_DEATH_YR6_RT|HI_INC_COMP_ORIG_YR6_RT|HI_INC_COMP
_4YR_TRANS_YR6_RT|HI_INC_COMP_2YR_TRANS_YR6_RT|HI_INC_WDRAW_ORIG_YR6_RT|HI_INC_W
DRAW_4YR_TRANS_YR6_RT|HI_INC_WDRAW_2YR_TRANS_YR6_RT|HI_INC_ENRL_ORIG_YR6_RT|HI_I
NC_ENRL_4YR_TRANS_YR6_RT|HI_INC_ENRL_2YR_TRANS_YR6_RT|HI_INC_UNKN_ORIG_YR6_RT|HI
_INC_UNKN_4YR_TRANS_YR6_RT|HI_INC_UNKN_2YR_TRANS_YR6_RT| DEP_DEATH_YR6_RT|DEP_CO
MP_ORIG_YR6_RT|DEP_COMP_4YR_TRANS_YR6_RT|DEP_COMP_2YR_TRANS_YR6_RT|DEP_WDRAW_ORI
G_YR6_RT|DEP_WDRAW_4YR_TRANS_YR6_RT|DEP_WDRAW_2YR_TRANS_YR6_RT|DEP_ENRL_ORIG_YR6
_RT|DEP_ENRL_4YR_TRANS_YR6_RT|DEP_ENRL_2YR_TRANS_YR6_RT|DEP_UNKN_ORIG_YR6_RT|DEP
_UNKN_4YR_TRANS_YR6_RT|DEP_UNKN_2YR_TRANS_YR6_RT| IND_DEATH_YR6_RT|IND_COMP_ORIG
_YR6_RT|IND_COMP_4YR_TRANS_YR6_RT|IND_COMP_2YR_TRANS_YR6_RT|IND_WDRAW_ORIG_YR6_R
T|IND_WDRAW_4YR_TRANS_YR6_RT|IND_WDRAW_2YR_TRANS_YR6_RT|IND_ENRL_ORIG_YR6_RT|IND
_ENRL_4YR_TRANS_YR6_RT|IND_ENRL_2YR_TRANS_YR6_RT|IND_UNKN_ORIG_YR6_RT|IND_UNKN_4
YR_TRANS_YR6_RT|IND_UNKN_2YR_TRANS_YR6_RT|FEMALE_DEATH_YR6_RT|FEMALE_COMP_ORIG_Y
R6_RT|FEMALE_COMP_4YR_TRANS_YR6_RT|FEMALE_COMP_2YR_TRANS_YR6_RT|FEMALE_WDRAW_ORI
G_YR6_RT|FEMALE_WDRAW_4YR_TRANS_YR6_RT|FEMALE_WDRAW_2YR_TRANS_YR6_RT|FEMALE_ENRL
_ORIG_YR6_RT|FEMALE_ENRL_4YR_TRANS_YR6_RT|FEMALE_ENRL_2YR_TRANS_YR6_RT|FEMALE_UN
KN_ORIG_YR6_RT|FEMALE_UNKN_4YR_TRANS_YR6_RT|FEMALE_UNKN_2YR_TRANS_YR6_RT|MALE_DE
ATH_YR6_RT|MALE_COMP_ORIG_YR6_RT|MALE_COMP_4YR_TRANS_YR6_RT|MALE_COMP_2YR_TRANS_
YR6_RT|MALE_WDRAW_ORIG_YR6_RT|MALE_WDRAW_4YR_TRANS_YR6_RT|MALE_WDRAW_2YR_TRANS_Y
R6_RT|MALE_ENRL_ORIG_YR6_RT|MALE_ENRL_4YR_TRANS_YR6_RT|MALE_ENRL_2YR_TRANS_YR6_R
T|MALE_UNKN_ORIG_YR6_RT|MALE_UNKN_4YR_TRANS_YR6_RT|MALE_UNKN_2YR_TRANS_YR6_RT|PE
LL_DEATH_YR6_RT|PELL_COMP_ORIG_YR6_RT|PELL_COMP_4YR_TRANS_YR6_RT|PELL_COMP_2YR_T
RANS_YR6_RT|PELL_WDRAW_ORIG_YR6_RT|PELL_WDRAW_4YR_TRANS_YR6_RT|PELL_WDRAW_2YR_TR
ANS_YR6_RT|PELL_ENRL_ORIG_YR6_RT|PELL_ENRL_4YR_TRANS_YR6_RT|PELL_ENRL_2YR_TRANS_
YR6_RT|PELL_UNKN_ORIG_YR6_RT|PELL_UNKN_4YR_TRANS_YR6_RT|PELL_UNKN_2YR_TRANS_YR6_
RT|NOPELL_DEATH_YR6_RT|NOPELL_COMP_ORIG_YR6_RT|NOPELL_COMP_4YR_TRANS_YR6_RT|NOPE
LL_COMP_2YR_TRANS_YR6_RT|NOPELL_WDRAW_ORIG_YR6_RT|NOPELL_WDRAW_4YR_TRANS_YR6_RT|
NOPELL_WDRAW_2YR_TRANS_YR6_RT|NOPELL_ENRL_ORIG_YR6_RT|NOPELL_ENRL_4YR_TRANS_YR6_
RT|NOPELL_ENRL_2YR_TRANS_YR6_RT|NOPELL_UNKN_ORIG_YR6_RT|NOPELL_UNKN_4YR_TRANS_YR
6_RT|NOPELL_UNKN_2YR_TRANS_YR6_RT|LOAN_DEATH_YR6_RT|LOAN_COMP_ORIG_YR6_RT|LOAN_C
OMP_4YR_TRANS_YR6_RT|LOAN_COMP_2YR_TRANS_YR6_RT|LOAN_WDRAW_ORIG_YR6_RT|LOAN_WDRA
W_4YR_TRANS_YR6_RT|LOAN_WDRAW_2YR_TRANS_YR6_RT|LOAN_ENRL_ORIG_YR6_RT|LOAN_ENRL_4
YR_TRANS_YR6_RT|LOAN_ENRL_2YR_TRANS_YR6_RT|LOAN_UNKN_ORIG_YR6_RT|LOAN_UNKN_4YR_T
RANS_YR6_RT|LOAN_UNKN_2YR_TRANS_YR6_RT|NOLOAN_DEATH_YR6_RT|NOLOAN_COMP_ORIG_YR6_
RT|NOLOAN_COMP_4YR_TRANS_YR6_RT|NOLOAN_COMP_2YR_TRANS_YR6_RT|NOLOAN_WDRAW_ORIG_Y

R6_RT|NOLOAN_WDRAW_4YR_TRANS_YR6_RT|NOLOAN_WDRAW_2YR_TRANS_YR6_RT|NOLOAN_ENRL_OR
IG_YR6_RT|NOLOAN_ENRL_4YR_TRANS_YR6_RT|NOLOAN_ENRL_2YR_TRANS_YR6_RT|NOLOAN_UNKN_
ORIG_YR6_RT|NOLOAN_UNKN_4YR_TRANS_YR6_RT|NOLOAN_UNKN_2YR_TRANS_YR6_RT|FIRSTGEN_D
EATH_YR6_RT|FIRSTGEN_COMP_ORIG_YR6_RT|FIRSTGEN_COMP_4YR_TRANS_YR6_RT|FIRSTGEN_CO
MP_2YR_TRANS_YR6_RT|FIRSTGEN_WDRAW_ORIG_YR6_RT|FIRSTGEN_WDRAW_4YR_TRANS_YR6_RT|F
IRSTGEN_WDRAW_2YR_TRANS_YR6_RT|FIRSTGEN_ENRL_ORIG_YR6_RT|FIRSTGEN_ENRL_4YR_TRANS
_YR6_RT|FIRSTGEN_ENRL_2YR_TRANS_YR6_RT|FIRSTGEN_UNKN_ORIG_YR6_RT|FIRSTGEN_UNKN_4
YR_TRANS_YR6_RT|FIRSTGEN_UNKN_2YR_TRANS_YR6_RT|NOT1STGEN_DEATH_YR6_RT|NOT1STGEN_
COMP_ORIG_YR6_RT|NOT1STGEN_COMP_4YR_TRANS_YR6_RT|NOT1STGEN_COMP_2YR_TRANS_YR6_RT
|NOT1STGEN_WDRAW_ORIG_YR6_RT|NOT1STGEN_WDRAW_4YR_TRANS_YR6_RT|NOT1STGEN_WDRAW_2Y
R_TRANS_YR6_RT|NOT1STGEN_ENRL_ORIG_YR6_RT|NOT1STGEN_ENRL_4YR_TRANS_YR6_RT|NOT1ST
GEN_ENRL_2YR_TRANS_YR6_RT|NOT1STGEN_UNKN_ORIG_YR6_RT|NOT1STGEN_UNKN_4YR_TRANS_YR
6_RT|NOT1STGEN_UNKN_2YR_TRANS_YR6_RT| DEATH_YR8_RT|COMP_ORIG_YR8_RT|COMP_4YR
_TRANS_YR8_RT|COMP_2YR_TRANS_YR8_RT|WDRAW_ORIG_YR8_RT|WDRAW_4YR_TRANS_YR8_RT|WDR
AW_2YR_TRANS_YR8_RT|
ENRL_ORIG_YR8_RT|ENRL_4YR_TRANS_YR8_RT|ENRL_2YR_TRANS_YR8_RT| UNKN_ORIG_YR8_RT|U
NKN_4YR_TRANS_YR8_RT|UNKN_2YR_TRANS_YR8_RT|LO_INC_DEATH_YR8_RT|LO_INC_COMP_ORIG_
YR8_RT|LO_INC_COMP_4YR_TRANS_YR8_RT|LO_INC_COMP_2YR_TRANS_YR8_RT|LO_INC_WDRAW_OR
IG_YR8_RT|LO_INC_WDRAW_4YR_TRANS_YR8_RT|LO_INC_WDRAW_2YR_TRANS_YR8_RT|LO_INC_ENR
L_ORIG_YR8_RT|LO_INC_ENRL_4YR_TRANS_YR8_RT|LO_INC_ENRL_2YR_TRANS_YR8_RT|LO_INC_U
NKN_ORIG_YR8_RT|LO_INC_UNKN_4YR_TRANS_YR8_RT|LO_INC_UNKN_2YR_TRANS_YR8_RT|MD_INC
_DEATH_YR8_RT|MD_INC_COMP_ORIG_YR8_RT|MD_INC_COMP_4YR_TRANS_YR8_RT|MD_INC_COMP_2
YR_TRANS_YR8_RT|MD_INC_WDRAW_ORIG_YR8_RT|MD_INC_WDRAW_4YR_TRANS_YR8_RT|MD_INC_WD
RAW_2YR_TRANS_YR8_RT|MD_INC_ENRL_ORIG_YR8_RT|MD_INC_ENRL_4YR_TRANS_YR8_RT|MD_INC
_ENRL_2YR_TRANS_YR8_RT|MD_INC_UNKN_ORIG_YR8_RT|MD_INC_UNKN_4YR_TRANS_YR8_RT|MD_I
NC_UNKN_2YR_TRANS_YR8_RT|HI_INC_DEATH_YR8_RT|HI_INC_COMP_ORIG_YR8_RT|HI_INC_COMP
_4YR_TRANS_YR8_RT|HI_INC_COMP_2YR_TRANS_YR8_RT|HI_INC_WDRAW_ORIG_YR8_RT|HI_INC_W
DRAW_4YR_TRANS_YR8_RT|HI_INC_WDRAW_2YR_TRANS_YR8_RT|HI_INC_ENRL_ORIG_YR8_RT|HI_I
NC_ENRL_4YR_TRANS_YR8_RT|HI_INC_ENRL_2YR_TRANS_YR8_RT|HI_INC_UNKN_ORIG_YR8_RT|HI
_INC_UNKN_4YR_TRANS_YR8_RT|HI_INC_UNKN_2YR_TRANS_YR8_RT| DEP_DEATH_YR8_RT|DEP_CO
MP_ORIG_YR8_RT|DEP_COMP_4YR_TRANS_YR8_RT|DEP_COMP_2YR_TRANS_YR8_RT|DEP_WDRAW_ORI
G_YR8_RT|DEP_WDRAW_4YR_TRANS_YR8_RT|DEP_WDRAW_2YR_TRANS_YR8_RT|DEP_ENRL_ORIG_YR8
_RT|DEP_ENRL_4YR_TRANS_YR8_RT|DEP_ENRL_2YR_TRANS_YR8_RT|DEP_UNKN_ORIG_YR8_RT|DEP
_UNKN_4YR_TRANS_YR8_RT|DEP_UNKN_2YR_TRANS_YR8_RT| IND_DEATH_YR8_RT|IND_COMP_ORIG
_YR8_RT|IND_COMP_4YR_TRANS_YR8_RT|IND_COMP_2YR_TRANS_YR8_RT|IND_WDRAW_ORIG_YR8_R
T|IND_WDRAW_4YR_TRANS_YR8_RT|IND_WDRAW_2YR_TRANS_YR8_RT|IND_ENRL_ORIG_YR8_RT|IND
_ENRL_4YR_TRANS_YR8_RT|IND_ENRL_2YR_TRANS_YR8_RT|IND_UNKN_ORIG_YR8_RT|IND_UNKN_4
YR_TRANS_YR8_RT|IND_UNKN_2YR_TRANS_YR8_RT|FEMALE_DEATH_YR8_RT|FEMALE_COMP_ORIG_Y
R8_RT|FEMALE_COMP_4YR_TRANS_YR8_RT|FEMALE_COMP_2YR_TRANS_YR8_RT|FEMALE_WDRAW_ORI
G_YR8_RT|FEMALE_WDRAW_4YR_TRANS_YR8_RT|FEMALE_WDRAW_2YR_TRANS_YR8_RT|FEMALE_ENRL
_ORIG_YR8_RT|FEMALE_ENRL_4YR_TRANS_YR8_RT|FEMALE_ENRL_2YR_TRANS_YR8_RT|FEMALE_UN
KN_ORIG_YR8_RT|FEMALE_UNKN_4YR_TRANS_YR8_RT|FEMALE_UNKN_2YR_TRANS_YR8_RT|MALE_DE
ATH_YR8_RT|MALE_COMP_ORIG_YR8_RT|MALE_COMP_4YR_TRANS_YR8_RT|MALE_COMP_2YR_TRANS_
YR8_RT|MALE_WDRAW_ORIG_YR8_RT|MALE_WDRAW_4YR_TRANS_YR8_RT|MALE_WDRAW_2YR_TRANS_Y
R8_RT|MALE_ENRL_ORIG_YR8_RT|MALE_ENRL_4YR_TRANS_YR8_RT|MALE_ENRL_2YR_TRANS_YR8_R
T|MALE_UNKN_ORIG_YR8_RT|MALE_UNKN_4YR_TRANS_YR8_RT|MALE_UNKN_2YR_TRANS_YR8_RT|PE
LL_DEATH_YR8_RT|PELL_COMP_ORIG_YR8_RT|PELL_COMP_4YR_TRANS_YR8_RT|PELL_COMP_2YR_T
RANS_YR8_RT|PELL_WDRAW_ORIG_YR8_RT|PELL_WDRAW_4YR_TRANS_YR8_RT|PELL_WDRAW_2YR_TR

ANS_YR8_RT|PELL_ENRL_ORIG_YR8_RT|PELL_ENRL_4YR_TRANS_YR8_RT|PELL_ENRL_2YR_TRANS_
YR8_RT|PELL_UNKN_ORIG_YR8_RT|PELL_UNKN_4YR_TRANS_YR8_RT|PELL_UNKN_2YR_TRANS_YR8_
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LL_COMP_2YR_TRANS_YR8_RT|NOPELL_WDRAW_ORIG_YR8_RT|NOPELL_WDRAW_4YR_TRANS_YR8_RT|
NOPELL_WDRAW_2YR_TRANS_YR8_RT|NOPELL_ENRL_ORIG_YR8_RT|NOPELL_ENRL_4YR_TRANS_YR8_
RT|NOPELL_ENRL_2YR_TRANS_YR8_RT|NOPELL_UNKN_ORIG_YR8_RT|NOPELL_UNKN_4YR_TRANS_YR
8_RT|NOPELL_UNKN_2YR_TRANS_YR8_RT|LOAN_DEATH_YR8_RT|LOAN_COMP_ORIG_YR8_RT|LOAN_C
OMP_4YR_TRANS_YR8_RT|LOAN_COMP_2YR_TRANS_YR8_RT|LOAN_WDRAW_ORIG_YR8_RT|LOAN_WDRA
W_4YR_TRANS_YR8_RT|LOAN_WDRAW_2YR_TRANS_YR8_RT|LOAN_ENRL_ORIG_YR8_RT|LOAN_ENRL_4
YR_TRANS_YR8_RT|LOAN_ENRL_2YR_TRANS_YR8_RT|LOAN_UNKN_ORIG_YR8_RT|LOAN_UNKN_4YR_T
RANS_YR8_RT|LOAN_UNKN_2YR_TRANS_YR8_RT|NOLOAN_DEATH_YR8_RT|NOLOAN_COMP_ORIG_YR8_
RT|NOLOAN_COMP_4YR_TRANS_YR8_RT|NOLOAN_COMP_2YR_TRANS_YR8_RT|NOLOAN_WDRAW_ORIG_Y
R8_RT|NOLOAN_WDRAW_4YR_TRANS_YR8_RT|NOLOAN_WDRAW_2YR_TRANS_YR8_RT|NOLOAN_ENRL_OR
IG_YR8_RT|NOLOAN_ENRL_4YR_TRANS_YR8_RT|NOLOAN_ENRL_2YR_TRANS_YR8_RT|NOLOAN_UNKN_
ORIG_YR8_RT|NOLOAN_UNKN_4YR_TRANS_YR8_RT|NOLOAN_UNKN_2YR_TRANS_YR8_RT|FIRSTGEN_D
EATH_YR8_RT|FIRSTGEN_COMP_ORIG_YR8_RT|FIRSTGEN_COMP_4YR_TRANS_YR8_RT|FIRSTGEN_CO
MP_2YR_TRANS_YR8_RT|FIRSTGEN_WDRAW_ORIG_YR8_RT|FIRSTGEN_WDRAW_4YR_TRANS_YR8_RT|F
IRSTGEN_WDRAW_2YR_TRANS_YR8_RT|FIRSTGEN_ENRL_ORIG_YR8_RT|FIRSTGEN_ENRL_4YR_TRANS
_YR8_RT|FIRSTGEN_ENRL_2YR_TRANS_YR8_RT|FIRSTGEN_UNKN_ORIG_YR8_RT|FIRSTGEN_UNKN_4
YR_TRANS_YR8_RT|FIRSTGEN_UNKN_2YR_TRANS_YR8_RT|NOT1STGEN_DEATH_YR8_RT|NOT1STGEN_
COMP_ORIG_YR8_RT|NOT1STGEN_COMP_4YR_TRANS_YR8_RT|NOT1STGEN_COMP_2YR_TRANS_YR8_RT
|NOT1STGEN_WDRAW_ORIG_YR8_RT|NOT1STGEN_WDRAW_4YR_TRANS_YR8_RT|NOT1STGEN_WDRAW_2Y
R_TRANS_YR8_RT|NOT1STGEN_ENRL_ORIG_YR8_RT|NOT1STGEN_ENRL_4YR_TRANS_YR8_RT|NOT1ST
GEN_ENRL_2YR_TRANS_YR8_RT|NOT1STGEN_UNKN_ORIG_YR8_RT|NOT1STGEN_UNKN_4YR_TRANS_YR
8_RT|NOT1STGEN_UNKN_2YR_TRANS_YR8_RT| RPY_1YR_RT|COMPL_RPY_1YR_RT|NONCOM_RPY_1Y
R_RT|LO_INC_RPY_1YR_RT|MD_INC_RPY_1YR_RT|HI_INC_RPY_1YR_RT|DEP_RPY_1YR_RT|IND_RP
Y_1YR_RT|PELL_RPY_1YR_RT|NOPELL_RPY_1YR_RT|FEMALE_RPY_1YR_RT|MALE_RPY_1YR_RT|FIR
STGEN_RPY_1YR_RT|NOTFIRSTGEN_RPY_1YR_RT| RPY_3YR_RT|COMPL_RPY_3YR_RT|NONCOM_RPY
_3YR_RT|LO_INC_RPY_3YR_RT|MD_INC_RPY_3YR_RT|HI_INC_RPY_3YR_RT| DEP_RPY_3YR_RT|
IND_RPY_3YR_RT|PELL_RPY_3YR_RT|NOPELL_RPY_3YR_RT|FEMALE_RPY_3YR_RT|MALE_RPY_3YR_
RT|FIRSTGEN_RPY_3YR_RT|NOTFIRSTGEN_RPY_3YR_RT| RPY_5YR_RT|COMPL_RPY_5YR_RT|NONC
OM_RPY_5YR_RT|LO_INC_RPY_5YR_RT|MD_INC_RPY_5YR_RT|HI_INC_RPY_5YR_RT|
DEP_RPY_5YR_RT| IND_RPY_5YR_RT|PELL_RPY_5YR_RT|NOPELL_RPY_5YR_RT|FEMALE_RPY_5Y
R_RT|MALE_RPY_5YR_RT|FIRSTGEN_RPY_5YR_RT|NOTFIRSTGEN_RPY_5YR_RT| RPY_7YR_RT| CO
MPL_RPY_7YR_RT|NONCOM_RPY_7YR_RT|LO_INC_RPY_7YR_RT|MD_INC_RPY_7YR_RT|HI_INC_RPY_
7YR_RT| DEP_RPY_7YR_RT| IND_RPY_7YR_RT|PELL_RPY_7YR_RT|NOPELL_RPY_7YR_RT|FEM
ALE_RPY_7YR_RT|MALE_RPY_7YR_RT|FIRSTGEN_RPY_7YR_RT|NOTFIRSTGEN_RPY_7YR_RT|
INC_PCT_LO|DEP_STAT_PCT_IND|DEP_INC_PCT_LO|IND_INC_PCT_LO|PAR_ED_PCT_1STGEN|
INC_PCT_M1| INC_PCT_M2| INC_PCT_H1| INC_PCT_H2| DEP_INC_PCT_M1|
DEP_INC_PCT_M2| DEP_INC_PCT_H1| DEP_INC_PCT_H2| IND_INC_PCT_M1|
IND_INC_PCT_M2| IND_INC_PCT_H1| IND_INC_PCT_H2|PAR_ED_PCT_MS|PAR_ED_PCT_HS|P
AR_ED_PCT_PS|APPL_SCH_PCT_GE2|APPL_SCH_PCT_GE3|APPL_SCH_PCT_GE4|APPL_SCH_PCT_GE5
| DEP_INC_AVG| IND_INC_AVG|OVERALL_YR2_N|LO_INC_YR2_N| MD_INC_YR2_N| HI_
INC_YR2_N|DEP_YR2_N|IND_YR2_N|FEMALE_YR2_N|MALE_YR2_N|PELL_YR2_N|NOPELL_YR2_N|LO
AN_YR2_N|NOLOAN_YR2_N|FIRSTGEN_YR2_N|NOT1STGEN_YR2_N|OVERALL_YR3_N|LO_INC_YR3_N|
MD_INC_YR3_N|HI_INC_YR3_N|DEP_YR3_N|IND_YR3_N|FEMALE_YR3_N|MALE_YR3_N|PELL_YR3_N
|NOPELL_YR3_N|LOAN_YR3_N|NOLOAN_YR3_N|FIRSTGEN_YR3_N|NOT1STGEN_YR3_N|OVERALL_YR4
_N|LO_INC_YR4_N| MD_INC_YR4_N| HI_INC_YR4_N|DEP_YR4_N|IND_YR4_N|FEMALE_Y

R4_N|MALE_YR4_N|PELL_YR4_N|NOPELL_YR4_N|LOAN_YR4_N|NOLOAN_YR4_N|FIRSTGEN_YR4_N|N
OT1STGEN_YR4_N|OVERALL_YR6_N|LO_INC_YR6_N| MD_INC_YR6_N| HI_INC_YR6_N|DE
P_YR6_N|IND_YR6_N|FEMALE_YR6_N|MALE_YR6_N|PELL_YR6_N|NOPELL_YR6_N|
LOAN_YR6_N| NOLOAN_YR6_N|FIRSTGEN_YR6_N|NOT1STGEN_YR6_N|OVERALL_YR8_N|LO_INC
_YR8_N|MD_INC_YR8_N|HI_INC_YR8_N|DEP_YR8_N|IND_YR8_N|FEMALE_YR8_N|MALE_YR8_N|PEL
L_YR8_N|NOPELL_YR8_N| LOAN_YR8_N| NOLOAN_YR8_N|FIRSTGEN_YR8_N|NOT1STGE
N_YR8_N|DEBT_MDN|GRAD_DEBT_MDN|WDRAW_DEBT_MDN|LO_INC_DEBT_MDN| MD_INC_DEBT_MDN|
HI_INC_DEBT_MDN|DEP_DEBT_MDN|IND_DEBT_MDN|PELL_DEBT_MDN|NOPELL_DEBT_MDN|FEMALE_D
EBT_MDN|MALE_DEBT_MDN|FIRSTGEN_DEBT_MDN|NOTFIRSTGEN_DEBT_MDN|DEBT_N|GRAD_DEBT_N|
WDRAW_DEBT_N|LO_INC_DEBT_N|MD_INC_DEBT_N|HI_INC_DEBT_N|DEP_DEBT_N|IND_DEBT_N|PEL
L_DEBT_N|NOPELL_DEBT_N|FEMALE_DEBT_N|MALE_DEBT_N|FIRSTGEN_DEBT_N|NOTFIRSTGEN_DEB
T_N|GRAD_DEBT_MDN10YR|CUML_DEBT_N|CUML_DEBT_P90|CUML_DEBT_P75|CUML_DEBT_P25|CUML
_DEBT_P10|INC_N|DEP_INC_N|IND_INC_N|DEP_STAT_N|PAR_ED_N|APPL_SCH_N|REPAY_DT_MDN|
SEPAR_DT_MDN|REPAY_DT_N|SEPAR_DT_N|RPY_1YR_N|COMPL_RPY_1YR_N|NONCOM_RPY_1YR_N|LO
_INC_RPY_1YR_N|MD_INC_RPY_1YR_N|HI_INC_RPY_1YR_N|DEP_RPY_1YR_N|IND_RPY_1YR_N|PEL
L_RPY_1YR_N|NOPELL_RPY_1YR_N|FEMALE_RPY_1YR_N|MALE_RPY_1YR_N|FIRSTGEN_RPY_1YR_N|
NOTFIRSTGEN_RPY_1YR_N|RPY_3YR_N|COMPL_RPY_3YR_N|NONCOM_RPY_3YR_N|LO_INC_RPY_3YR_
N|MD_INC_RPY_3YR_N|HI_INC_RPY_3YR_N|DEP_RPY_3YR_N|IND_RPY_3YR_N|PELL_RPY_3YR_N|N
OPELL_RPY_3YR_N|FEMALE_RPY_3YR_N|MALE_RPY_3YR_N|FIRSTGEN_RPY_3YR_N|NOTFIRSTGEN_R
PY_3YR_N|RPY_5YR_N|COMPL_RPY_5YR_N|NONCOM_RPY_5YR_N|LO_INC_RPY_5YR_N|MD_INC_RPY_
5YR_N|HI_INC_RPY_5YR_N|DEP_RPY_5YR_N|IND_RPY_5YR_N|PELL_RPY_5YR_N|NOPELL_RPY_5YR
_N|FEMALE_RPY_5YR_N|MALE_RPY_5YR_N|FIRSTGEN_RPY_5YR_N|NOTFIRSTGEN_RPY_5YR_N|RPY_
7YR_N|COMPL_RPY_7YR_N|NONCOM_RPY_7YR_N|LO_INC_RPY_7YR_N|MD_INC_RPY_7YR_N|HI_INC_
RPY_7YR_N|DEP_RPY_7YR_N|IND_RPY_7YR_N|PELL_RPY_7YR_N|NOPELL_RPY_7YR_N|FEMALE_RPY
_7YR_N|MALE_RPY_7YR_N|FIRSTGEN_RPY_7YR_N|NOTFIRSTGEN_RPY_7YR_N|COUNT_ED|
LOAN_EVER| PELL_EVER| AGE_ENTRY|AGE_ENTRY_SQ|AGEGE24| FEMALE|
MARRIED| DEPENDENT| VETERAN| FIRST_GEN| FAMINC|MD_FAMINC| FAM
INC_IND|LNFAMINC|LNFAMINC_IND|PCT_WHITE|PCT_BLACK|PCT_ASIAN|PCT_HISPANIC|PCT_BA|
PCT_GRAD_PROF|PCT_BORN_US|MEDIAN_HH_INC|POVERTY_RATE|UNEMP_RATE|LN_MEDIAN_HH_INC
|FSEND_COUNT|FSEND_1|FSEND_2|FSEND_3|FSEND_4|FSEND_5|COUNT_NWNE_P10|COUNT_WNE_P1
0|MN_EARN_WNE_P10|MD_EARN_WNE_P10|PCT10_EARN_WNE_P10|PCT25_EARN_WNE_P10|PCT75_EA
RN_WNE_P10|PCT90_EARN_WNE_P10|SD_EARN_WNE_P10|COUNT_WNE_INC1_P10|COUNT_WNE_INC2_
P10|COUNT_WNE_INC3_P10|COUNT_WNE_INDEP0_INC1_P10|COUNT_WNE_INDEP0_P10|COUNT_WNE_
INDEP1_P10|COUNT_WNE_MALE0_P10|COUNT_WNE_MALE1_P10|GT_25K_P10|MN_EARN_WNE_INC1_P
10|MN_EARN_WNE_INC2_P10|MN_EARN_WNE_INC3_P10|MN_EARN_WNE_INDEP0_INC1_P10|MN_EARN
_WNE_INDEP0_P10|MN_EARN_WNE_INDEP1_P10|MN_EARN_WNE_MALE0_P10|MN_EARN_WNE_MALE1_P
10|COUNT_NWNE_P6|COUNT_WNE_P6|MN_EARN_WNE_P6|MD_EARN_WNE_P6|PCT10_EARN_WNE_P6|PC
T25_EARN_WNE_P6|PCT75_EARN_WNE_P6|PCT90_EARN_WNE_P6|SD_EARN_WNE_P6|COUNT_WNE_INC
1_P6|COUNT_WNE_INC2_P6|COUNT_WNE_INC3_P6|COUNT_WNE_INDEP0_INC1_P6|COUNT_WNE_INDE
P0_P6|COUNT_WNE_INDEP1_P6|COUNT_WNE_MALE0_P6|COUNT_WNE_MALE1_P6|GT_25K_P6|MN_EAR
N_WNE_INC1_P6|MN_EARN_WNE_INC2_P6|MN_EARN_WNE_INC3_P6|MN_EARN_WNE_INDEP0_INC1_P6
|MN_EARN_WNE_INDEP0_P6|MN_EARN_WNE_INDEP1_P6|MN_EARN_WNE_MALE0_P6|MN_EARN_WNE_MA
LE1_P6|COUNT_NWNE_P7|COUNT_WNE_P7|MN_EARN_WNE_P7|SD_EARN_WNE_P7|GT_25K_P7|COUNT_
NWNE_P8|COUNT_WNE_P8|MN_EARN_WNE_P8|MD_EARN_WNE_P8|PCT10_EARN_WNE_P8|PCT25_EARN_
WNE_P8|PCT75_EARN_WNE_P8|PCT90_EARN_WNE_P8|SD_EARN_WNE_P8|GT_25K_P8|COUNT_NWNE_P
9|COUNT_WNE_P9|MN_EARN_WNE_P9|SD_EARN_WNE_P9|GT_25K_P9|DEBT_MDN_SUPP|GRAD_DEBT_M
DN_SUPP|GRAD_DEBT_MDN10YR_SUPP|RPY_3YR_RT_SUPP|LO_INC_RPY_3YR_RT_SUPP|MD_INC_RPY
_3YR_RT_SUPP|HI_INC_RPY_3YR_RT_SUPP|COMPL_RPY_3YR_RT_SUPP|NONCOM_RPY_3YR_RT_SUPP

|DEP_RPY_3YR_RT_SUPP|IND_RPY_3YR_RT_SUPP|PELL_RPY_3YR_RT_SUPP|NOPELL_RPY_3YR_RT_
SUPP|FEMALE_RPY_3YR_RT_SUPP|MALE_RPY_3YR_RT_SUPP|FIRSTGEN_RPY_3YR_RT_SUPP|NOTFIR
STGEN_RPY_3YR_RT_SUPP|C150_L4_POOLED_SUPP|C150_4_POOLED_SUPP|C200_L4_POOLED_SUPP
|C200_4_POOLED_SUPP| ALIAS|C100_4|D100_4|C100_L4|D100_L4|TRANS_4|D
TRANS_4|TRANS_L4|DTRANS_L4|ICLEVEL|UGDS_MEN|UGDS_WOMEN|CDR3_DENOM|CDR2_DENOM|T4A
PPROVALDATE|D150_4_WHITE|D150_4_BLACK|D150_4_HISP|D150_4_ASIAN|D150_4_AIAN|D150_
4_NHPI|D150_4_2MOR|D150_4_NRA|D150_4_UNKN|D150_4_WHITENH|D150_4_BLACKNH|D150_4_A
PI|D150_4_AIANOLD|D150_4_HISPOLD|D150_L4_WHITE|D150_L4_BLACK|D150_L4_HISP|D150_L
4_ASIAN|D150_L4_AIAN|D150_L4_NHPI|D150_L4_2MOR|D150_L4_NRA|D150_L4_UNKN|D150_L4_
WHITENH|D150_L4_BLACKNH|D150_L4_API|D150_L4_AIANOLD|D150_L4_HISPOLD|D_PCTPELL_PC
TFLOAN|OPENADMP|UGNONDS|GRADS|ACCREDCODE|OMACHT6_FTFT|OMAWDP6_FTFT|OMACHT8_FTFT|
OMAWDP8_FTFT|OMENRYP8_FTFT|OMENRAP8_FTFT|OMENRUP8_FTFT|OMACHT6_PTFT|OMAWDP6_PTFT
|OMACHT8_PTFT|OMAWDP8_PTFT|OMENRYP8_PTFT|OMENRAP8_PTFT|OMENRUP8_PTFT|OMACHT6_FTN
FT|OMAWDP6_FTNFT|OMACHT8_FTNFT|OMAWDP8_FTNFT|OMENRYP8_FTNFT|OMENRAP8_FTNFT|OMENR
UP8_FTNFT|OMACHT6_PTNFT|OMAWDP6_PTNFT|OMACHT8_PTNFT|OMAWDP8_PTNFT|OMENRYP8_PTNFT
|OMENRAP8_PTNFT|OMENRUP8_PTNFT|RET_FT4_POOLED|RET_FTL4_POOLED|RET_PT4_POOLED|RET
_PTL4_POOLED|RET_FT_DEN4_POOLED|RET_FT_DENL4_POOLED|RET_PT_DEN4_POOLED|RET_PT_DE
NL4_POOLED|POOLYRSRET_FT|POOLYRSRET_PT|RET_FT4_POOLED_SUPP|RET_FTL4_POOLED_SUPP|
RET_PT4_POOLED_SUPP|RET_PTL4_POOLED_SUPP|TRANS_4_POOLED|TRANS_L4_POOLED|DTRANS_4
_POOLED|DTRANS_L4_POOLED|TRANS_4_POOLED_SUPP|TRANS_L4_POOLED_SUPP|C100_4_POOLED|
C100_L4_POOLED|D100_4_POOLED|D100_L4_POOLED|POOLYRS100|C100_4_POOLED_SUPP|C100_L
4_POOLED_SUPP|C150_4_PELL|D150_4_PELL|C150_L4_PELL|D150_L4_PELL|C150_4_LOANNOPEL
L|D150_4_LOANNOPELL|C150_L4_LOANNOPELL|D150_L4_LOANNOPELL|C150_4_NOLOANNOPELL|D1
50_4_NOLOANNOPELL|C150_L4_NOLOANNOPELL|D150_L4_NOLOANNOPELL|GT_28K_P10|GT_28K_P8
|GT_28K_P6|OMACHT6_FTFT_POOLED|OMAWDP6_FTFT_POOLED|OMACHT8_FTFT_POOLED|OMAWDP8_F
TFT_POOLED|OMENRYP8_FTFT_POOLED|OMENRAP8_FTFT_POOLED|OMENRUP8_FTFT_POOLED|OMACHT
6_PTFT_POOLED|OMAWDP6_PTFT_POOLED|OMACHT8_PTFT_POOLED|OMAWDP8_PTFT_POOLED|OMENRY
P8_PTFT_POOLED|OMENRAP8_PTFT_POOLED|OMENRUP8_PTFT_POOLED|OMACHT6_FTNFT_POOLED|OM
AWDP6_FTNFT_POOLED|OMACHT8_FTNFT_POOLED|OMAWDP8_FTNFT_POOLED|OMENRYP8_FTNFT_POOL
ED|OMENRAP8_FTNFT_POOLED|OMENRUP8_FTNFT_POOLED|OMACHT6_PTNFT_POOLED|OMAWDP6_PTNF
T_POOLED|OMACHT8_PTNFT_POOLED|OMAWDP8_PTNFT_POOLED|OMENRYP8_PTNFT_POOLED|OMENRAP
8_PTNFT_POOLED|OMENRUP8_PTNFT_POOLED|POOLYRSOM_FTFT|POOLYRSOM_PTFT|POOLYRSOM_FTN
FT|POOLYRSOM_PTNFT|OMAWDP6_FTFT_POOLED_SUPP|OMAWDP8_FTFT_POOLED_SUPP|OMENRYP8_FT
FT_POOLED_SUPP|OMENRAP8_FTFT_POOLED_SUPP|OMENRUP8_FTFT_POOLED_SUPP|OMAWDP6_PTFT_
POOLED_SUPP|OMAWDP8_PTFT_POOLED_SUPP|OMENRYP8_PTFT_POOLED_SUPP|OMENRAP8_PTFT_POO
LED_SUPP|OMENRUP8_PTFT_POOLED_SUPP|OMAWDP6_FTNFT_POOLED_SUPP|OMAWDP8_FTNFT_POOLE
D_SUPP|OMENRYP8_FTNFT_POOLED_SUPP|OMENRAP8_FTNFT_POOLED_SUPP|OMENRUP8_FTNFT_POOL
ED_SUPP|OMAWDP6_PTNFT_POOLED_SUPP|OMAWDP8_PTNFT_POOLED_SUPP|OMENRYP8_PTNFT_POOLE
D_SUPP|OMENRAP8_PTNFT_POOLED_SUPP|OMENRUP8_PTNFT_POOLED_SUPP|SCHTYPE|OPEFLAG|PRG
MOFR|CIPCODE1|CIPCODE2|CIPCODE3|CIPCODE4|CIPCODE5|CIPCODE6|CIPTITLE1|CIPTITLE2|C
IPTITLE3|CIPTITLE4|CIPTITLE5|CIPTITLE6|CIPTFBS1|CIPTFBS2|CIPTFBS3|CIPTFBS4|CIPTF
BS5|CIPTFBS6|CIPTFBSANNUAL1|CIPTFBSANNUAL2|CIPTFBSANNUAL3|CIPTFBSANNUAL4|CIPTFBS
ANNUAL5|CIPTFBSANNUAL6|MTHCMP1|MTHCMP2|MTHCMP3|MTHCMP4|MTHCMP5|MTHCMP6|POOLYRSOM
_ALL|POOLYRSOM_FIRSTTIME|POOLYRSOM_NOTFIRSTTIME|POOLYRSOM_FULLTIME|POOLYRSOM_PAR
TTIME|OMENRYP_ALL|OMENRAP_ALL|OMAWDP8_ALL|OMENRUP_ALL|OMENRYP_FIRSTTIME|OMENRAP_
FIRSTTIME|OMAWDP8_FIRSTTIME|OMENRUP_FIRSTTIME|OMENRYP_NOTFIRSTTIME|OMENRAP_NOTFI
RSTTIME|OMAWDP8_NOTFIRSTTIME|OMENRUP_NOTFIRSTTIME|OMENRYP_FULLTIME|OMENRAP_FULLT
IME|OMAWDP8_FULLTIME|OMENRUP_FULLTIME|OMENRYP_PARTTIME|OMENRAP_PARTTIME|OMAWDP8_

PARTTIME|OMENRUP_PARTTIME|OMENRYP_ALL_POOLED_SUPP|OMENRAP_ALL_POOLED_SUPP|OMAWDP
8_ALL_POOLED_SUPP|OMENRUP_ALL_POOLED_SUPP|OMENRYP_FIRSTTIME_POOLED_SUPP|OMENRAP_
FIRSTTIME_POOLED_SUPP|OMAWDP8_FIRSTTIME_POOLED_SUPP|OMENRUP_FIRSTTIME_POOLED_SUP
P|OMENRYP_NOTFIRSTTIME_POOLED_SUPP|OMENRAP_NOTFIRSTTIME_POOLED_SUPP|OMAWDP8_NOTF
IRSTTIME_POOLED_SUPP|OMENRUP_NOTFIRSTTIME_POOLED_SUPP|OMENRYP_FULLTIME_POOLED_SU
PP|OMENRAP_FULLTIME_POOLED_SUPP|OMAWDP8_FULLTIME_POOLED_SUPP|OMENRUP_FULLTIME_PO
OLED_SUPP|OMENRYP_PARTTIME_POOLED_SUPP|OMENRAP_PARTTIME_POOLED_SUPP|OMAWDP8_PART
TIME_POOLED_SUPP|OMENRUP_PARTTIME_POOLED_SUPP|FTFTPCTPELL|FTFTPCTFLOAN|UG12MN|G1
2MN|SCUGFFN|POOLYRS_FTFTAIDPCT|FTFTPCTPELL_POOLED_SUPP|FTFTPCTFLOAN_POOLED_SUPP|
SCUGFFN_POOLED|PPLUS_PCT_LOW|PPLUS_PCT_HIGH|PPLUS_PCT_LOW_POOLED_SUPP|PPLUS_PCT_
HIGH_POOLED_SUPP|POOLYRS_PLUSPCT|PLUS_DEBT_INST_N|PLUS_DEBT_INST_MD|PLUS_DEBT_AL
L_N|PLUS_DEBT_ALL_MD|PLUS_DEBT_INST_COMP_N|PLUS_DEBT_INST_COMP_MD|PLUS_DEBT_INST
_COMP_MDPAY10|PLUS_DEBT_INST_COMP_MD_SUPP|PLUS_DEBT_INST_COMP_MDPAY10_SUPP|PLUS_
DEBT_ALL_COMP_N|PLUS_DEBT_ALL_COMP_MD|PLUS_DEBT_ALL_COMP_MDPAY10|PLUS_DEBT_ALL_C
OMP_MD_SUPP|PLUS_DEBT_ALL_COMP_MDPAY10_SUPP|PLUS_DEBT_INST_NOCOMP_N|PLUS_DEBT_IN
ST_NOCOMP_MD|PLUS_DEBT_ALL_NOCOMP_N|PLUS_DEBT_ALL_NOCOMP_MD|PLUS_DEBT_INST_MALE_
N|PLUS_DEBT_INST_MALE_MD|PLUS_DEBT_ALL_MALE_N|PLUS_DEBT_ALL_MALE_MD|PLUS_DEBT_IN
ST_NOMALE_N|PLUS_DEBT_INST_NOMALE_MD|PLUS_DEBT_ALL_NOMALE_N|PLUS_DEBT_ALL_NOMALE
_MD|PLUS_DEBT_INST_PELL_N|PLUS_DEBT_INST_PELL_MD|PLUS_DEBT_ALL_PELL_N|PLUS_DEBT_
ALL_PELL_MD|PLUS_DEBT_INST_NOPELL_N|PLUS_DEBT_INST_NOPELL_MD|PLUS_DEBT_ALL_NOPEL
L_N|PLUS_DEBT_ALL_NOPELL_MD|PLUS_DEBT_INST_STAFFTHIS_N|PLUS_DEBT_INST_STAFFTHIS_
MD|PLUS_DEBT_ALL_STAFFTHIS_N|PLUS_DEBT_ALL_STAFFTHIS_MD|PLUS_DEBT_INST_NOSTAFFTH
IS_N|PLUS_DEBT_INST_NOSTAFFTHIS_MD|PLUS_DEBT_ALL_NOSTAFFTHIS_N|PLUS_DEBT_ALL_NOS
TAFFTHIS_MD|PLUS_DEBT_INST_STAFFANY_N|PLUS_DEBT_INST_STAFFANY_MD|PLUS_DEBT_ALL_S
TAFFANY_N|PLUS_DEBT_ALL_STAFFANY_MD|PLUS_DEBT_INST_NOSTAFFANY_N|PLUS_DEBT_INST_N
OSTAFFANY_MD|PLUS_DEBT_ALL_NOSTAFFANY_N|PLUS_DEBT_ALL_NOSTAFFANY_MD|COUNT_NWNE_3
YR|COUNT_WNE_3YR|CNTOVER150_3YR|DBRR1_FED_UG_N|DBRR1_FED_UG_NUM|DBRR1_FED_UG_DEN
|DBRR1_FED_UG_RT|DBRR1_FED_GR_N|DBRR1_FED_GR_NUM|DBRR1_FED_GR_DEN|DBRR1_FED_GR_R
T|DBRR1_FED_UGCOMP_N|DBRR1_FED_UGCOMP_NUM|DBRR1_FED_UGCOMP_DEN|DBRR1_FED_UGCOMP_
RT|DBRR1_FED_UGNOCOMP_N|DBRR1_FED_UGNOCOMP_NUM|DBRR1_FED_UGNOCOMP_DEN|DBRR1_FED_
UGNOCOMP_RT|DBRR1_FED_UGUNK_N|DBRR1_FED_UGUNK_NUM|DBRR1_FED_UGUNK_DEN|DBRR1_FED_
UGUNK_RT|DBRR1_FED_GRCOMP_N|DBRR1_FED_GRCOMP_NUM|DBRR1_FED_GRCOMP_DEN|DBRR1_FED_
GRCOMP_RT|DBRR1_FED_GRNOCOMP_N|DBRR1_FED_GRNOCOMP_NUM|DBRR1_FED_GRNOCOMP_DEN|DBR
R1_FED_GRNOCOMP_RT|DBRR4_FED_UG_N|DBRR4_FED_UG_NUM|DBRR4_FED_UG_DEN|DBRR4_FED_UG
_RT|DBRR4_FED_GR_N|DBRR4_FED_GR_NUM|DBRR4_FED_GR_DEN|DBRR4_FED_GR_RT|DBRR4_FED_U
GCOMP_N|DBRR4_FED_UGCOMP_NUM|DBRR4_FED_UGCOMP_DEN|DBRR4_FED_UGCOMP_RT|DBRR4_FED_
UGNOCOMP_N|DBRR4_FED_UGNOCOMP_NUM|DBRR4_FED_UGNOCOMP_DEN|DBRR4_FED_UGNOCOMP_RT|D
BRR4_FED_UGUNK_N|DBRR4_FED_UGUNK_NUM|DBRR4_FED_UGUNK_DEN|DBRR4_FED_UGUNK_RT|DBRR
5_FED_UG_N|DBRR5_FED_UG_NUM|DBRR5_FED_UG_DEN|DBRR5_FED_UG_RT|DBRR5_FED_GR_N|DBRR
5_FED_GR_NUM|DBRR5_FED_GR_DEN|DBRR5_FED_GR_RT|DBRR10_FED_UG_N|DBRR10_FED_UG_NUM|
DBRR10_FED_UG_DEN|DBRR10_FED_UG_RT|DBRR10_FED_GR_N|DBRR10_FED_GR_NUM|DBRR10_FED_
GR_DEN|DBRR10_FED_GR_RT|DBRR20_FED_UG_N|DBRR20_FED_UG_NUM|DBRR20_FED_UG_DEN|DBRR
20_FED_UG_RT|DBRR20_FED_GR_N|DBRR20_FED_GR_NUM|DBRR20_FED_GR_DEN|DBRR20_FED_GR_R
T|DBRR1_PP_UG_N|DBRR1_PP_UG_NUM|DBRR1_PP_UG_DEN|DBRR1_PP_UG_RT|DBRR1_PP_UGCOMP_N
|DBRR1_PP_UGCOMP_NUM|DBRR1_PP_UGCOMP_DEN|DBRR1_PP_UGCOMP_RT|DBRR1_PP_UGNOCOMP_N|
DBRR1_PP_UGNOCOMP_NUM|DBRR1_PP_UGNOCOMP_DEN|DBRR1_PP_UGNOCOMP_RT|DBRR1_PP_UGUNK_
N|DBRR1_PP_UGUNK_NUM|DBRR1_PP_UGUNK_DEN|DBRR1_PP_UGUNK_RT|DBRR4_PP_UG_N|DBRR4_PP
_UG_NUM|DBRR4_PP_UG_DEN|DBRR4_PP_UG_RT|DBRR4_PP_UGCOMP_N|DBRR4_PP_UGCOMP_NUM|DBR

R4_PP_UGCOMP_DEN|DBRR4_PP_UGCOMP_RT|DBRR4_PP_UGNOCOMP_N|DBRR4_PP_UGNOCOMP_NUM|DB
RR4_PP_UGNOCOMP_DEN|DBRR4_PP_UGNOCOMP_RT|DBRR4_PP_UGUNK_N|DBRR4_PP_UGUNK_NUM|DBR
R4_PP_UGUNK_DEN|DBRR4_PP_UGUNK_RT|DBRR5_PP_UG_N|DBRR5_PP_UG_NUM|DBRR5_PP_UG_DEN|
DBRR5_PP_UG_RT|DBRR10_PP_UG_N|DBRR10_PP_UG_NUM|DBRR10_PP_UG_DEN|DBRR10_PP_UG_RT|
DBRR20_PP_UG_N|DBRR20_PP_UG_NUM|DBRR20_PP_UG_DEN|DBRR20_PP_UG_RT|BBRR1_FED_UG_N|
BBRR1_FED_UG_DFLT|BBRR1_FED_UG_DLNQ|BBRR1_FED_UG_FBR|BBRR1_FED_UG_DFR|BBRR1_FED_
UG_NOPROG|BBRR1_FED_UG_MAKEPROG|BBRR1_FED_UG_PAIDINFULL|BBRR1_FED_UG_DISCHARGE|B
BRR1_FED_UGCOMP_N|BBRR1_FED_UGCOMP_DFLT|BBRR1_FED_UGCOMP_DLNQ|BBRR1_FED_UGCOMP_F
BR|BBRR1_FED_UGCOMP_DFR|BBRR1_FED_UGCOMP_NOPROG|BBRR1_FED_UGCOMP_MAKEPROG|BBRR1_
FED_UGCOMP_PAIDINFULL|BBRR1_FED_UGCOMP_DISCHARGE|BBRR1_FED_UGNOCOMP_N|BBRR1_FED_
UGNOCOMP_DFLT|BBRR1_FED_UGNOCOMP_DLNQ|BBRR1_FED_UGNOCOMP_FBR|BBRR1_FED_UGNOCOMP_
DFR|BBRR1_FED_UGNOCOMP_NOPROG|BBRR1_FED_UGNOCOMP_MAKEPROG|BBRR1_FED_UGNOCOMP_PAI
DINFULL|BBRR1_FED_UGNOCOMP_DISCHARGE|BBRR1_FED_UGUNK_N|BBRR1_FED_UGUNK_DFLT|BBRR
1_FED_UGUNK_DLNQ|BBRR1_FED_UGUNK_FBR|BBRR1_FED_UGUNK_DFR|BBRR1_FED_UGUNK_NOPROG|
BBRR1_FED_UGUNK_MAKEPROG|BBRR1_FED_UGUNK_PAIDINFULL|BBRR1_FED_UGUNK_DISCHARGE|BB
RR1_FED_GR_N|BBRR1_FED_GR_DFLT|BBRR1_FED_GR_DLNQ|BBRR1_FED_GR_FBR|BBRR1_FED_GR_D
FR|BBRR1_FED_GR_NOPROG|BBRR1_FED_GR_MAKEPROG|BBRR1_FED_GR_PAIDINFULL|BBRR1_FED_G
R_DISCHARGE|BBRR1_FED_GRCOMP_N|BBRR1_FED_GRCOMP_DFLT|BBRR1_FED_GRCOMP_DLNQ|BBRR1
_FED_GRCOMP_FBR|BBRR1_FED_GRCOMP_DFR|BBRR1_FED_GRCOMP_NOPROG|BBRR1_FED_GRCOMP_MA
KEPROG|BBRR1_FED_GRCOMP_PAIDINFULL|BBRR1_FED_GRCOMP_DISCHARGE|BBRR1_FED_GRNOCOMP
_N|BBRR1_FED_GRNOCOMP_DFLT|BBRR1_FED_GRNOCOMP_DLNQ|BBRR1_FED_GRNOCOMP_FBR|BBRR1_
FED_GRNOCOMP_DFR|BBRR1_FED_GRNOCOMP_NOPROG|BBRR1_FED_GRNOCOMP_MAKEPROG|BBRR1_FED
_GRNOCOMP_PAIDINFULL|BBRR1_FED_GRNOCOMP_DISCHARGE|BBRR1_PP_UG_N|BBRR1_PP_UG_DFLT
|BBRR1_PP_UG_DLNQ|BBRR1_PP_UG_FBR|BBRR1_PP_UG_DFR|BBRR1_PP_UG_NOPROG|BBRR1_PP_UG
_MAKEPROG|BBRR1_PP_UG_PAIDINFULL|BBRR1_PP_UG_DISCHARGE|BBRR1_PP_UGCOMP_N|BBRR1_P
P_UGCOMP_DFLT|BBRR1_PP_UGCOMP_DLNQ|BBRR1_PP_UGCOMP_FBR|BBRR1_PP_UGCOMP_DFR|BBRR1
_PP_UGCOMP_NOPROG|BBRR1_PP_UGCOMP_MAKEPROG|BBRR1_PP_UGCOMP_PAIDINFULL|BBRR1_PP_U
GCOMP_DISCHARGE|BBRR1_PP_UGNOCOMP_N|BBRR1_PP_UGNOCOMP_DFLT|BBRR1_PP_UGNOCOMP_DLN
Q|BBRR1_PP_UGNOCOMP_FBR|BBRR1_PP_UGNOCOMP_DFR|BBRR1_PP_UGNOCOMP_NOPROG|BBRR1_PP_
UGNOCOMP_MAKEPROG|BBRR1_PP_UGNOCOMP_PAIDINFULL|BBRR1_PP_UGNOCOMP_DISCHARGE|BBRR1
_PP_UGUNK_N|BBRR1_PP_UGUNK_DFLT|BBRR1_PP_UGUNK_DLNQ|BBRR1_PP_UGUNK_FBR|BBRR1_PP_
UGUNK_DFR|BBRR1_PP_UGUNK_NOPROG|BBRR1_PP_UGUNK_MAKEPROG|BBRR1_PP_UGUNK_PAIDINFUL
L|BBRR1_PP_UGUNK_DISCHARGE|BBRR2_FED_UG_N|BBRR2_FED_UG_DFLT|BBRR2_FED_UG_DLNQ|BB
RR2_FED_UG_FBR|BBRR2_FED_UG_DFR|BBRR2_FED_UG_NOPROG|BBRR2_FED_UG_MAKEPROG|BBRR2_
FED_UG_PAIDINFULL|BBRR2_FED_UG_DISCHARGE|BBRR2_FED_UGCOMP_N|BBRR2_FED_UGCOMP_DFL
T|BBRR2_FED_UGCOMP_DLNQ|BBRR2_FED_UGCOMP_FBR|BBRR2_FED_UGCOMP_DFR|BBRR2_FED_UGCO
MP_NOPROG|BBRR2_FED_UGCOMP_MAKEPROG|BBRR2_FED_UGCOMP_PAIDINFULL|BBRR2_FED_UGCOMP
_DISCHARGE|BBRR2_FED_UGNOCOMP_N|BBRR2_FED_UGNOCOMP_DFLT|BBRR2_FED_UGNOCOMP_DLNQ|
BBRR2_FED_UGNOCOMP_FBR|BBRR2_FED_UGNOCOMP_DFR|BBRR2_FED_UGNOCOMP_NOPROG|BBRR2_FE
D_UGNOCOMP_MAKEPROG|BBRR2_FED_UGNOCOMP_PAIDINFULL|BBRR2_FED_UGNOCOMP_DISCHARGE|B
BRR2_FED_UGUNK_N|BBRR2_FED_UGUNK_DFLT|BBRR2_FED_UGUNK_DLNQ|BBRR2_FED_UGUNK_FBR|B
BRR2_FED_UGUNK_DFR|BBRR2_FED_UGUNK_NOPROG|BBRR2_FED_UGUNK_MAKEPROG|BBRR2_FED_UGU
NK_PAIDINFULL|BBRR2_FED_UGUNK_DISCHARGE|BBRR2_FED_GR_N|BBRR2_FED_GR_DFLT|BBRR2_F
ED_GR_DLNQ|BBRR2_FED_GR_FBR|BBRR2_FED_GR_DFR|BBRR2_FED_GR_NOPROG|BBRR2_FED_GR_MA
KEPROG|BBRR2_FED_GR_PAIDINFULL|BBRR2_FED_GR_DISCHARGE|BBRR2_FED_GRCOMP_N|BBRR2_F
ED_GRCOMP_DFLT|BBRR2_FED_GRCOMP_DLNQ|BBRR2_FED_GRCOMP_FBR|BBRR2_FED_GRCOMP_DFR|B
BRR2_FED_GRCOMP_NOPROG|BBRR2_FED_GRCOMP_MAKEPROG|BBRR2_FED_GRCOMP_PAIDINFULL|BBR
R2_FED_GRCOMP_DISCHARGE|BBRR2_FED_GRNOCOMP_N|BBRR2_FED_GRNOCOMP_DFLT|BBRR2_FED_G

RNOCOMP_DLNQ|BBRR2_FED_GRNOCOMP_FBR|BBRR2_FED_GRNOCOMP_DFR|BBRR2_FED_GRNOCOMP_NO
PROG|BBRR2_FED_GRNOCOMP_MAKEPROG|BBRR2_FED_GRNOCOMP_PAIDINFULL|BBRR2_FED_GRNOCOM
P_DISCHARGE|BBRR2_PP_UG_N|BBRR2_PP_UG_DFLT|BBRR2_PP_UG_DLNQ|BBRR2_PP_UG_FBR|BBRR
2_PP_UG_DFR|BBRR2_PP_UG_NOPROG|BBRR2_PP_UG_MAKEPROG|BBRR2_PP_UG_PAIDINFULL|BBRR2
_PP_UG_DISCHARGE|BBRR2_PP_UGCOMP_N|BBRR2_PP_UGCOMP_DFLT|BBRR2_PP_UGCOMP_DLNQ|BBR
R2_PP_UGCOMP_FBR|BBRR2_PP_UGCOMP_DFR|BBRR2_PP_UGCOMP_NOPROG|BBRR2_PP_UGCOMP_MAKE
PROG|BBRR2_PP_UGCOMP_PAIDINFULL|BBRR2_PP_UGCOMP_DISCHARGE|BBRR2_PP_UGNOCOMP_N|BB
RR2_PP_UGNOCOMP_DFLT|BBRR2_PP_UGNOCOMP_DLNQ|BBRR2_PP_UGNOCOMP_FBR|BBRR2_PP_UGNOC
OMP_DFR|BBRR2_PP_UGNOCOMP_NOPROG|BBRR2_PP_UGNOCOMP_MAKEPROG|BBRR2_PP_UGNOCOMP_PA
IDINFULL|BBRR2_PP_UGNOCOMP_DISCHARGE|BBRR2_PP_UGUNK_N|BBRR2_PP_UGUNK_DFLT|BBRR2_
PP_UGUNK_DLNQ|BBRR2_PP_UGUNK_FBR|BBRR2_PP_UGUNK_DFR|BBRR2_PP_UGUNK_NOPROG|BBRR2_
PP_UGUNK_MAKEPROG|BBRR2_PP_UGUNK_PAIDINFULL|BBRR2_PP_UGUNK_DISCHARGE|BBRR2_FED_U
G_N_SUPP|BBRR2_FED_UG_DFLT_SUPP|BBRR2_FED_UG_DLNQ_SUPP|BBRR2_FED_UG_FBR_SUPP|BBR
R2_FED_UG_DFR_SUPP|BBRR2_FED_UG_NOPROG_SUPP|BBRR2_FED_UG_MAKEPROG_SUPP|BBRR2_FED
_UG_PAIDINFULL_SUPP|BBRR2_FED_UG_DISCHARGE_SUPP|BBRR2_FED_UGCOMP_N_SUPP|BBRR2_FE
D_UGCOMP_DFLT_SUPP|BBRR2_FED_UGCOMP_DLNQ_SUPP|BBRR2_FED_UGCOMP_FBR_SUPP|BBRR2_FE
D_UGCOMP_DFR_SUPP|BBRR2_FED_UGCOMP_NOPROG_SUPP|BBRR2_FED_UGCOMP_MAKEPROG_SUPP|BB
RR2_FED_UGCOMP_PAIDINFULL_SUPP|BBRR2_FED_UGCOMP_DISCHARGE_SUPP|LPSTAFFORD_CNT|LP
STAFFORD_AMT|LPPPLUS_CNT|LPPPLUS_AMT|LPGPLUS_CNT|LPGPLUS_AMT|FEDSCHCD|BOOKSUPPLY
|ROOMBOARD_ON|OTHEREXPENSE_ON|ROOMBOARD_OFF|OTHEREXPENSE_OFF|OTHEREXPENSE_FAM|EN
DOWBEGIN| ENDOWEND|DOLPROVIDER|ADMCON7|MDCOMP_PD|MDCOST_PD|MDEARN_PD|MDCOMP_ALL|
MDCOST_ALL|MDEARN_ALL|D150_L4_PELL_POOLED|C150_L4_PELL_POOLED|D150_4_PELL_POOLED
|C150_4_PELL_POOLED|C150_L4_PELL_POOLED_SUPP|C150_4_PELL_POOLED_SUPP|POOLYRS150_
PELL|OMENRYP_PELL_ALL|OMENRAP_PELL_ALL|OMAWDP8_PELL_ALL|OMENRUP_PELL_ALL|OMENRYP
_PELL_FIRSTTIME|OMENRAP_PELL_FIRSTTIME|OMAWDP8_PELL_FIRSTTIME|OMENRUP_PELL_FIRST
TIME|OMENRYP_PELL_NOTFIRSTTIME|OMENRAP_PELL_NOTFIRSTTIME|OMAWDP8_PELL_NOTFIRSTTI
ME|OMENRUP_PELL_NOTFIRSTTIME|OMENRYP_PELL_FULLTIME|OMENRAP_PELL_FULLTIME|OMAWDP8
_PELL_FULLTIME|OMENRUP_PELL_FULLTIME|OMENRYP_PELL_PARTTIME|OMENRAP_PELL_PARTTIME
|OMAWDP8_PELL_PARTTIME|OMENRUP_PELL_PARTTIME|OMACHT8_PELL_FTFT|OMAWDP8_PELL_FTFT
|OMENRYP8_PELL_FTFT|OMENRAP8_PELL_FTFT|OMENRUP8_PELL_FTFT|OMACHT8_PELL_PTFT|OMAW
DP8_PELL_PTFT|OMENRYP8_PELL_PTFT|OMENRAP8_PELL_PTFT|OMENRUP8_PELL_PTFT|OMACHT8_P
ELL_FTNFT|OMAWDP8_PELL_FTNFT|OMENRYP8_PELL_FTNFT|OMENRAP8_PELL_FTNFT|OMENRUP8_PE
LL_FTNFT|OMACHT8_PELL_PTNFT|OMAWDP8_PELL_PTNFT|OMENRYP8_PELL_PTNFT|OMENRAP8_PELL
_PTNFT|OMENRUP8_PELL_PTNFT|OMACHT8_PELL_FTFT_POOLED|OMACHT8_PELL_PTFT_POOLED|OMA
CHT8_PELL_FTNFT_POOLED|OMACHT8_PELL_PTNFT_POOLED|OMAWDP8_PELL_FTFT_POOLED|OMENRY
P8_PELL_FTFT_POOLED|OMENRAP8_PELL_FTFT_POOLED|OMENRUP8_PELL_FTFT_POOLED|OMAWDP8_
PELL_PTFT_POOLED|OMENRYP8_PELL_PTFT_POOLED|OMENRAP8_PELL_PTFT_POOLED|OMENRUP8_PE
LL_PTFT_POOLED|OMAWDP8_PELL_FTNFT_POOLED|OMENRYP8_PELL_FTNFT_POOLED|OMENRAP8_PEL
L_FTNFT_POOLED|OMENRUP8_PELL_FTNFT_POOLED|OMAWDP8_PELL_PTNFT_POOLED|OMENRYP8_PEL
L_PTNFT_POOLED|OMENRAP8_PELL_PTNFT_POOLED|OMENRUP8_PELL_PTNFT_POOLED|OMENRYP_PEL
L_ALL_POOLED|OMENRAP_PELL_ALL_POOLED|OMAWDP8_PELL_ALL_POOLED|OMENRUP_PELL_ALL_PO
OLED|OMENRYP_PELL_FTT_POOLED|OMENRAP_PELL_FTT_POOLED|OMAWDP8_PELL_FTT_POOLED|OME
NRUP_PELL_FTT_POOLED|OMENRYP_PELL_NFT_POOLED|OMENRAP_PELL_NFT_POOLED|OMAWDP8_PEL
L_NFT_POOLED|OMENRUP_PELL_NFT_POOLED|OMENRYP_PELL_FT_POOLED|OMENRAP_PELL_FT_POOL
ED|OMAWDP8_PELL_FT_POOLED|OMENRUP_PELL_FT_POOLED|OMENRYP_PELL_PT_POOLED|OMENRAP_
PELL_PT_POOLED|OMAWDP8_PELL_PT_POOLED|OMENRUP_PELL_PT_POOLED|POOLYRSOM_PELL_FTFT
|POOLYRSOM_PELL_PTFT|POOLYRSOM_PELL_FTNFT|POOLYRSOM_PELL_PTNFT|POOLYRSOM_PELL_AL
L|POOLYRSOM_PELL_FIRSTTIME|POOLYRSOM_PELL_NOTFIRSTTIME|POOLYRSOM_PELL_FULLTIME|P

OOLYRSOM_PELL_PARTTIME|OMAWDP8_PELL_FTFT_POOLED_SUPP|OMENRYP8_PELL_FTFT_POOLED_S
UPP|OMENRAP8_PELL_FTFT_POOLED_SUPP|OMENRUP8_PELL_FTFT_POOLED_SUPP|OMAWDP8_PELL_P
TFT_POOLED_SUPP|OMENRYP8_PELL_PTFT_POOLED_SUPP|OMENRAP8_PELL_PTFT_POOLED_SUPP|OM
ENRUP8_PELL_PTFT_POOLED_SUPP|OMAWDP8_PELL_FTNFT_POOLED_SUPP|OMENRYP8_PELL_FTNFT_
POOLED_SUPP|OMENRAP8_PELL_FTNFT_POOLED_SUPP|OMENRUP8_PELL_FTNFT_POOLED_SUPP|OMAW
DP8_PELL_PTNFT_POOLED_SUPP|OMENRYP8_PELL_PTNFT_POOLED_SUPP|OMENRAP8_PELL_PTNFT_P
OOLED_SUPP|OMENRUP8_PELL_PTNFT_POOLED_SUPP|OMENRYP_PELL_ALL_POOLED_SUPP|OMENRAP_
PELL_ALL_POOLED_SUPP|OMAWDP8_PELL_ALL_POOLED_SUPP|OMENRUP_PELL_ALL_POOLED_SUPP|O
MENRYP_PELL_FTT_POOLED_SUPP|OMENRAP_PELL_FTT_POOLED_SUPP|OMAWDP8_PELL_FTT_POOLED
_SUPP|OMENRUP_PELL_FTT_POOLED_SUPP|OMENRYP_PELL_NFT_POOLED_SUPP|OMENRAP_PELL_NFT
_POOLED_SUPP|OMAWDP8_PELL_NFT_POOLED_SUPP|OMENRUP_PELL_NFT_POOLED_SUPP|OMENRYP_P
ELL_FT_POOLED_SUPP|OMENRAP_PELL_FT_POOLED_SUPP|OMAWDP8_PELL_FT_POOLED_SUPP|OMENR
UP_PELL_FT_POOLED_SUPP|OMENRYP_PELL_PT_POOLED_SUPP|OMENRAP_PELL_PT_POOLED_SUPP|O
MAWDP8_PELL_PT_POOLED_SUPP|OMENRUP_PELL_PT_POOLED_SUPP|BBRR1_FED_IND_N|BBRR1_FED
_IND_DFLT|BBRR1_FED_IND_DLNQ|BBRR1_FED_IND_FBR|BBRR1_FED_IND_DFR|BBRR1_FED_IND_N
OPROG|BBRR1_FED_IND_MAKEPROG|BBRR1_FED_IND_PAIDINFULL|BBRR1_FED_IND_DISCHARGE|BB
RR1_FED_DEP_N|BBRR1_FED_DEP_DFLT|BBRR1_FED_DEP_DLNQ|BBRR1_FED_DEP_FBR|BBRR1_FED_
DEP_DFR|BBRR1_FED_DEP_NOPROG|BBRR1_FED_DEP_MAKEPROG|BBRR1_FED_DEP_PAIDINFULL|BBR
R1_FED_DEP_DISCHARGE|BBRR1_FED_PELL_N|BBRR1_FED_PELL_DFLT|BBRR1_FED_PELL_DLNQ|BB
RR1_FED_PELL_FBR|BBRR1_FED_PELL_DFR|BBRR1_FED_PELL_NOPROG|BBRR1_FED_PELL_MAKEPRO
G|BBRR1_FED_PELL_PAIDINFULL|BBRR1_FED_PELL_DISCHARGE|BBRR1_FED_NOPELL_N|BBRR1_FE
D_NOPELL_DFLT|BBRR1_FED_NOPELL_DLNQ|BBRR1_FED_NOPELL_FBR|BBRR1_FED_NOPELL_DFR|BB
RR1_FED_NOPELL_NOPROG|BBRR1_FED_NOPELL_MAKEPROG|BBRR1_FED_NOPELL_PAIDINFULL|BBRR
1_FED_NOPELL_DISCHARGE|BBRR1_FED_MALE_N|BBRR1_FED_MALE_DFLT|BBRR1_FED_MALE_DLNQ|
BBRR1_FED_MALE_FBR|BBRR1_FED_MALE_DFR|BBRR1_FED_MALE_NOPROG|BBRR1_FED_MALE_MAKEP
ROG|BBRR1_FED_MALE_PAIDINFULL|BBRR1_FED_MALE_DISCHARGE|BBRR1_FED_NOMALE_N|BBRR1_
FED_NOMALE_DFLT|BBRR1_FED_NOMALE_DLNQ|BBRR1_FED_NOMALE_FBR|BBRR1_FED_NOMALE_DFR|
BBRR1_FED_NOMALE_NOPROG|BBRR1_FED_NOMALE_MAKEPROG|BBRR1_FED_NOMALE_PAIDINFULL|BB
RR1_FED_NOMALE_DISCHARGE|BBRR1_PP_IND_N|BBRR1_PP_IND_DFLT|BBRR1_PP_IND_DLNQ|BBRR
1_PP_IND_FBR|BBRR1_PP_IND_DFR|BBRR1_PP_IND_NOPROG|BBRR1_PP_IND_MAKEPROG|BBRR1_PP
_IND_PAIDINFULL|BBRR1_PP_IND_DISCHARGE|BBRR1_PP_DEP_N|BBRR1_PP_DEP_DFLT|BBRR1_PP
_DEP_DLNQ|BBRR1_PP_DEP_FBR|BBRR1_PP_DEP_DFR|BBRR1_PP_DEP_NOPROG|BBRR1_PP_DEP_MAK
EPROG|BBRR1_PP_DEP_PAIDINFULL|BBRR1_PP_DEP_DISCHARGE|BBRR1_PP_PELL_N|BBRR1_PP_PE
LL_DFLT|BBRR1_PP_PELL_DLNQ|BBRR1_PP_PELL_FBR|BBRR1_PP_PELL_DFR|BBRR1_PP_PELL_NOP
ROG|BBRR1_PP_PELL_MAKEPROG|BBRR1_PP_PELL_PAIDINFULL|BBRR1_PP_PELL_DISCHARGE|BBRR
1_PP_NOPELL_N|BBRR1_PP_NOPELL_DFLT|BBRR1_PP_NOPELL_DLNQ|BBRR1_PP_NOPELL_FBR|BBRR
1_PP_NOPELL_DFR|BBRR1_PP_NOPELL_NOPROG|BBRR1_PP_NOPELL_MAKEPROG|BBRR1_PP_NOPELL_
PAIDINFULL|BBRR1_PP_NOPELL_DISCHARGE|BBRR1_PP_MALE_N|BBRR1_PP_MALE_DFLT|BBRR1_PP
_MALE_DLNQ|BBRR1_PP_MALE_FBR|BBRR1_PP_MALE_DFR|BBRR1_PP_MALE_NOPROG|BBRR1_PP_MAL
E_MAKEPROG|BBRR1_PP_MALE_PAIDINFULL|BBRR1_PP_MALE_DISCHARGE|BBRR1_PP_NOMALE_N|BB
RR1_PP_NOMALE_DFLT|BBRR1_PP_NOMALE_DLNQ|BBRR1_PP_NOMALE_FBR|BBRR1_PP_NOMALE_DFR|
BBRR1_PP_NOMALE_NOPROG|BBRR1_PP_NOMALE_MAKEPROG|BBRR1_PP_NOMALE_PAIDINFULL|BBRR1
_PP_NOMALE_DISCHARGE|BBRR2_FED_IND_N|BBRR2_FED_IND_DFLT|BBRR2_FED_IND_DLNQ|BBRR2
_FED_IND_FBR|BBRR2_FED_IND_DFR|BBRR2_FED_IND_NOPROG|BBRR2_FED_IND_MAKEPROG|BBRR2
_FED_IND_PAIDINFULL|BBRR2_FED_IND_DISCHARGE|BBRR2_FED_DEP_N|BBRR2_FED_DEP_DFLT|B
BRR2_FED_DEP_DLNQ|BBRR2_FED_DEP_FBR|BBRR2_FED_DEP_DFR|BBRR2_FED_DEP_NOPROG|BBRR2
_FED_DEP_MAKEPROG|BBRR2_FED_DEP_PAIDINFULL|BBRR2_FED_DEP_DISCHARGE|BBRR2_FED_PEL
L_N|BBRR2_FED_PELL_DFLT|BBRR2_FED_PELL_DLNQ|BBRR2_FED_PELL_FBR|BBRR2_FED_PELL_DF

R|BBRR2_FED_PELL_NOPROG|BBRR2_FED_PELL_MAKEPROG|BBRR2_FED_PELL_PAIDINFULL|BBRR2_
FED_PELL_DISCHARGE|BBRR2_FED_NOPELL_N|BBRR2_FED_NOPELL_DFLT|BBRR2_FED_NOPELL_DLN
Q|BBRR2_FED_NOPELL_FBR|BBRR2_FED_NOPELL_DFR|BBRR2_FED_NOPELL_NOPROG|BBRR2_FED_NO
PELL_MAKEPROG|BBRR2_FED_NOPELL_PAIDINFULL|BBRR2_FED_NOPELL_DISCHARGE|BBRR2_FED_M
ALE_N|BBRR2_FED_MALE_DFLT|BBRR2_FED_MALE_DLNQ|BBRR2_FED_MALE_FBR|BBRR2_FED_MALE_
DFR|BBRR2_FED_MALE_NOPROG|BBRR2_FED_MALE_MAKEPROG|BBRR2_FED_MALE_PAIDINFULL|BBRR
2_FED_MALE_DISCHARGE|BBRR2_FED_NOMALE_N|BBRR2_FED_NOMALE_DFLT|BBRR2_FED_NOMALE_D
LNQ|BBRR2_FED_NOMALE_FBR|BBRR2_FED_NOMALE_DFR|BBRR2_FED_NOMALE_NOPROG|BBRR2_FED_
NOMALE_MAKEPROG|BBRR2_FED_NOMALE_PAIDINFULL|BBRR2_FED_NOMALE_DISCHARGE|BBRR2_PP_
IND_N|BBRR2_PP_IND_DFLT|BBRR2_PP_IND_DLNQ|BBRR2_PP_IND_FBR|BBRR2_PP_IND_DFR|BBRR
2_PP_IND_NOPROG|BBRR2_PP_IND_MAKEPROG|BBRR2_PP_IND_PAIDINFULL|BBRR2_PP_IND_DISCH
ARGE|BBRR2_PP_DEP_N|BBRR2_PP_DEP_DFLT|BBRR2_PP_DEP_DLNQ|BBRR2_PP_DEP_FBR|BBRR2_P
P_DEP_DFR|BBRR2_PP_DEP_NOPROG|BBRR2_PP_DEP_MAKEPROG|BBRR2_PP_DEP_PAIDINFULL|BBRR
2_PP_DEP_DISCHARGE|BBRR2_PP_PELL_N|BBRR2_PP_PELL_DFLT|BBRR2_PP_PELL_DLNQ|BBRR2_P
P_PELL_FBR|BBRR2_PP_PELL_DFR|BBRR2_PP_PELL_NOPROG|BBRR2_PP_PELL_MAKEPROG|BBRR2_P
P_PELL_PAIDINFULL|BBRR2_PP_PELL_DISCHARGE|BBRR2_PP_NOPELL_N|BBRR2_PP_NOPELL_DFLT
|BBRR2_PP_NOPELL_DLNQ|BBRR2_PP_NOPELL_FBR|BBRR2_PP_NOPELL_DFR|BBRR2_PP_NOPELL_NO
PROG|BBRR2_PP_NOPELL_MAKEPROG|BBRR2_PP_NOPELL_PAIDINFULL|BBRR2_PP_NOPELL_DISCHAR
GE|BBRR2_PP_MALE_N|BBRR2_PP_MALE_DFLT|BBRR2_PP_MALE_DLNQ|BBRR2_PP_MALE_FBR|BBRR2
_PP_MALE_DFR|BBRR2_PP_MALE_NOPROG|BBRR2_PP_MALE_MAKEPROG|BBRR2_PP_MALE_PAIDINFUL
L|BBRR2_PP_MALE_DISCHARGE|BBRR2_PP_NOMALE_N|BBRR2_PP_NOMALE_DFLT|BBRR2_PP_NOMALE
_DLNQ|BBRR2_PP_NOMALE_FBR|BBRR2_PP_NOMALE_DFR|BBRR2_PP_NOMALE_NOPROG|BBRR2_PP_NO
MALE_MAKEPROG|BBRR2_PP_NOMALE_PAIDINFULL|BBRR2_PP_NOMALE_DISCHARGE|BBRR3_FED_UG_
N|BBRR3_FED_UG_DFLT|BBRR3_FED_UG_DLNQ|BBRR3_FED_UG_FBR|BBRR3_FED_UG_DFR|BBRR3_FE
D_UG_NOPROG|BBRR3_FED_UG_MAKEPROG|BBRR3_FED_UG_PAIDINFULL|BBRR3_FED_UG_DISCHARGE
|BBRR3_FED_UGCOMP_N|BBRR3_FED_UGCOMP_DFLT|BBRR3_FED_UGCOMP_DLNQ|BBRR3_FED_UGCOMP
_FBR|BBRR3_FED_UGCOMP_DFR|BBRR3_FED_UGCOMP_NOPROG|BBRR3_FED_UGCOMP_MAKEPROG|BBRR
3_FED_UGCOMP_PAIDINFULL|BBRR3_FED_UGCOMP_DISCHARGE|BBRR3_FED_UGNOCOMP_N|BBRR3_FE
D_UGNOCOMP_DFLT|BBRR3_FED_UGNOCOMP_DLNQ|BBRR3_FED_UGNOCOMP_FBR|BBRR3_FED_UGNOCOM
P_DFR|BBRR3_FED_UGNOCOMP_NOPROG|BBRR3_FED_UGNOCOMP_MAKEPROG|BBRR3_FED_UGNOCOMP_P
AIDINFULL|BBRR3_FED_UGNOCOMP_DISCHARGE|BBRR3_FED_UGUNK_N|BBRR3_FED_UGUNK_DFLT|BB
RR3_FED_UGUNK_DLNQ|BBRR3_FED_UGUNK_FBR|BBRR3_FED_UGUNK_DFR|BBRR3_FED_UGUNK_NOPRO
G|BBRR3_FED_UGUNK_MAKEPROG|BBRR3_FED_UGUNK_PAIDINFULL|BBRR3_FED_UGUNK_DISCHARGE|
BBRR3_FED_GR_N|BBRR3_FED_GR_DFLT|BBRR3_FED_GR_DLNQ|BBRR3_FED_GR_FBR|BBRR3_FED_GR
_DFR|BBRR3_FED_GR_NOPROG|BBRR3_FED_GR_MAKEPROG|BBRR3_FED_GR_PAIDINFULL|BBRR3_FED
_GR_DISCHARGE|BBRR3_FED_GRCOMP_N|BBRR3_FED_GRCOMP_DFLT|BBRR3_FED_GRCOMP_DLNQ|BBR
R3_FED_GRCOMP_FBR|BBRR3_FED_GRCOMP_DFR|BBRR3_FED_GRCOMP_NOPROG|BBRR3_FED_GRCOMP_
MAKEPROG|BBRR3_FED_GRCOMP_PAIDINFULL|BBRR3_FED_GRCOMP_DISCHARGE|BBRR3_FED_GRNOCO
MP_N|BBRR3_FED_GRNOCOMP_DFLT|BBRR3_FED_GRNOCOMP_DLNQ|BBRR3_FED_GRNOCOMP_FBR|BBRR
3_FED_GRNOCOMP_DFR|BBRR3_FED_GRNOCOMP_NOPROG|BBRR3_FED_GRNOCOMP_MAKEPROG|BBRR3_F
ED_GRNOCOMP_PAIDINFULL|BBRR3_FED_GRNOCOMP_DISCHARGE|BBRR3_PP_UG_N|BBRR3_PP_UG_DF
LT|BBRR3_PP_UG_DLNQ|BBRR3_PP_UG_FBR|BBRR3_PP_UG_DFR|BBRR3_PP_UG_NOPROG|BBRR3_PP_
UG_MAKEPROG|BBRR3_PP_UG_PAIDINFULL|BBRR3_PP_UG_DISCHARGE|BBRR3_PP_UGCOMP_N|BBRR3
_PP_UGCOMP_DFLT|BBRR3_PP_UGCOMP_DLNQ|BBRR3_PP_UGCOMP_FBR|BBRR3_PP_UGCOMP_DFR|BBR
R3_PP_UGCOMP_NOPROG|BBRR3_PP_UGCOMP_MAKEPROG|BBRR3_PP_UGCOMP_PAIDINFULL|BBRR3_PP
_UGCOMP_DISCHARGE|BBRR3_PP_UGNOCOMP_N|BBRR3_PP_UGNOCOMP_DFLT|BBRR3_PP_UGNOCOMP_D
LNQ|BBRR3_PP_UGNOCOMP_FBR|BBRR3_PP_UGNOCOMP_DFR|BBRR3_PP_UGNOCOMP_NOPROG|BBRR3_P
P_UGNOCOMP_MAKEPROG|BBRR3_PP_UGNOCOMP_PAIDINFULL|BBRR3_PP_UGNOCOMP_DISCHARGE|BBR

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OG|BBRR3_FED_IND_PAIDINFULL|BBRR3_FED_IND_DISCHARGE|BBRR3_FED_DEP_N|BBRR3_FED_DE
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OG|BBRR3_FED_DEP_MAKEPROG|BBRR3_FED_DEP_PAIDINFULL|BBRR3_FED_DEP_DISCHARGE|BBRR3
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_PELL_DFR|BBRR3_FED_PELL_NOPROG|BBRR3_FED_PELL_MAKEPROG|BBRR3_FED_PELL_PAIDINFUL
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PELL_DLNQ|BBRR3_FED_NOPELL_FBR|BBRR3_FED_NOPELL_DFR|BBRR3_FED_NOPELL_NOPROG|BBRR
3_FED_NOPELL_MAKEPROG|BBRR3_FED_NOPELL_PAIDINFULL|BBRR3_FED_NOPELL_DISCHARGE|BBR
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S_MEN|MD_EARN_WNE_1YR|GT_THRESHOLD_1YR|COUNT_NWNE_4YR|COUNT_WNE_4YR|MD_EARN_WNE_
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AP_NOPELL_ALL|OMAWDP8_NOPELL_ALL|OMENRUP_NOPELL_ALL|OMENRYP_NOPELL_FIRSTTIME|OME
NRAP_NOPELL_FIRSTTIME|OMAWDP8_NOPELL_FIRSTTIME|OMENRUP_NOPELL_FIRSTTIME|OMENRYP_
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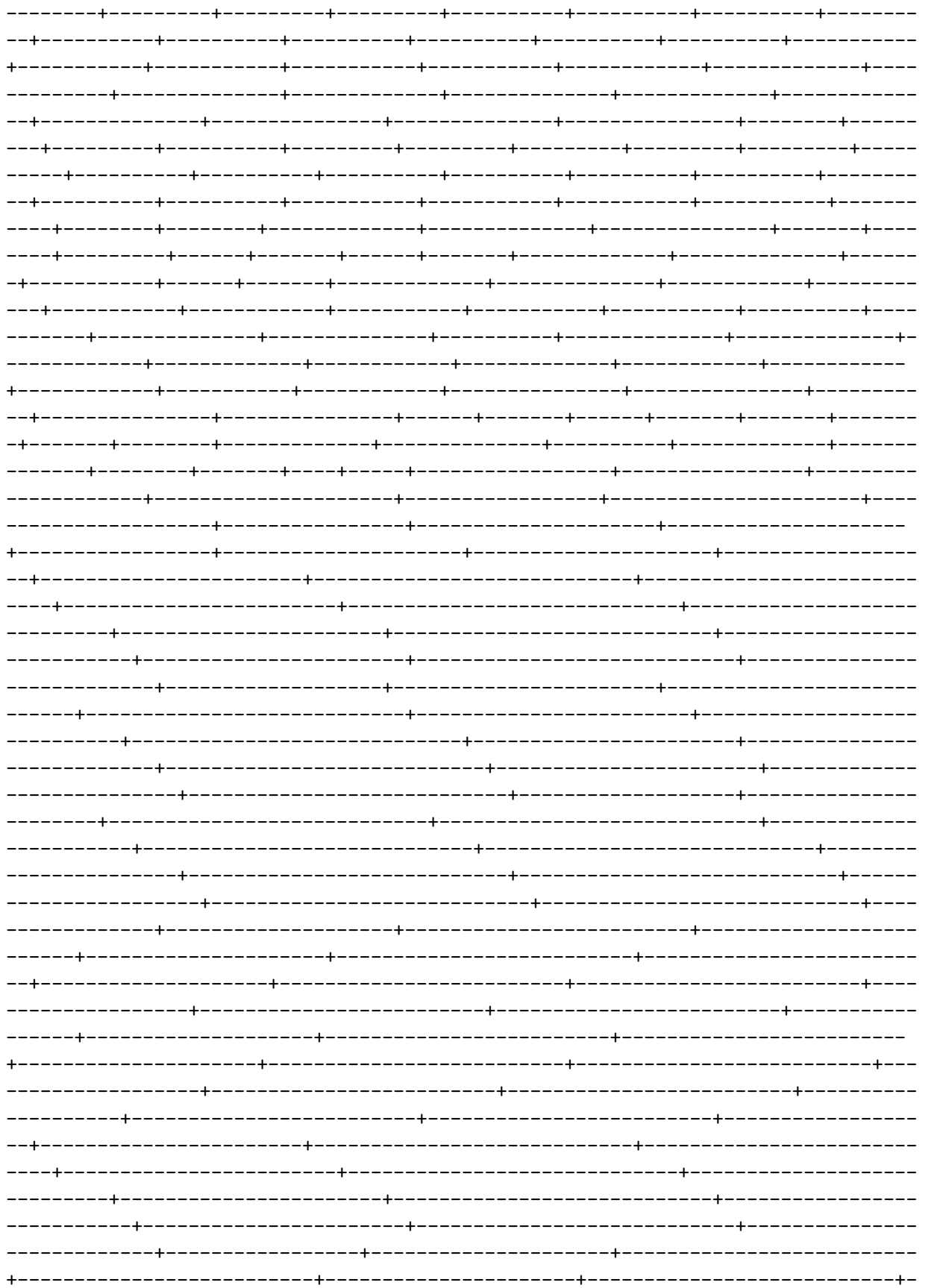

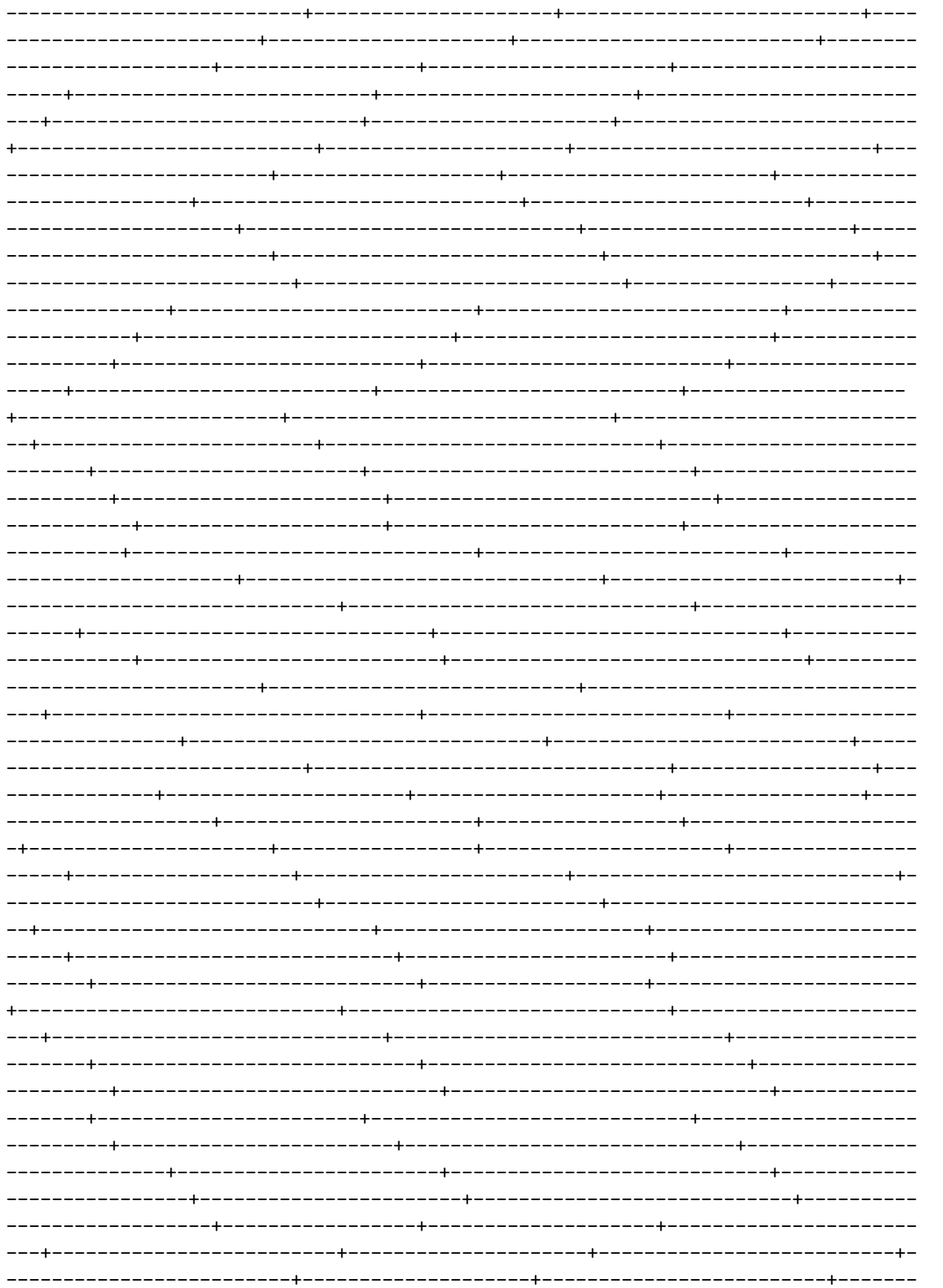

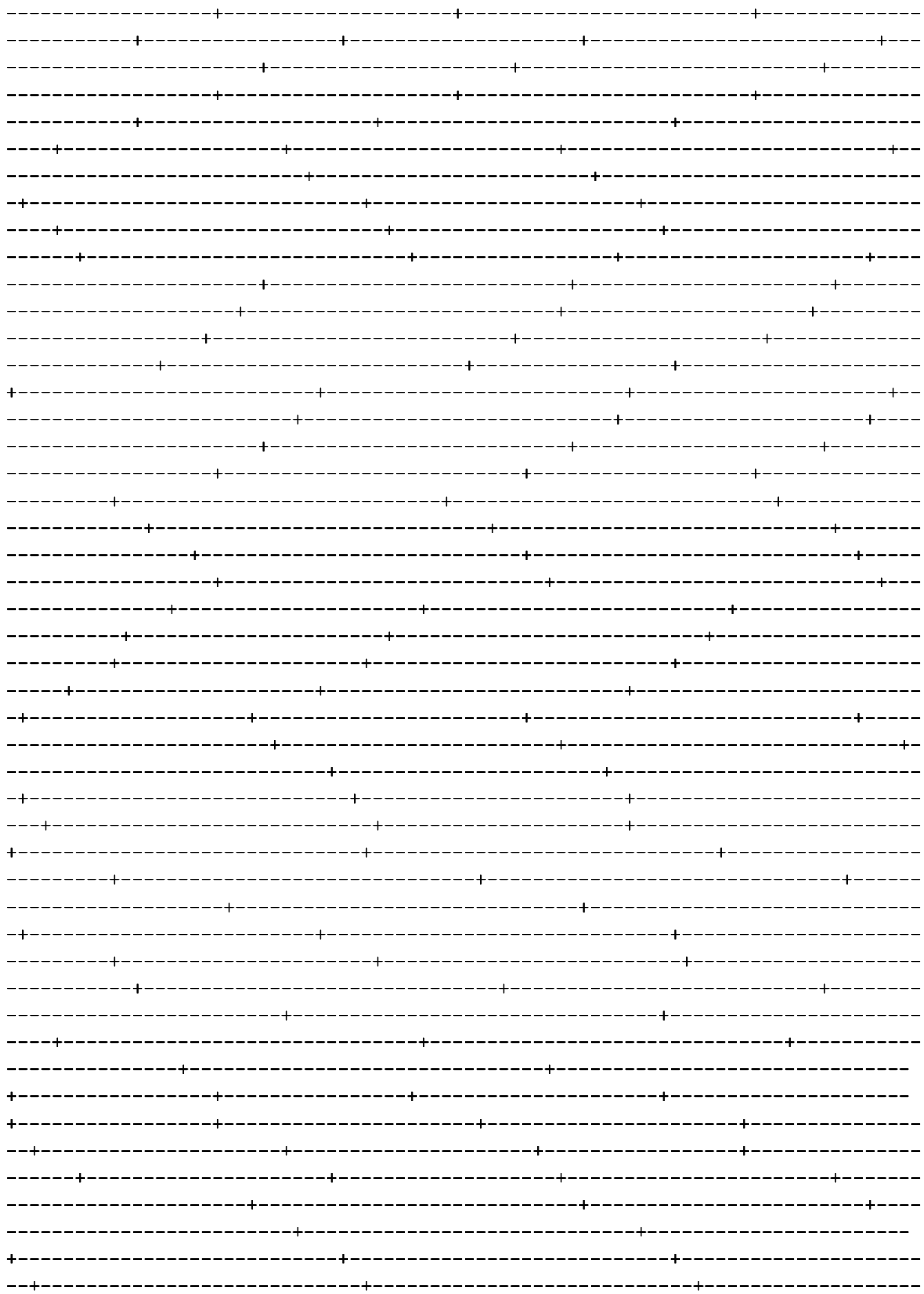

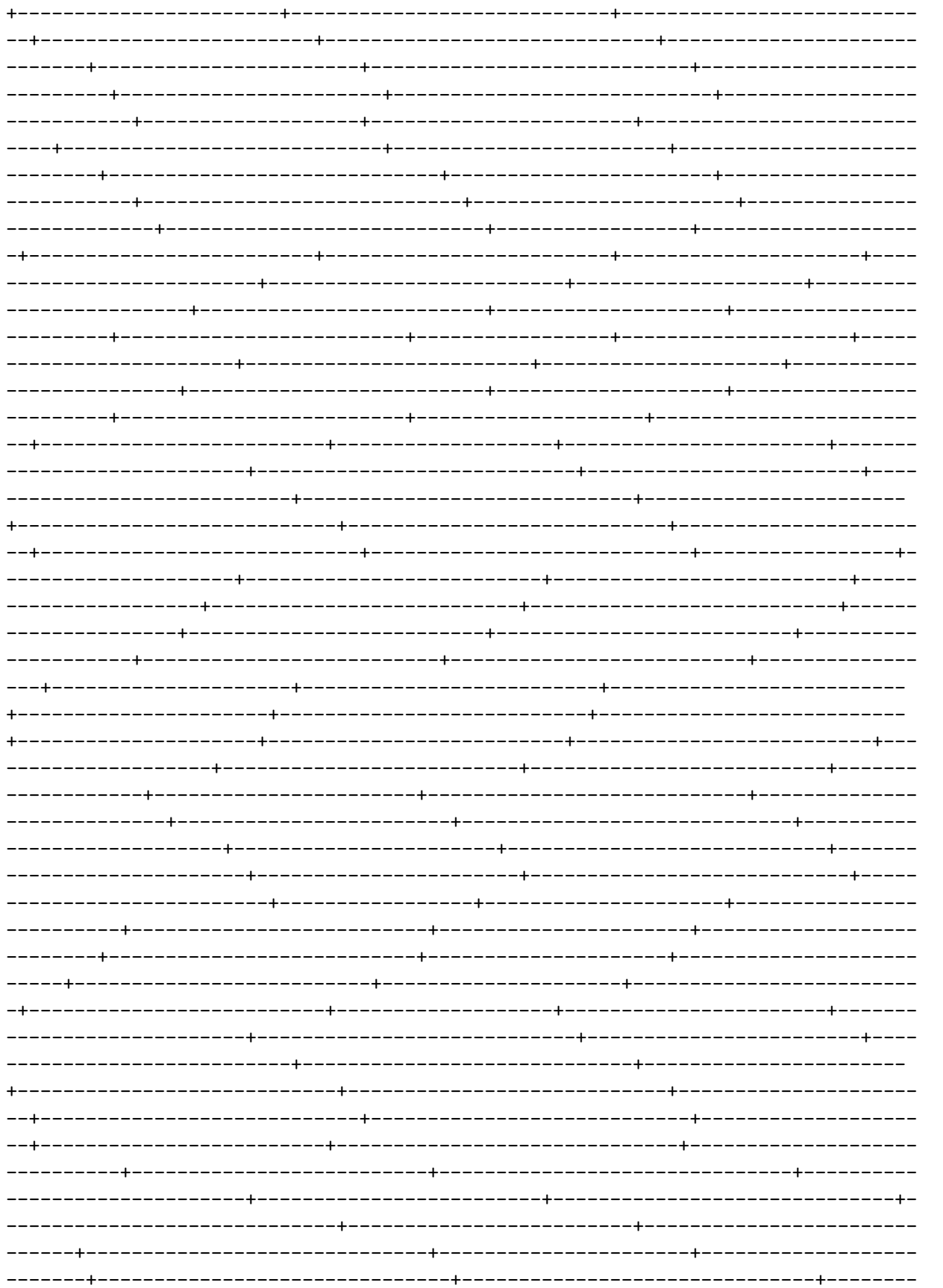

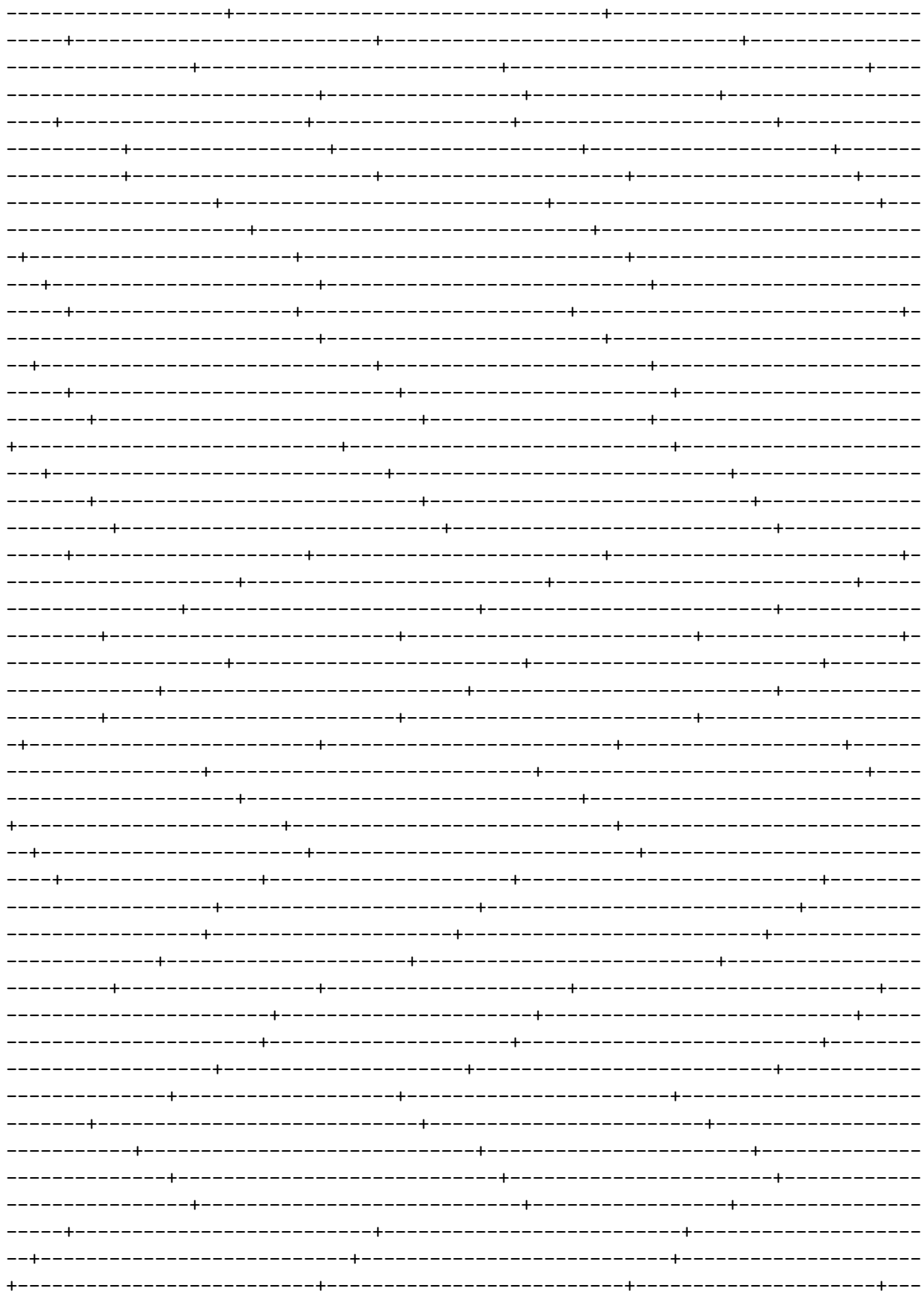

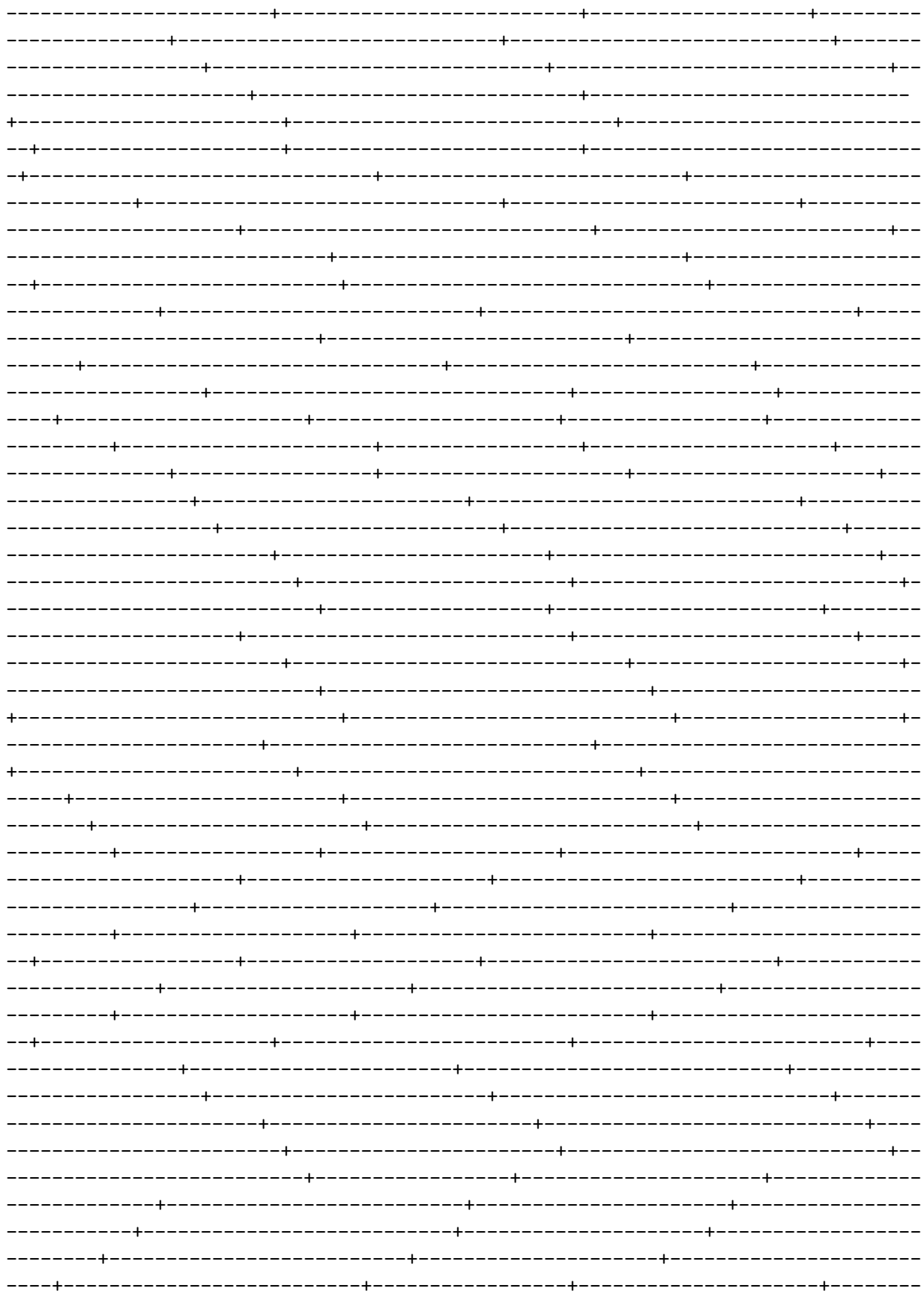

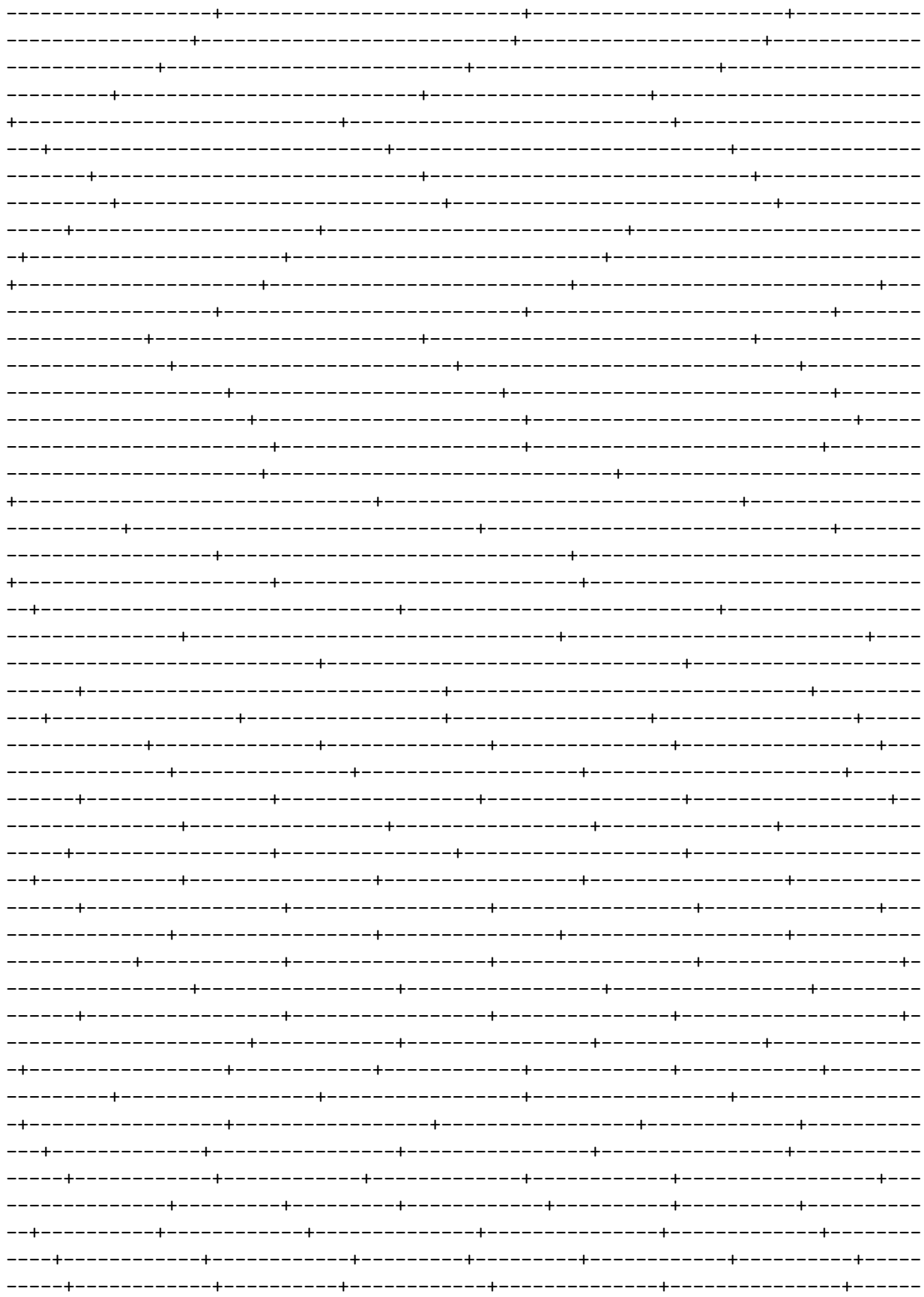

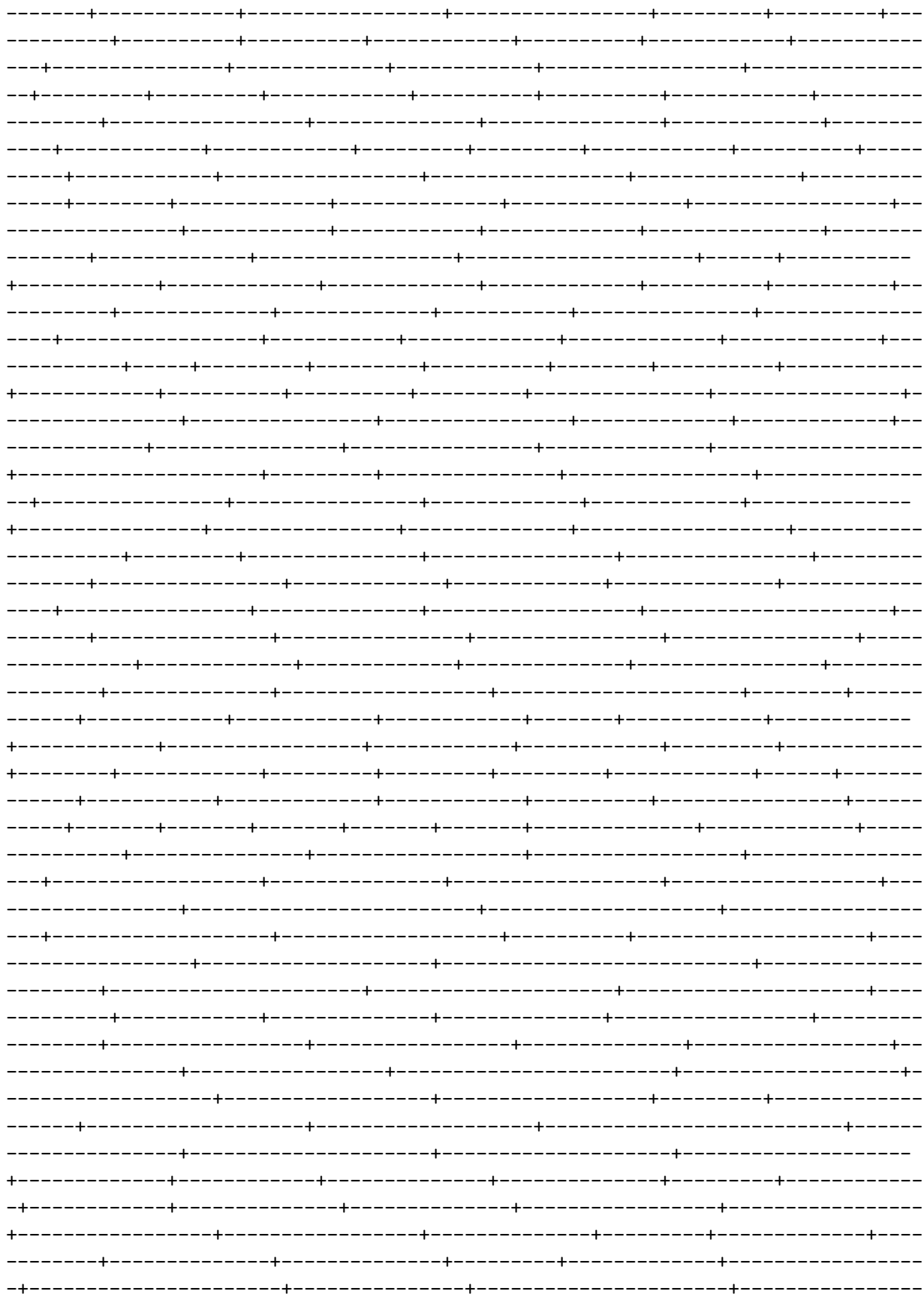

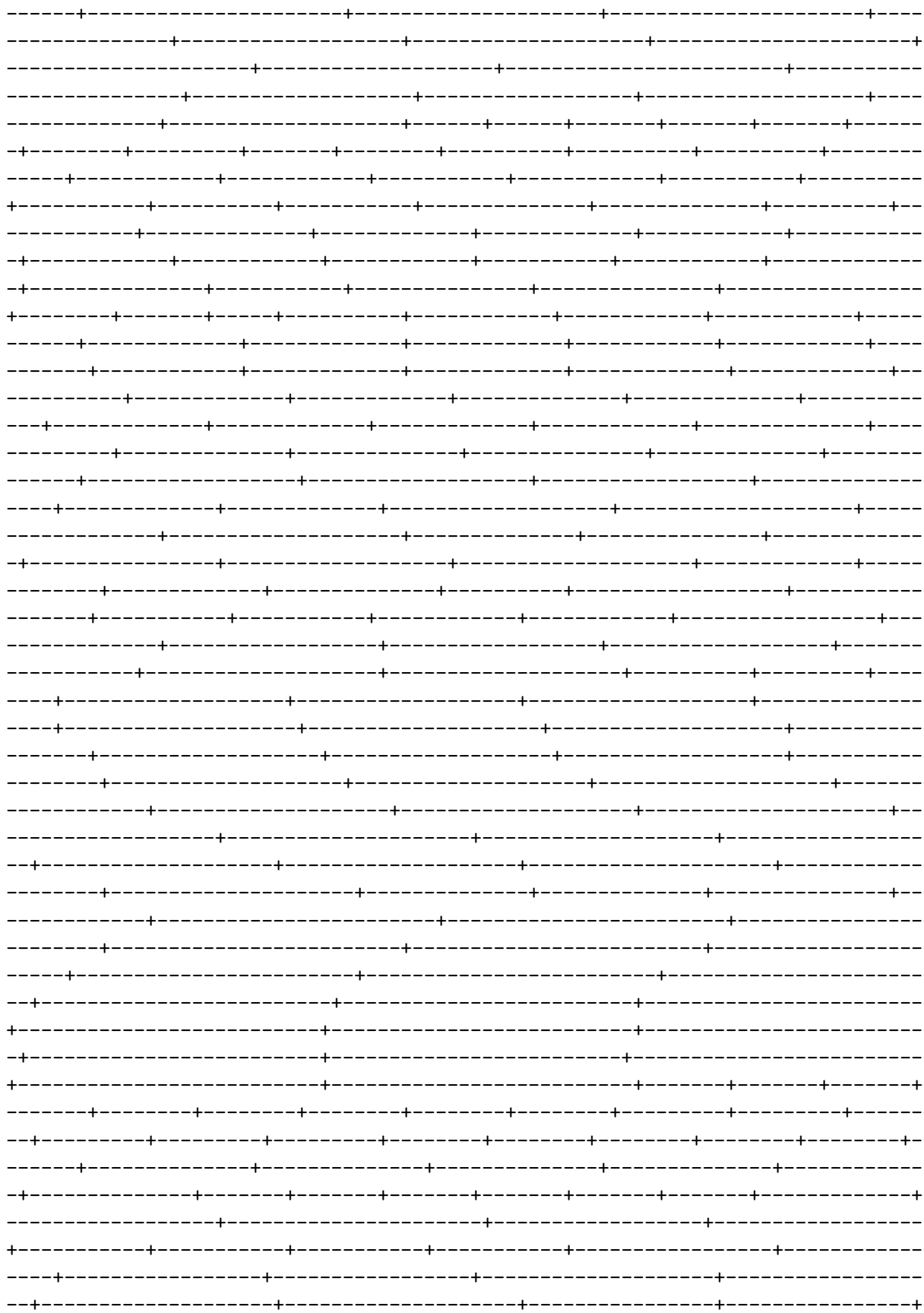

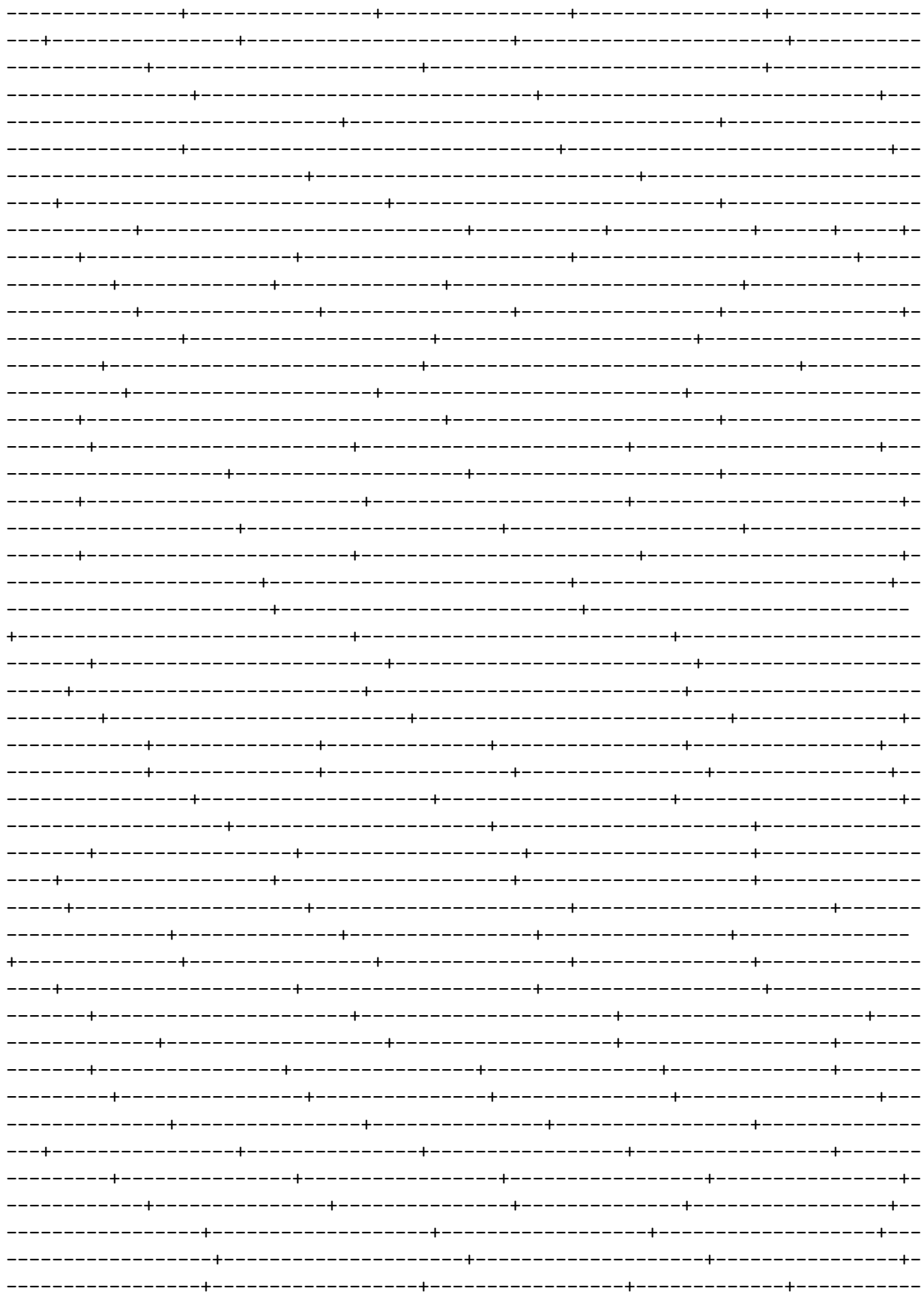

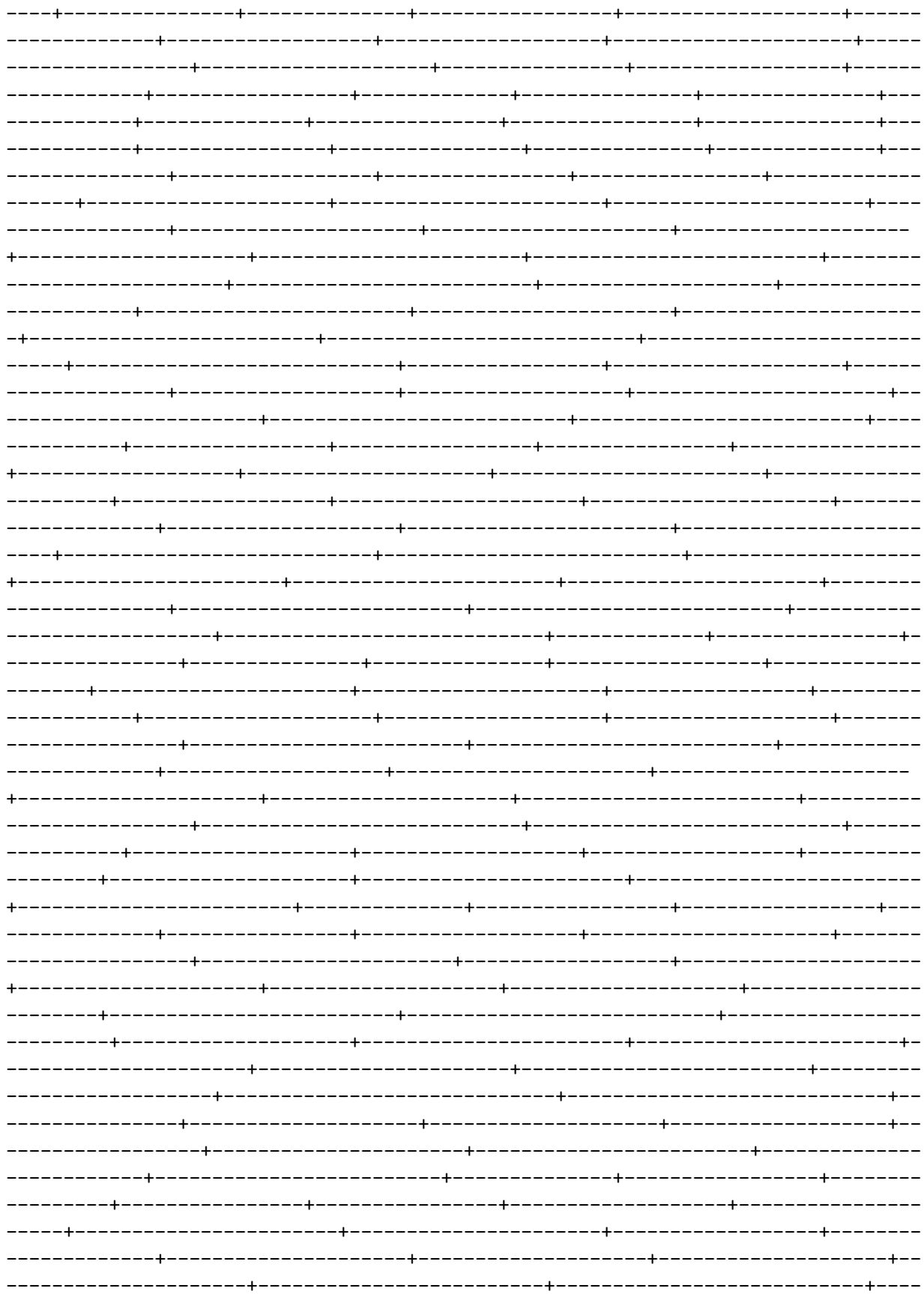

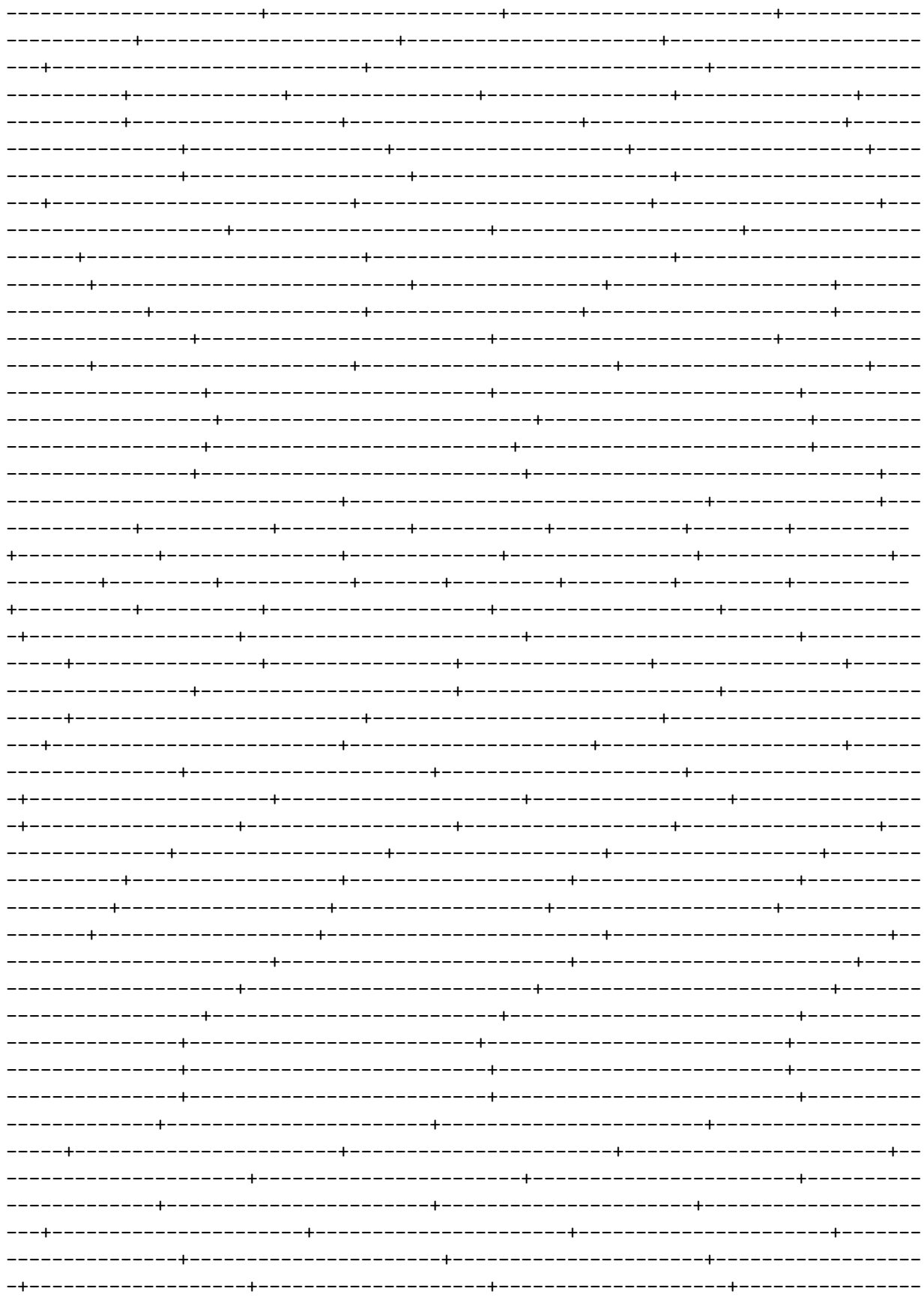

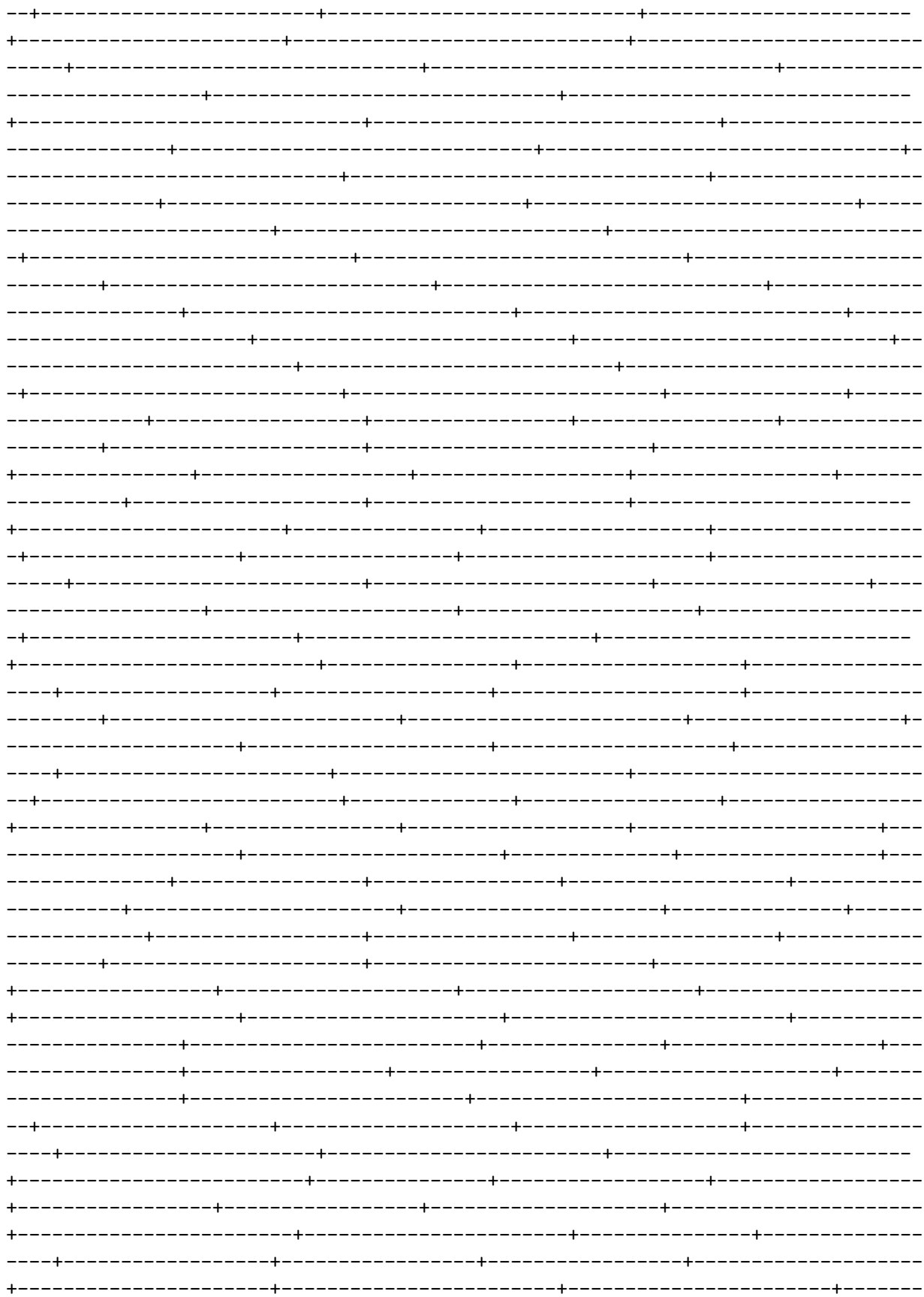

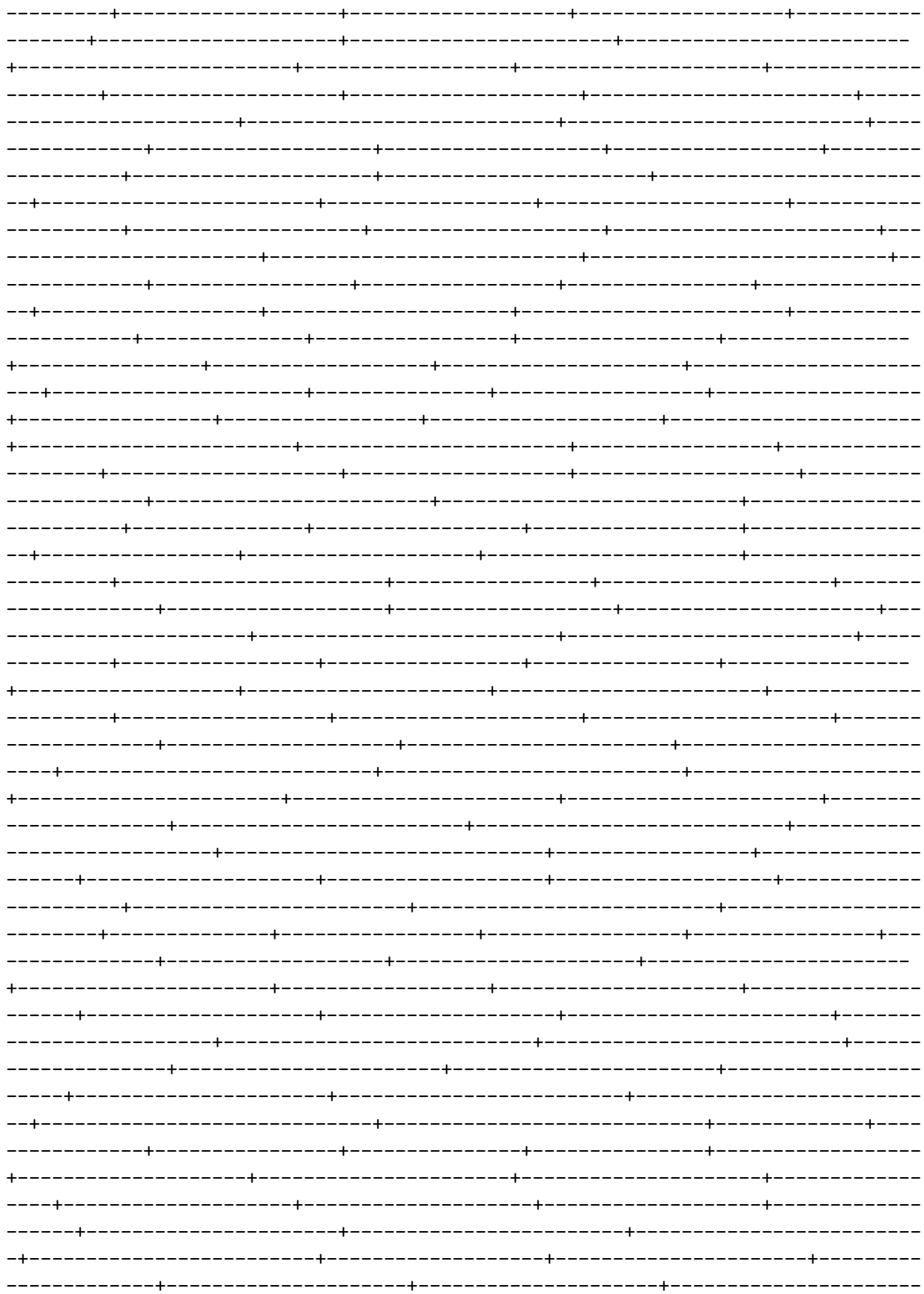

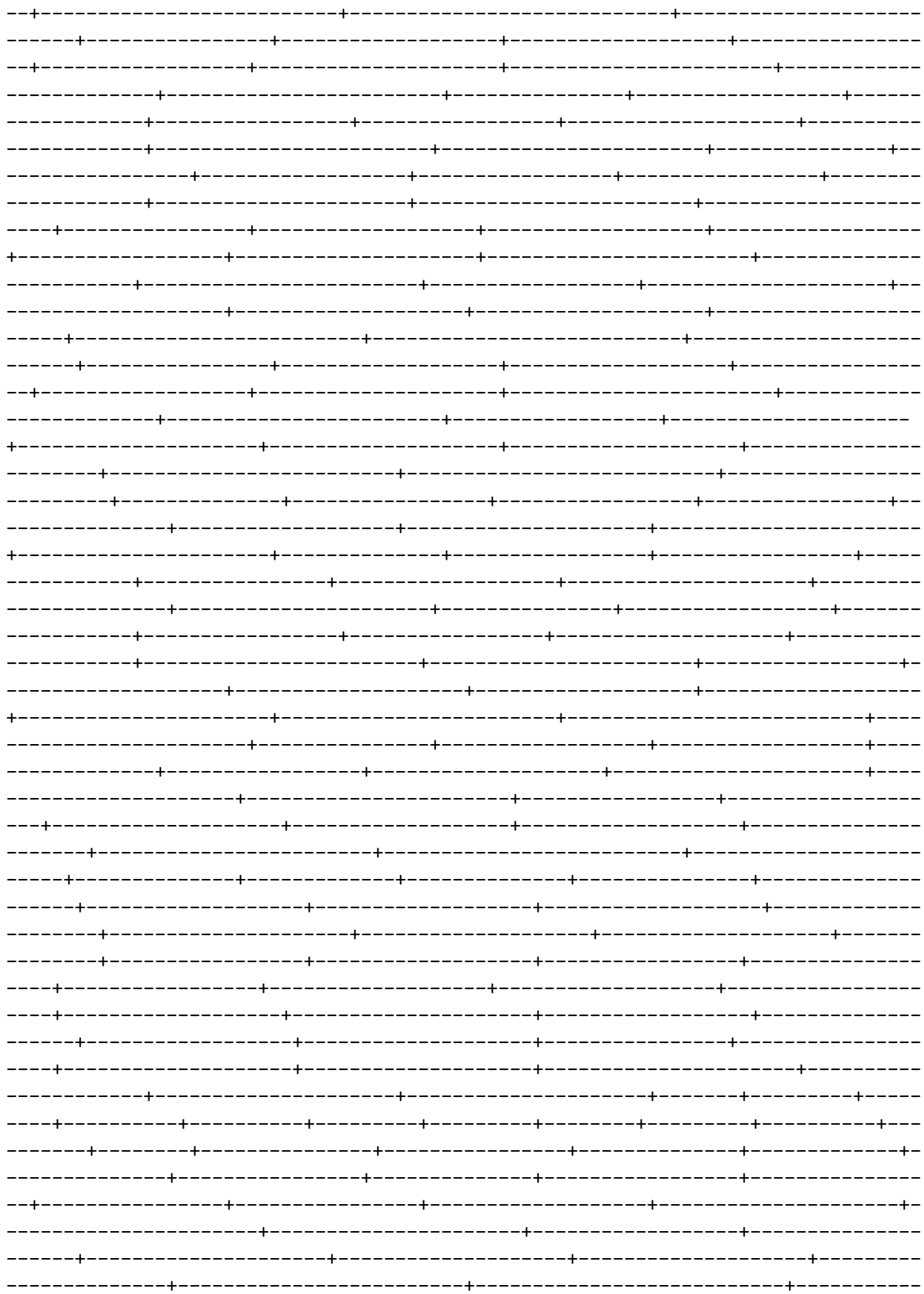

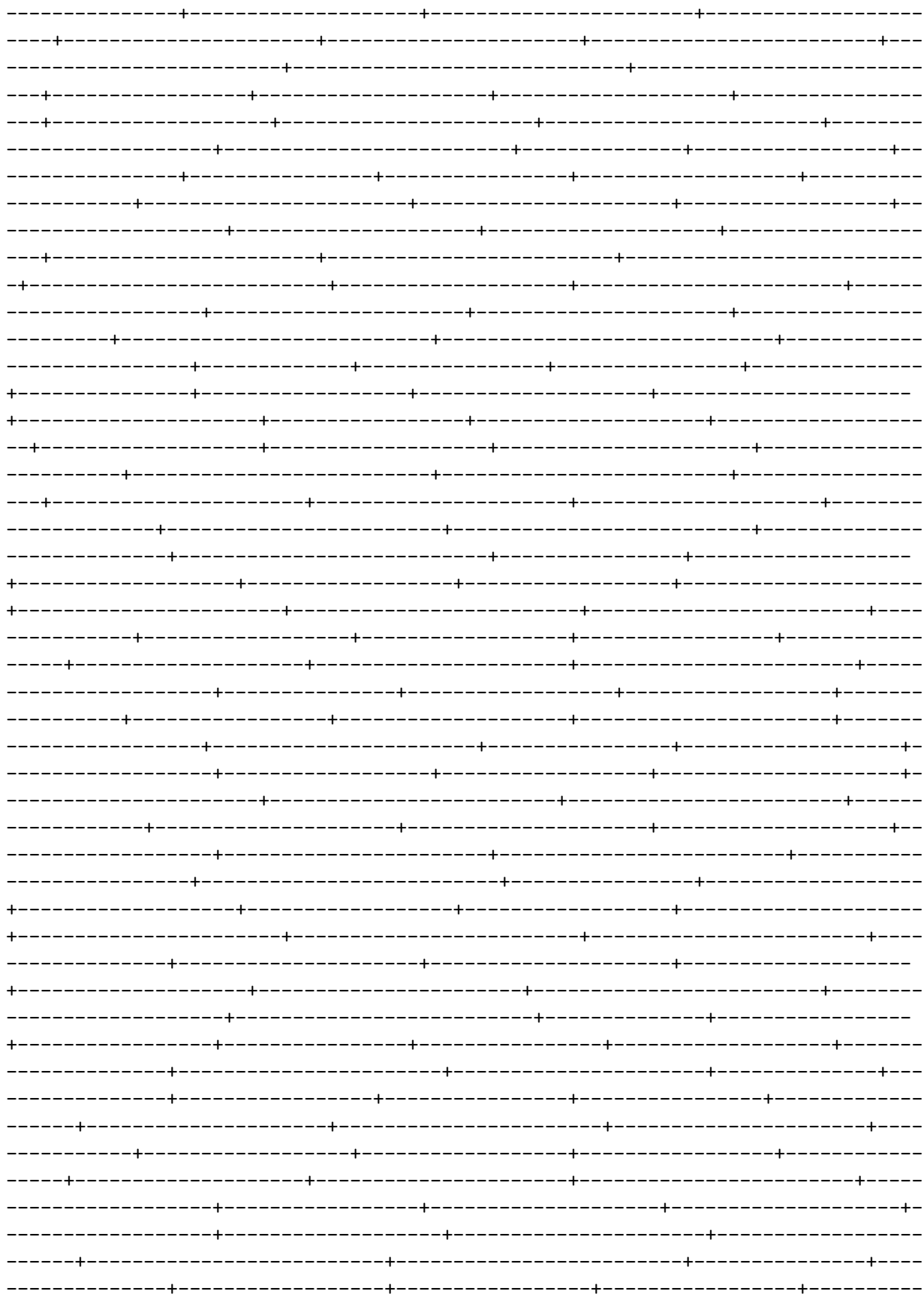

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------+---------------------------+---------------------------+----------------
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--+----------------------------+----+
|100654| 100200|  1002|Alabama A & M Uni…|    Normal|    AL|     35762|
NULL|   NULL|  NULL|      3|NULL|   1|        1|      3|      4|      1|      1|
5|  NULL|   NULL|    NULL|     NULL|   NULL|    NULL|    NULL|NULL|NULL| NULL|
NULL|   NULL|NULL| NULL|   NULL|     NULL|    NULL|  0.8989|      0.8989|
370|    450|    350|    450|   NULL|   NULL|     410|     400|    NULL|     15|
19|     14|     19|     15|     18|   NULL|   NULL|      17|      17|      17|
NULL|    823|        823|0.0397|0.0199|0.0116|     0|     0|0.0348|0.0348|
0| 0.149|0.1175|0.0348|     0|0.0281|     0|0.0182|0.0546|     0|0.1026|0.0199|
0|     0|     0|     0|     0|0.0248|     0|0.0579| 0.005|0.0364| 0.048|     0|
0|     0|     0|0.0166|     0|0.1457|     0|         0|         0|         0|
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723|              259|              105|      885|      202|          557|
```

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530|       962|         125|      1024|          63|           447|
640|         1334|          791|         395|         148|     1114|      220|
691|       643|      1158|         176|      1271|          63|           570|
764|         1257|         748|              346|              163|     1050|
207|         641|       616|      1067|         190|      1160|          97|
498|            759|         1107|         659|              314|
134|      952|      155|         609|       498|       903|         204|
1029|              78|           486|            621|         1274|
795|         350|         129|     1089|      185|         675|       599|
1013|         261|             1191|               83|           500|
774| 12430.5|        29500|          9500|          11500|            14250|
15250|       12250|       14250|      13049.5|           9500|          14250|
11000|          13312.5|               12125|  3016|        785|        2248|
1911|          774|          331|      2549|       467|       2650|
366|         1610|       1406|           1122|              1894|
NULL|       3016|        45600|        29913|         5500|         3500| 2487|
2164|      323|      2487|    2223|      2487|  12/31/2999|  05/01/2015|
691|      2358|     2614|            686|            1928|            1603|
717|             294|         2192|          422|          2239|
375|            1323|          1291|              1023|                1591|
2113|            711|            1402|            1278|            612|
223|         1812|          301|          1749|             364|
1083|          1030|               838|                 1275|     2202|
671|            1531|            1361|             618|             223|
1865|          337|          1810|              392|            1135|
1067|               833|                 1369|     2788|            797|
1991|            1776|             777|             235|         2303|
485|          2312|             476|            1448|          1340|
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33900|                36300|               31500|               36900|
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13800|            35300|             NULL|         24200|              606|
403|              178|                  NULL|               1038|
149|              562|              625|    0.453|              25600|
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PrivacySuppressed|PrivacySuppressed|         0.095014663|
PrivacySuppressed|        PrivacySuppressed|          0.218768328|
0.032258065|              0.035190616|         0.453372434|
0.083284458|              0.034604106|         0.030498534|
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0.062372188|              0.017382413|          0.029652352|
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0.030102348|         PrivacySuppressed|         PrivacySuppressed|
PrivacySuppressed|           0.192134832|          PrivacySuppressed|
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PrivacySuppressed|         PrivacySuppressed|  PrivacySuppressed|
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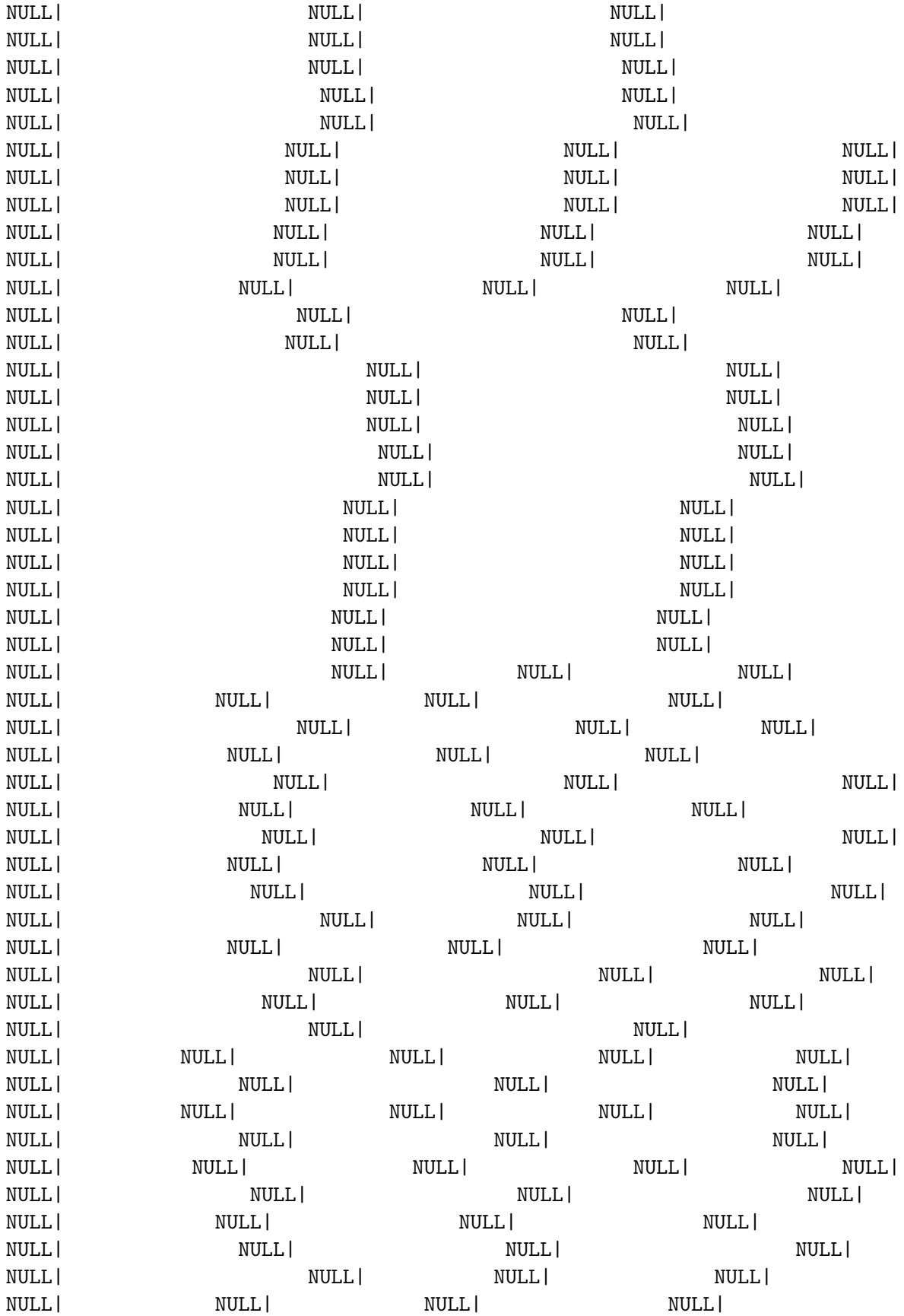
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0.5400593472|0.1372093023|0.0790697674|0.0279069767| 0.023255814|PrivacySuppress
ed|PrivacySuppressed|PrivacySuppressed|PrivacySuppressed|PrivacySuppressed|Priva
cySuppressed|PrivacySuppressed|PrivacySuppressed| 0.0474777448| 0.4925816024|
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145|PrivacySuppressed|PrivacySuppressed|       19|      185|         134|
70|       184|          20|       193|          11|           100|
104|          173|         118|          43|          12|       15|      158|
99|        74|       150|          23|       161|          12|            90|
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83|          167|         117|PrivacySuppressed|PrivacySuppressed|       15|
152|          98|        69|       141|          26|       157|          10|
79|            88|          174|
112|PrivacySuppressed|PrivacySuppressed|       10|      164|         104|
70|       130|          44|PrivacySuppressed|PrivacySuppressed|            94|
80|          187|         111|          63|          13|       16|      171|
103|        84|       134|          53|PrivacySuppressed|PrivacySuppressed|
86|           101|  7375.5|        24793|          6032|
7375.5|PrivacySuppressed|PrivacySuppressed|        2750|        7945|
7390|          7125|          7368|         7383|          6987.5|
8017|   486|         31|         457|          358|          114|           14|
35|       451|        427|           59|          301|        185|
266|              220|             NULL|        486|        32500|
17794|         4182|         2750|  430|       37|      393|       430|     337|
430|  12/31/2999|  04/10/2014|        60|       410|      420|             57|
363|             292|             111|              17|          36|
384|          348|              72|             266|          154|
214|                  206|      306|             53|             253|
173|             107|               26|          24|          282|
224|              82|             174|          132|               177|
129|      274|             52|             222|             163|
92|              19|           18|          256|           199|               75|
163|          111|               141|                  133|      323|
19|             304|             174|             122|              27|
12|          311|           229|              94|             149|
174|               148|                  175|
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59900|              NULL|          34900|                61|                75|
32|                    NULL|   PrivacySuppressed|                159|
80|                 88|     0.696|   PrivacySuppressed|               46400|
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146|         40000|         33200|             NULL|            18500|
50900|             NULL|         33600|               67|
60|PrivacySuppressed|                    NULL|  PrivacySuppressed|
141|                76|                70|    0.658|             31300|
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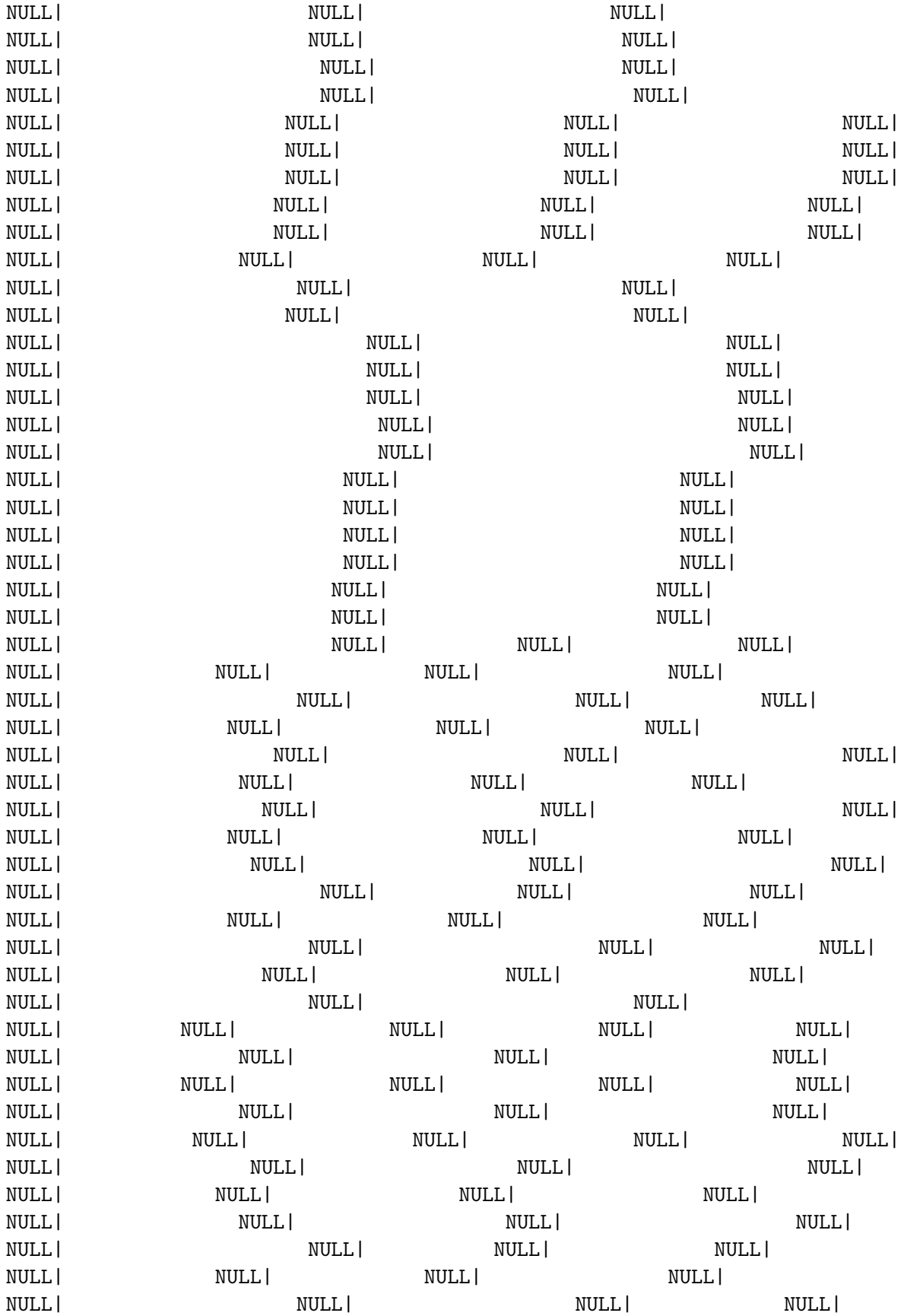
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0|         0|         0|         0|         0|         0|         0|         0|
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0|         0|         0|         0|         0|         0|         0|         0|
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0|         1|         0|         0|         0|         0|         0|         0|
0|         0|         0|         2|         0|         0|         0|         0|
1|         0|         0|         0|         0|         1|         0|         0|
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0|         0|         0|         0|         0|         0|         0|         0|
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1|         0|         0|         0|         0|         1|         0|         0|
0|         0|         1|           0| 5354|NULL|    0.0161|    0.9285|   0.0114|
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40|       13|      NULL|      NULL|      NULL|      NULL|      NULL|      NULL|
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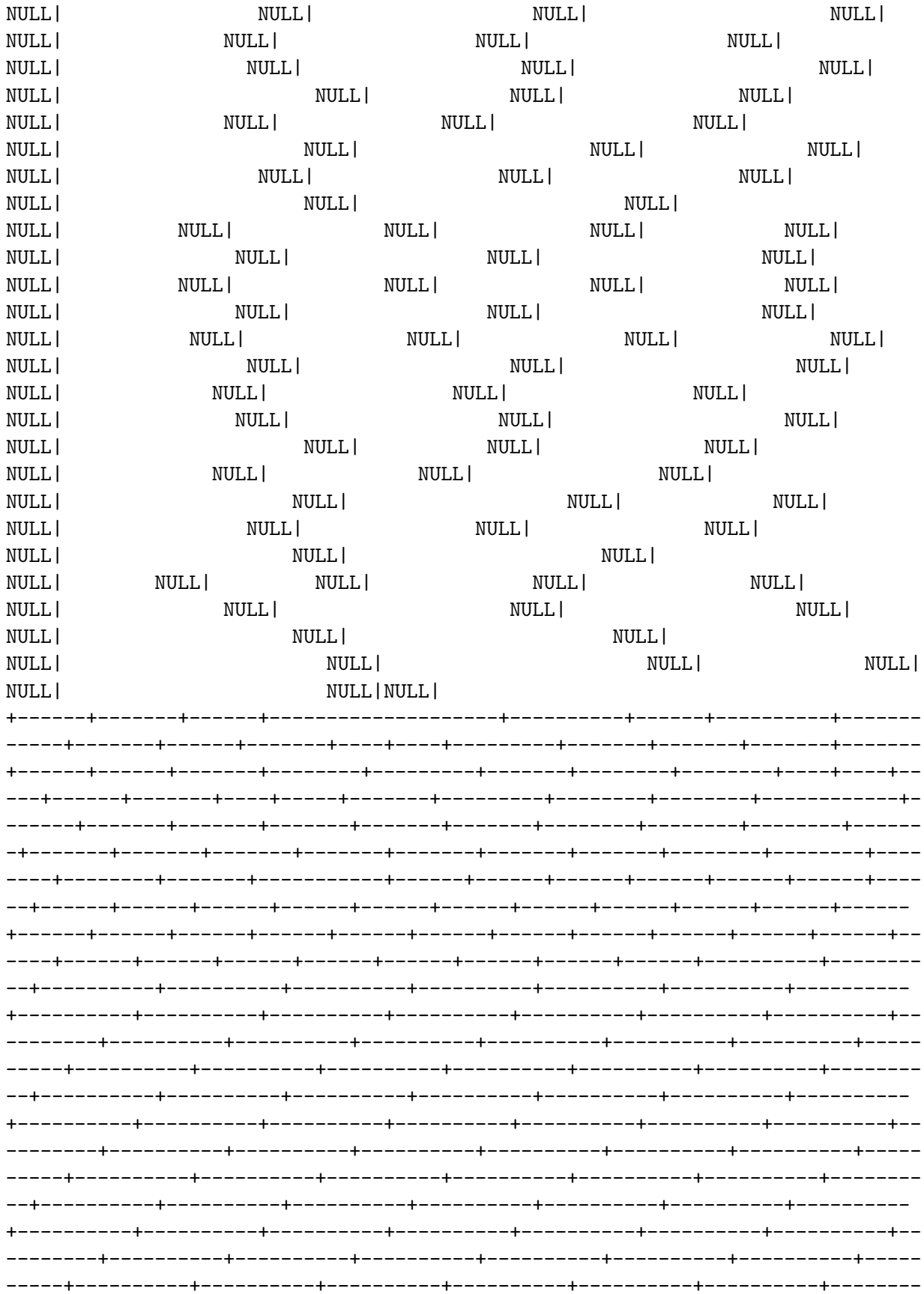
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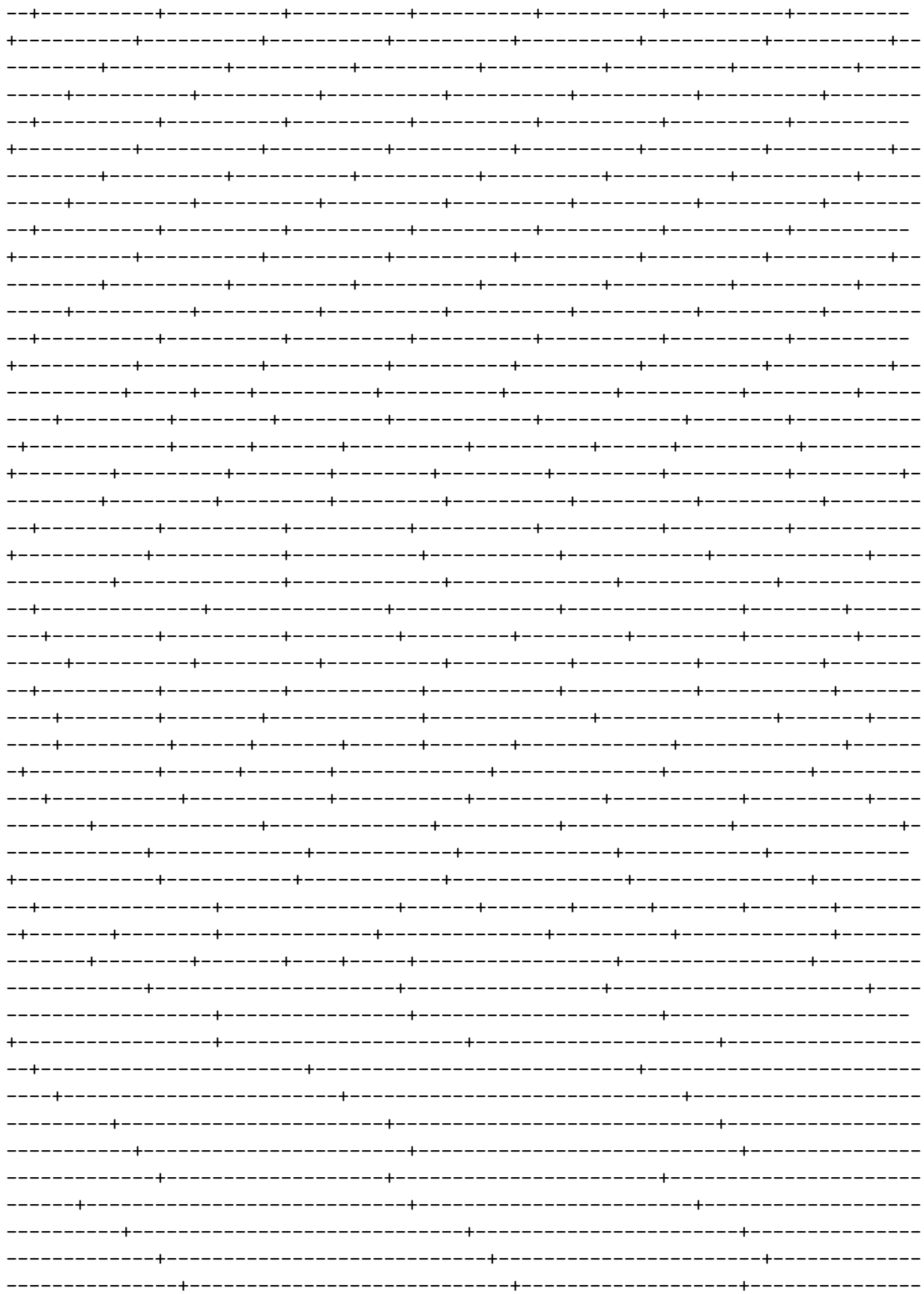

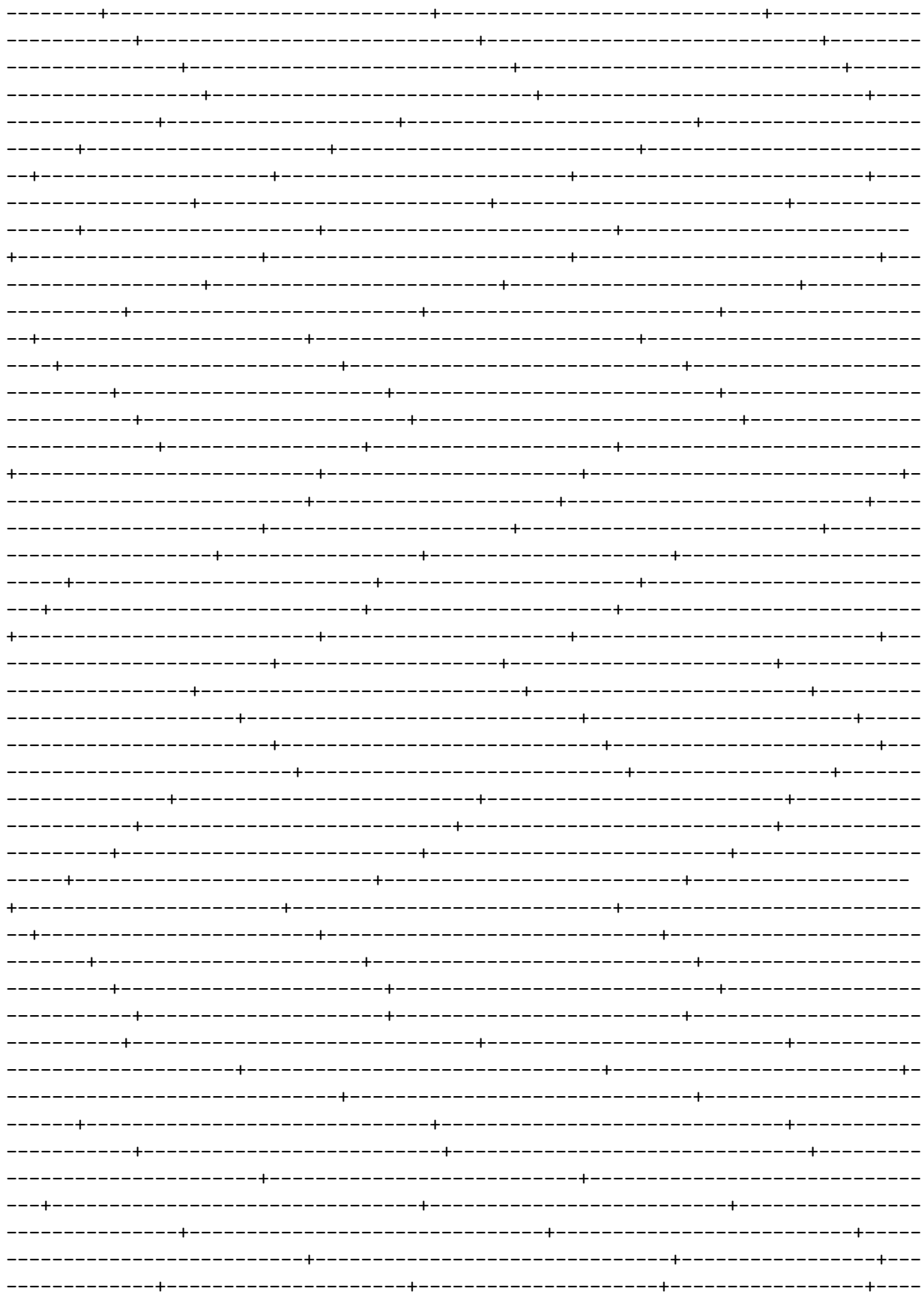

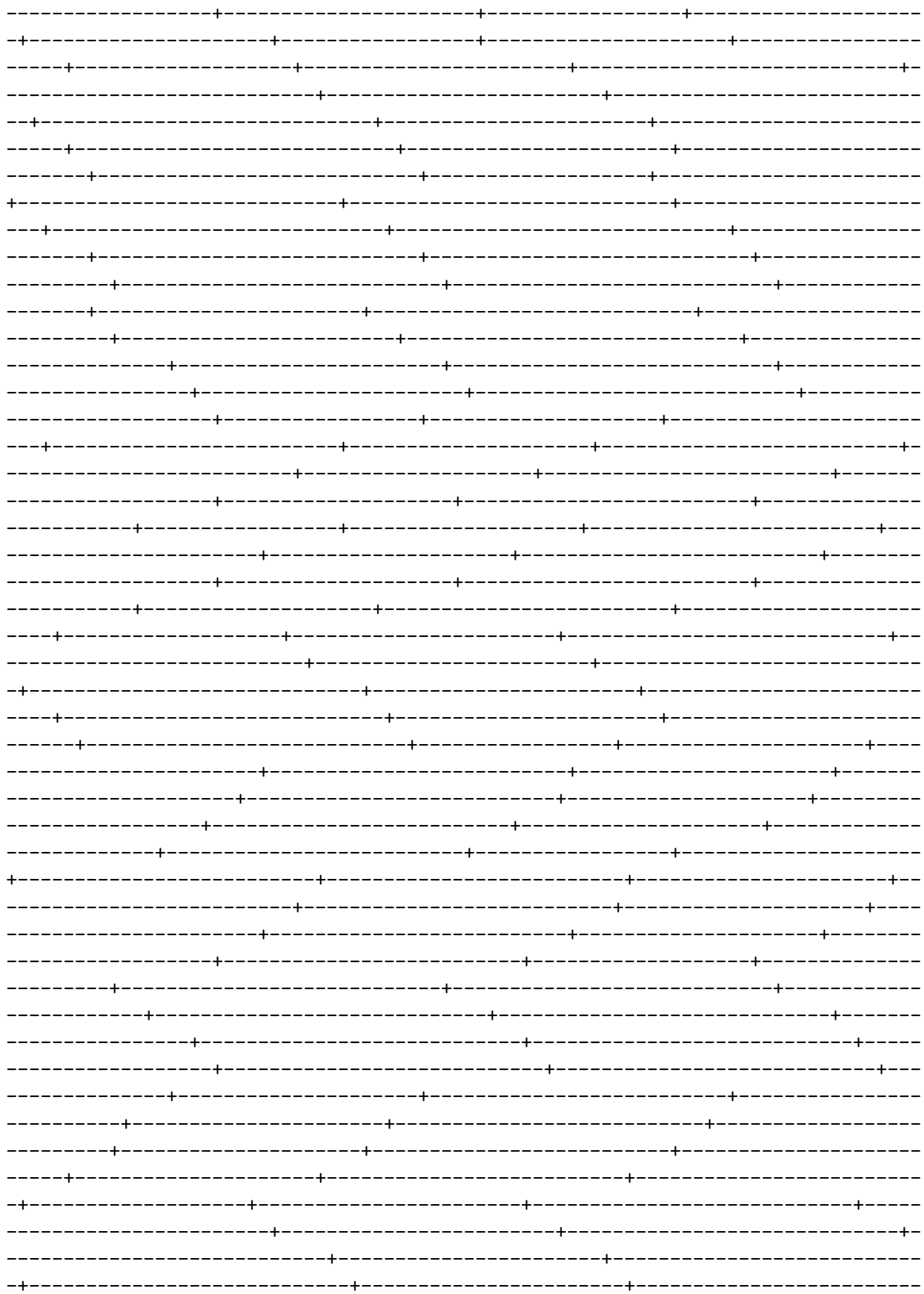

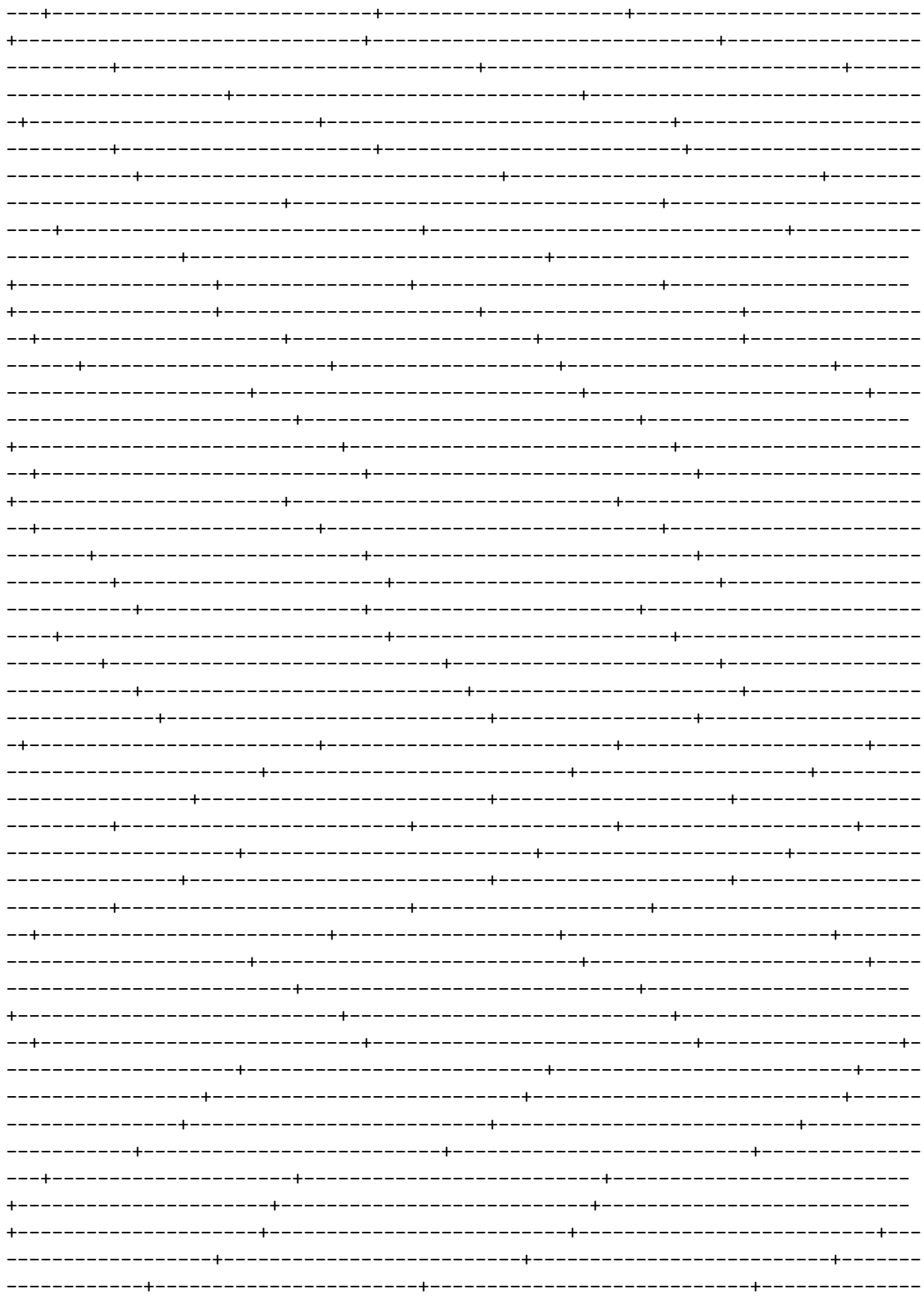

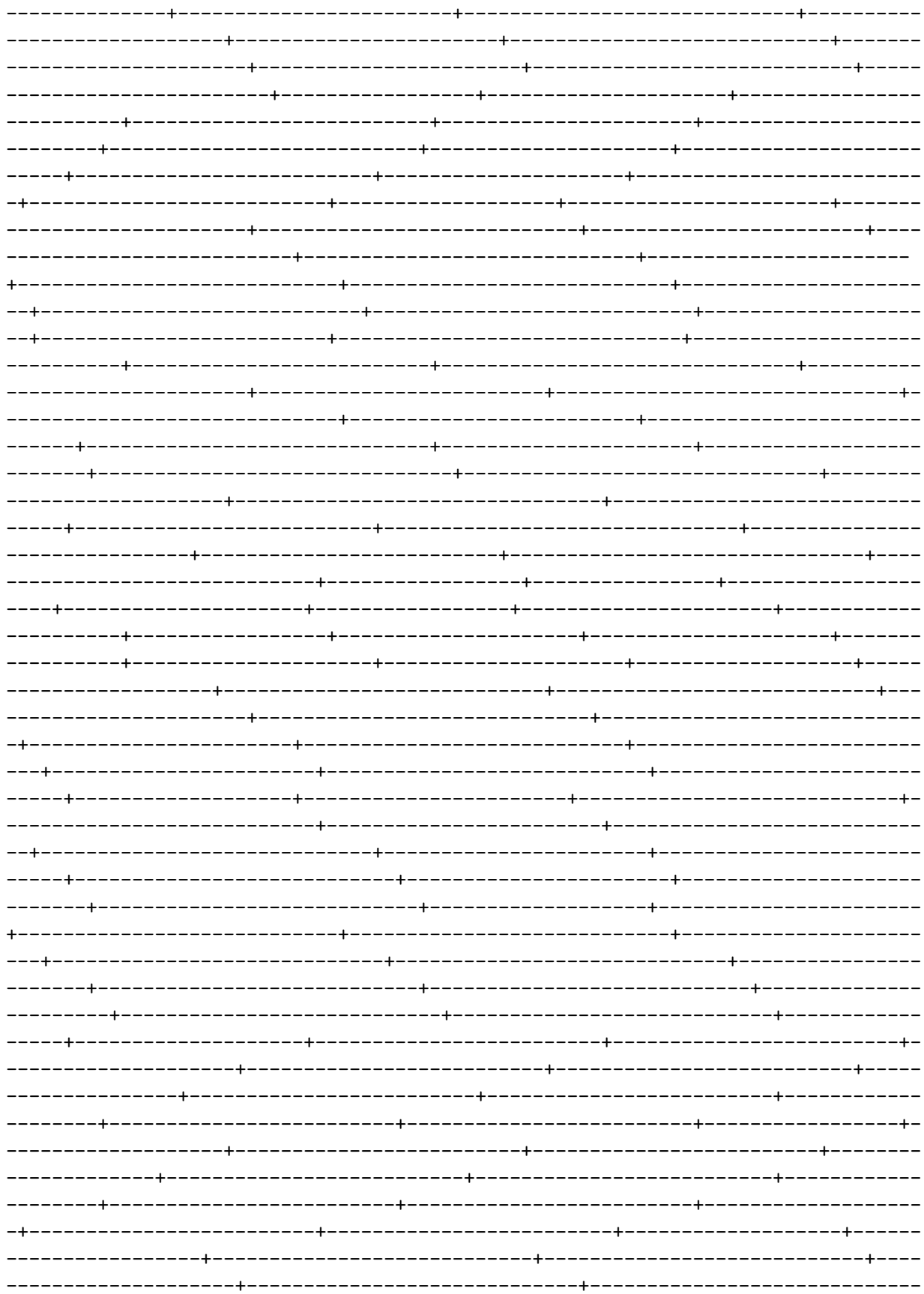

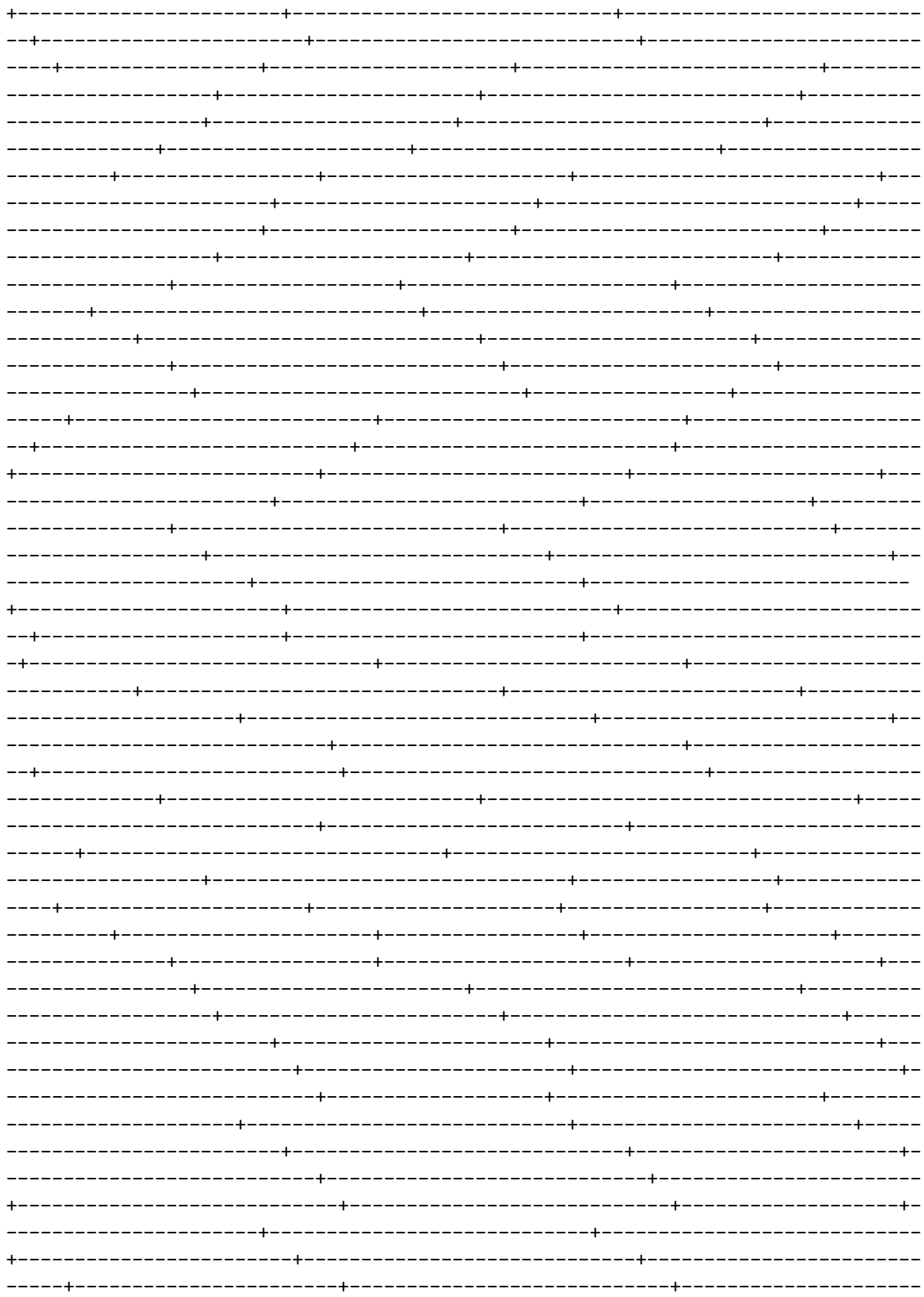

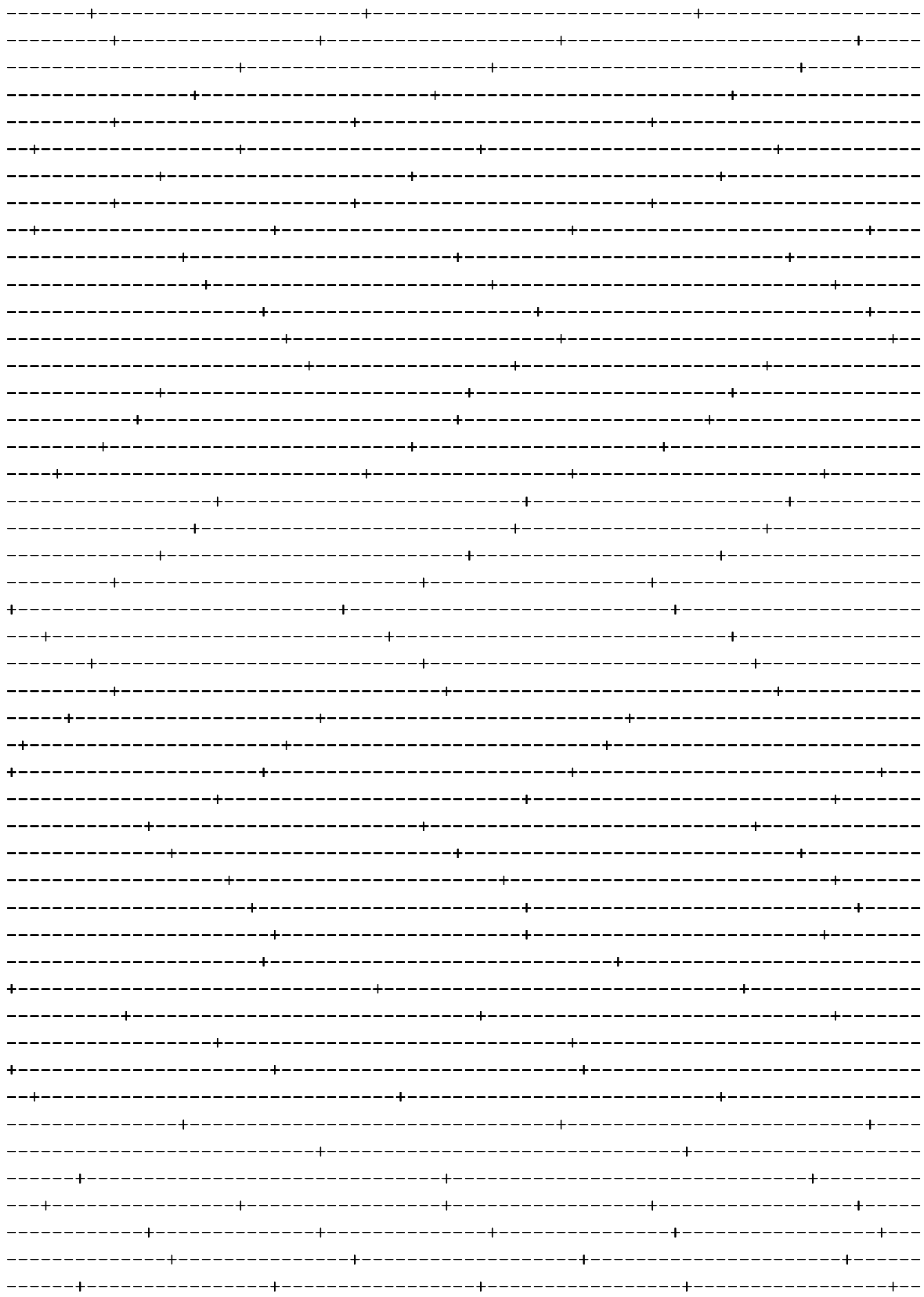

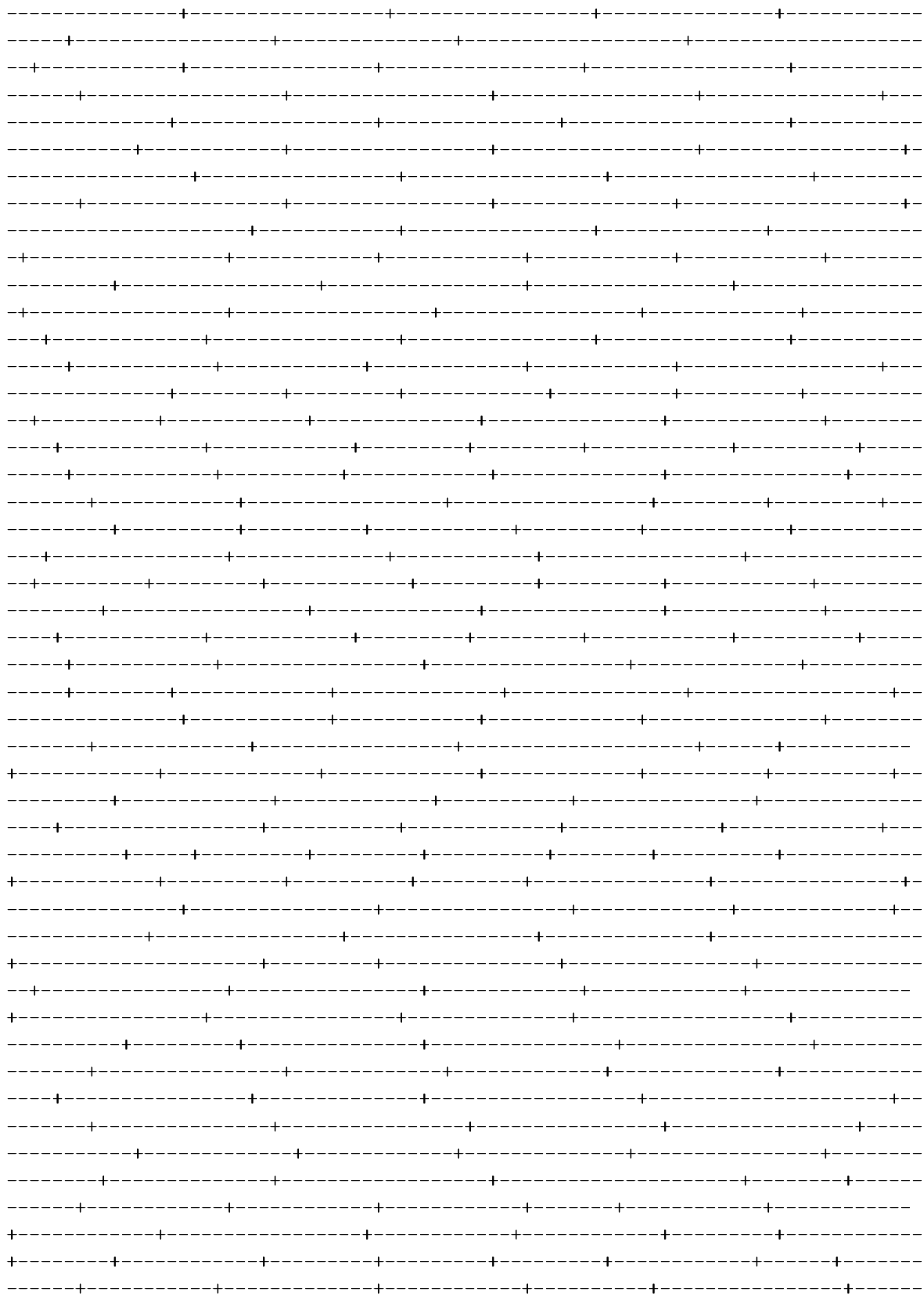

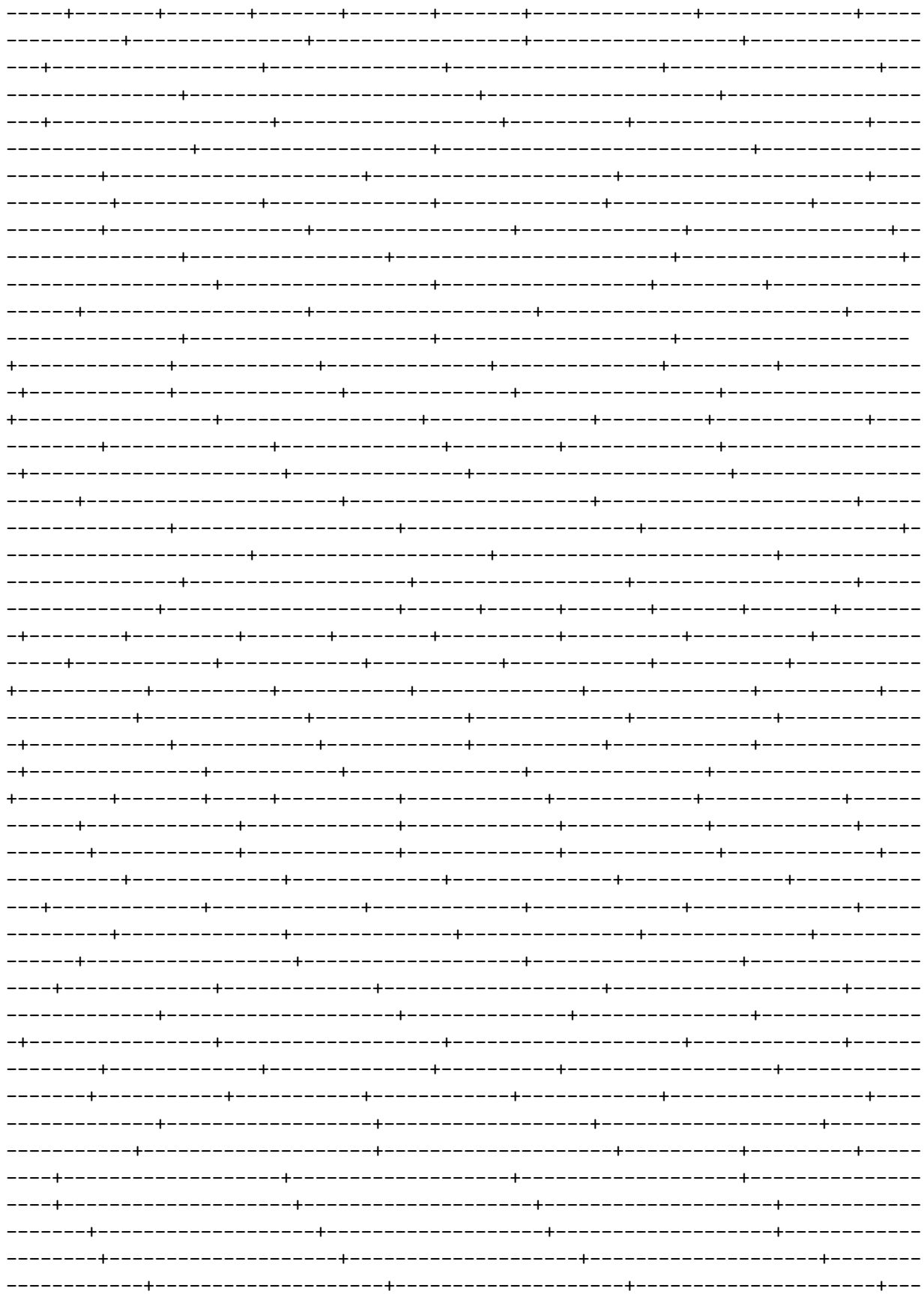

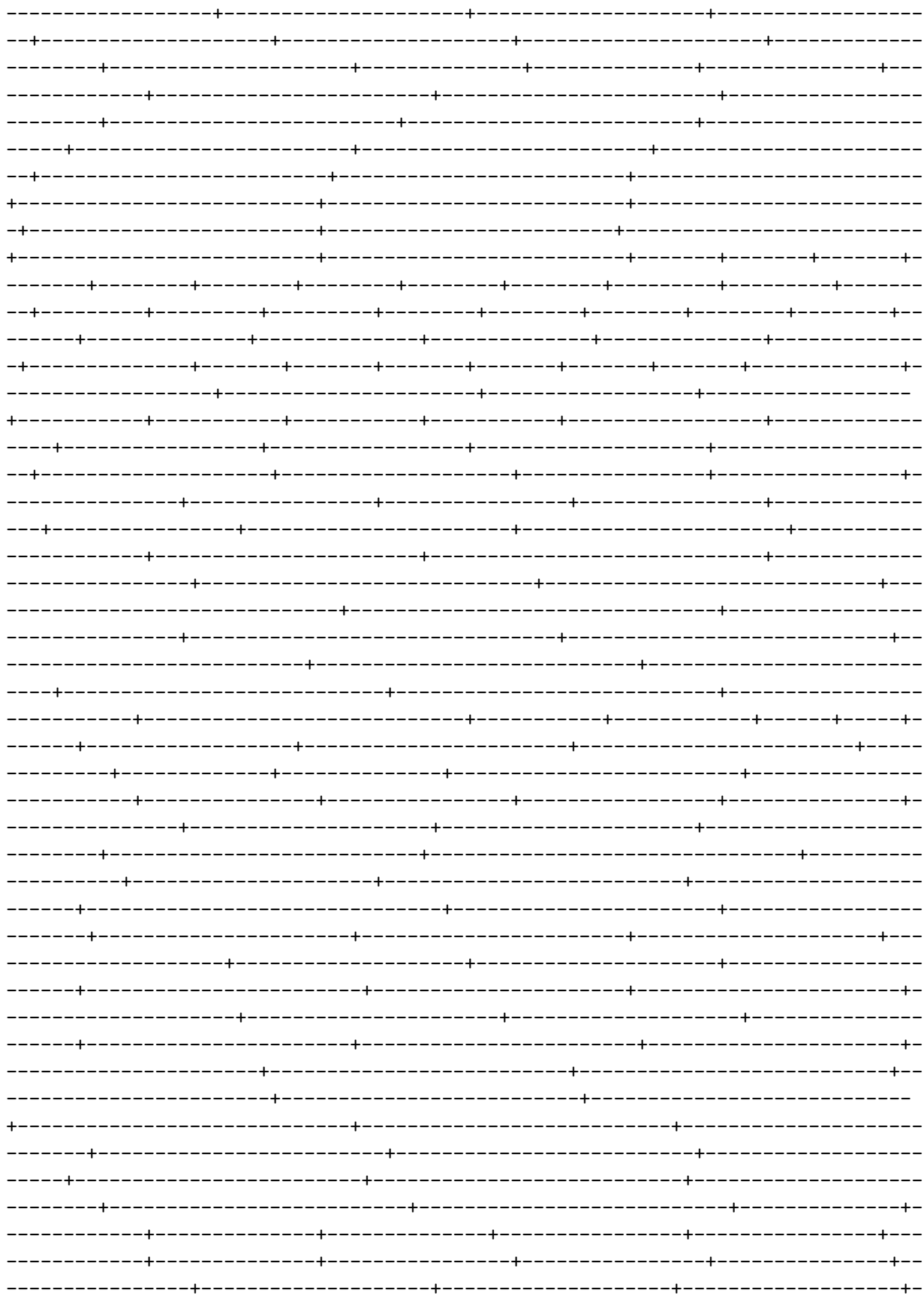

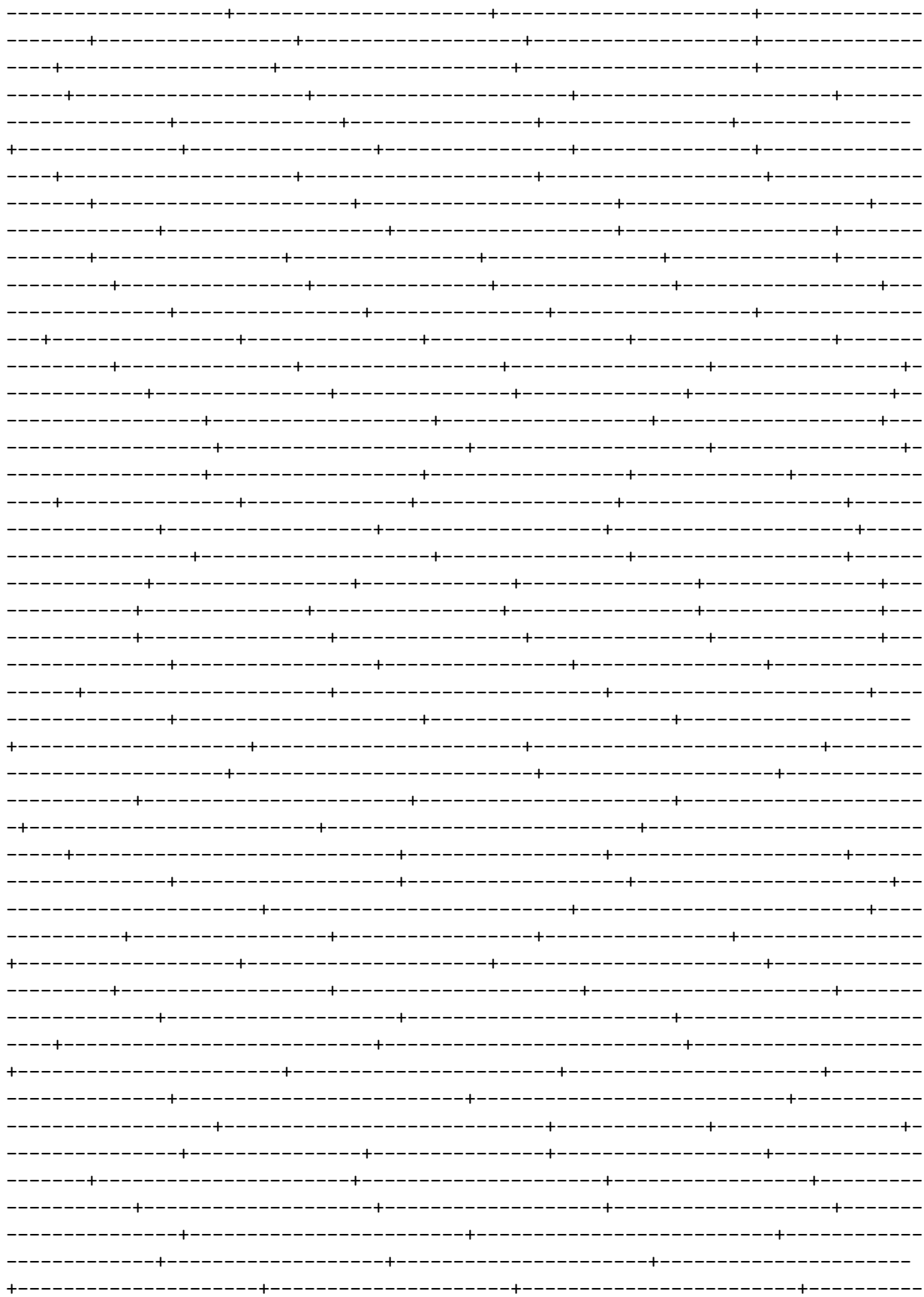

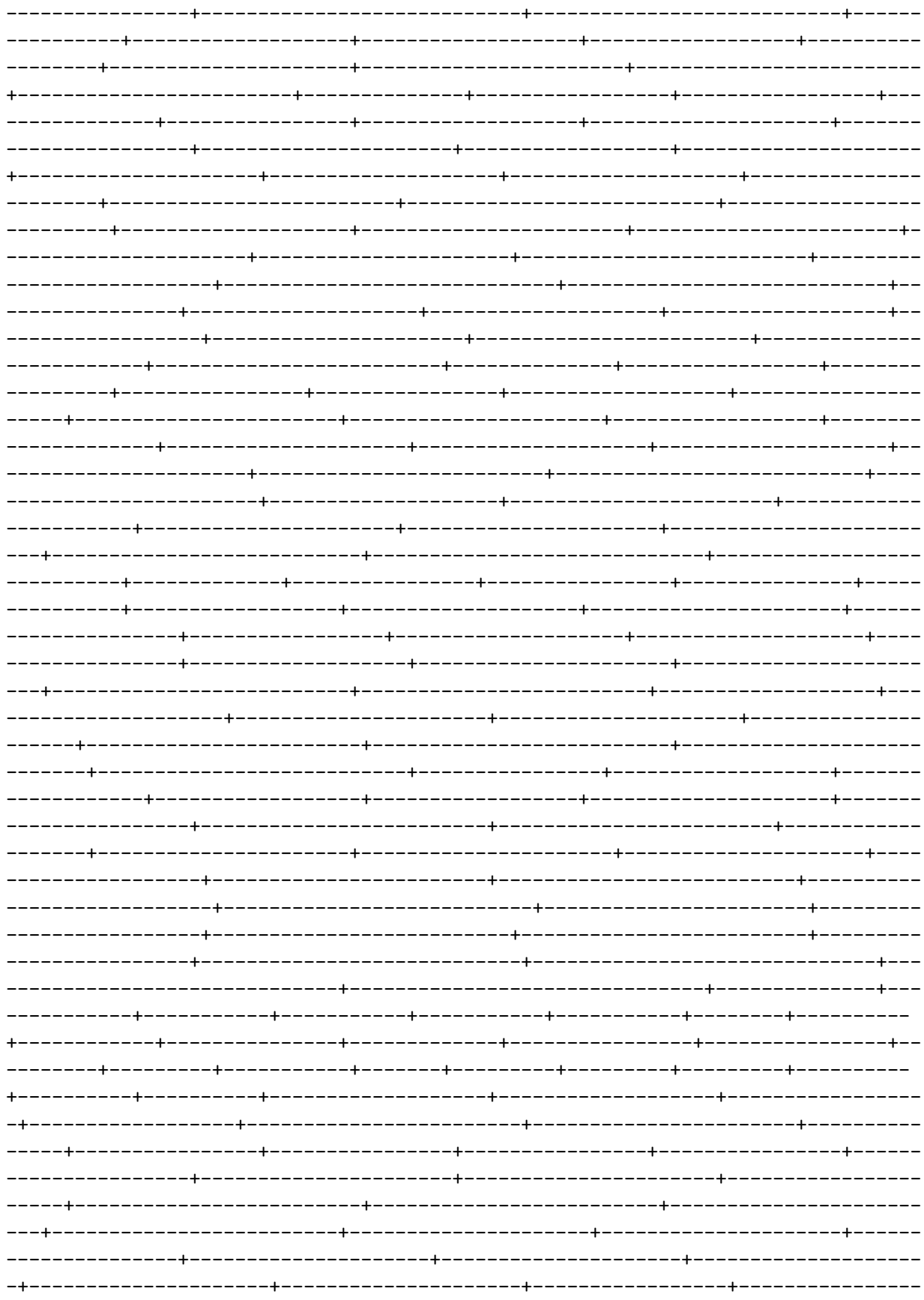

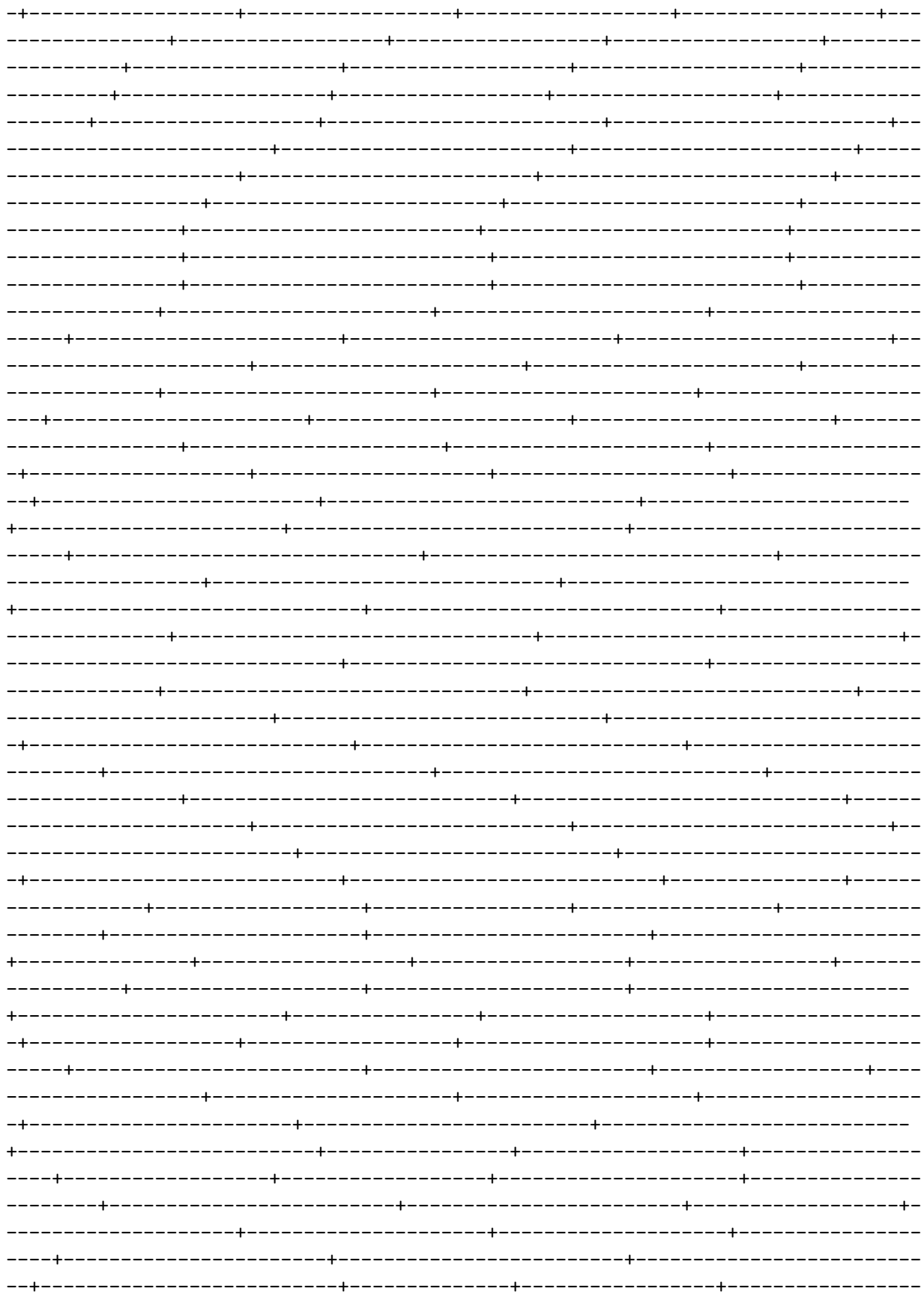

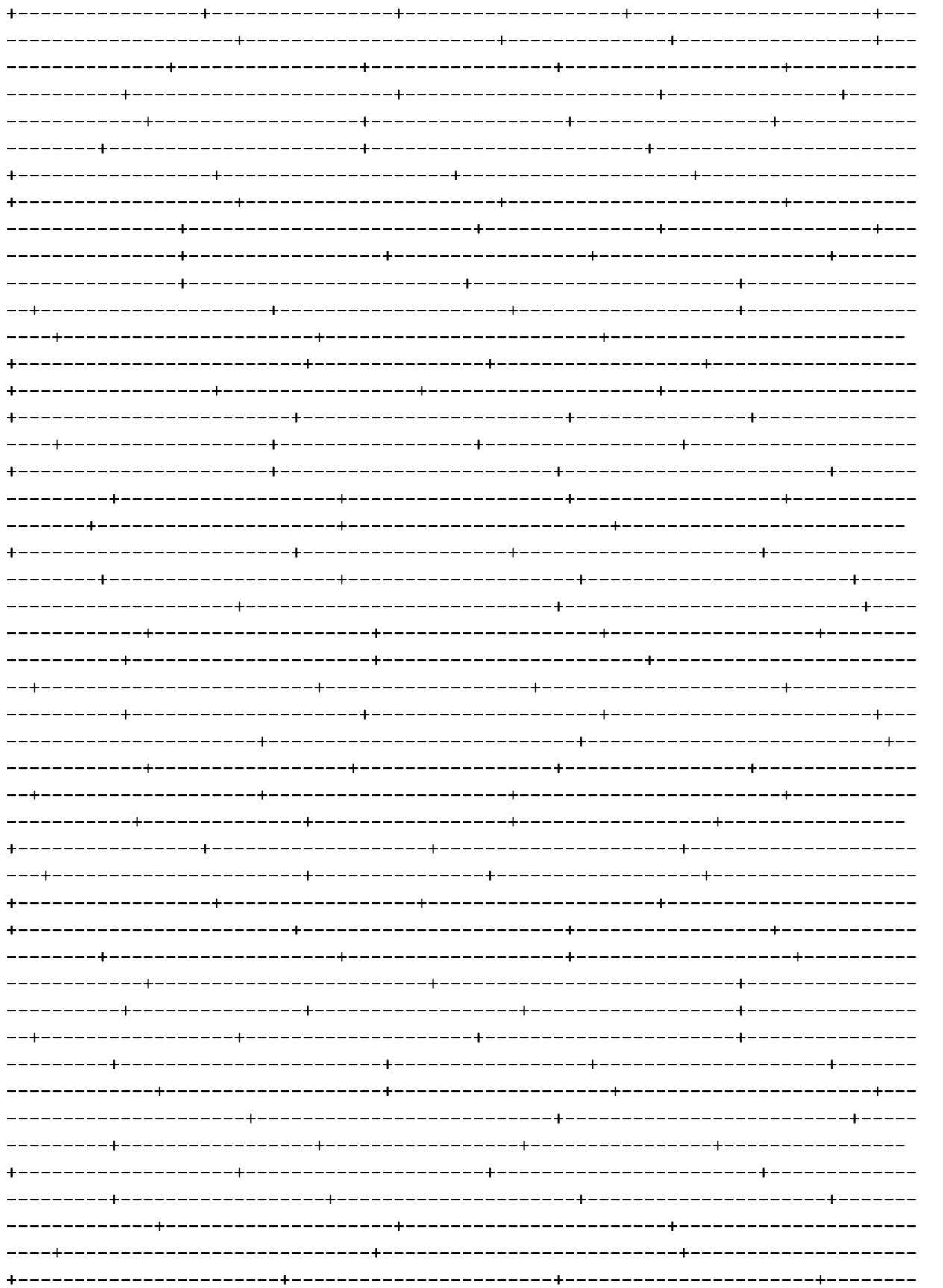

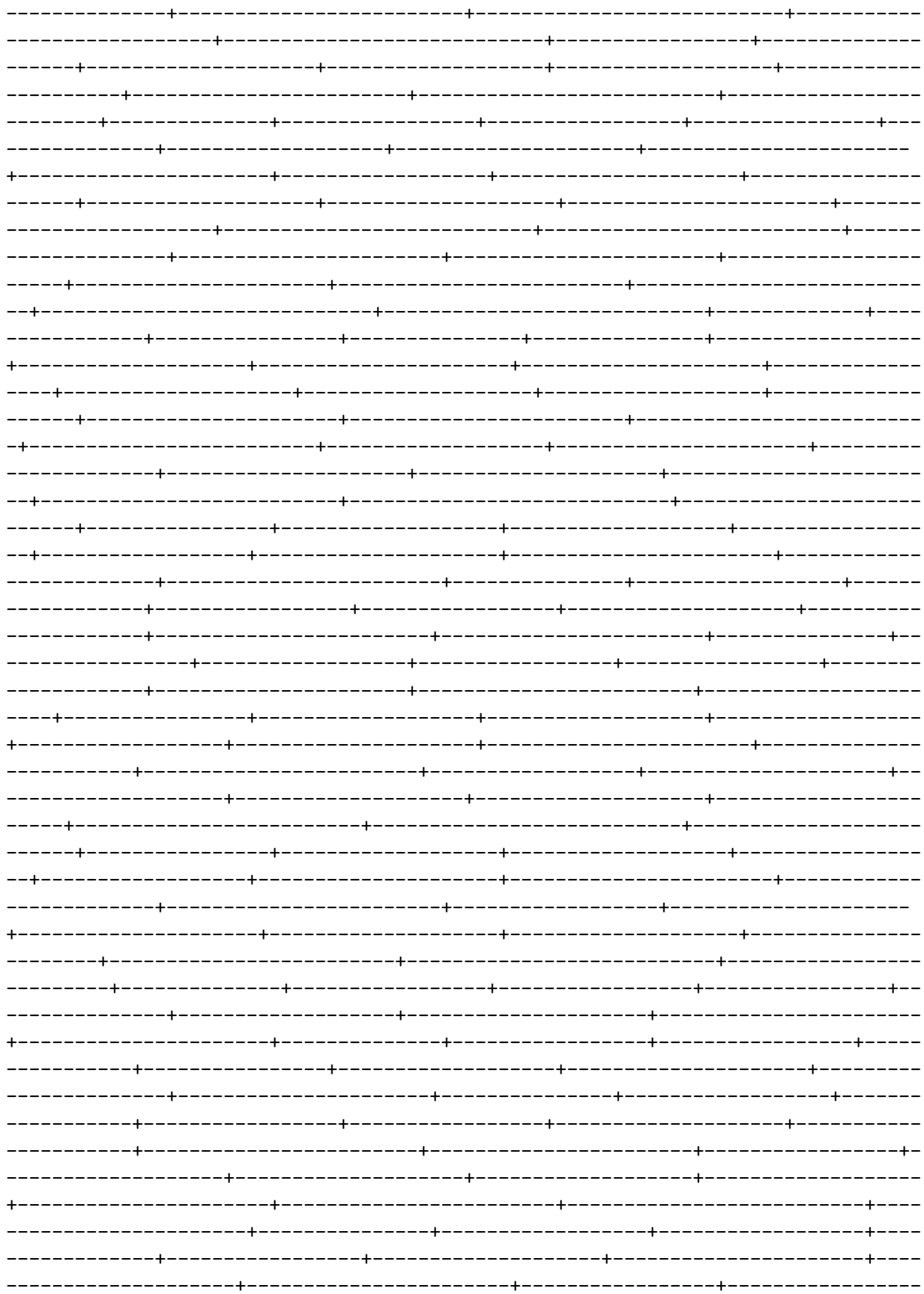

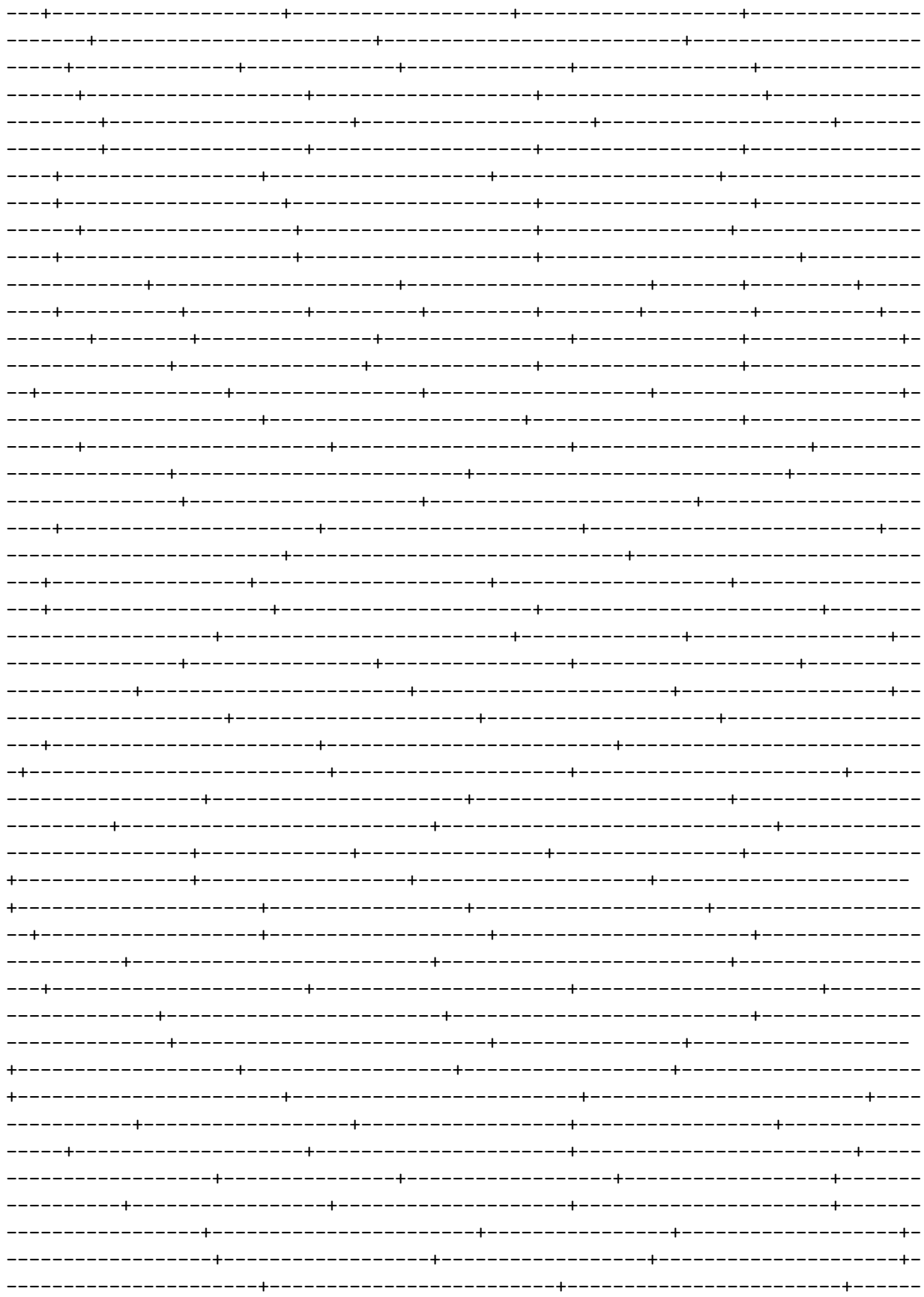

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|-- UGDS_ASIAN: string (nullable = true)
|-- UGDS_AIAN: string (nullable = true)
|-- UGDS_NHPI: string (nullable = true)
|-- UGDS_2MOR: string (nullable = true)
|-- UGDS_NRA: string (nullable = true)
|-- UGDS_UNKN: string (nullable = true)
|-- UGDS_WHITENH: string (nullable = true)
|-- UGDS_BLACKNH: string (nullable = true)
|-- UGDS_API: string (nullable = true)
|-- UGDS_AIANOLD: string (nullable = true)
|-- UGDS_HISPOLD: string (nullable = true)
```

```
|-- UG_NRA: string (nullable = true)
|-- UG_UNKN: string (nullable = true)
|-- UG_WHITENH: string (nullable = true)
|-- UG_BLACKNH: string (nullable = true)
|-- UG_API: string (nullable = true)
|-- UG_AIANOLD: string (nullable = true)
|-- UG_HISPOLD: string (nullable = true)
|-- PPTUG_EF: string (nullable = true)
|-- PPTUG_EF2: string (nullable = true)
|-- CURROPER: string (nullable = true)
|-- NPT4_PUB: string (nullable = true)
|-- NPT4_PRIV: string (nullable = true)
|-- NPT4_PROG: string (nullable = true)
|-- NPT4_OTHER: string (nullable = true)
|-- NPT41_PUB: string (nullable = true)
|-- NPT42_PUB: string (nullable = true)
|-- NPT43_PUB: string (nullable = true)
|-- NPT44_PUB: string (nullable = true)
|-- NPT45_PUB: string (nullable = true)
|-- NPT41_PRIV: string (nullable = true)
|-- NPT42_PRIV: string (nullable = true)
|-- NPT43_PRIV: string (nullable = true)
|-- NPT44_PRIV: string (nullable = true)
|-- NPT45_PRIV: string (nullable = true)
|-- NPT41_PROG: string (nullable = true)
|-- NPT42_PROG: string (nullable = true)
|-- NPT43_PROG: string (nullable = true)
|-- NPT44_PROG: string (nullable = true)
|-- NPT45_PROG: string (nullable = true)
|-- NPT41_OTHER: string (nullable = true)
|-- NPT42_OTHER: string (nullable = true)
|-- NPT43_OTHER: string (nullable = true)
|-- NPT44_OTHER: string (nullable = true)
|-- NPT45_OTHER: string (nullable = true)
|-- NPT4_048_PUB: string (nullable = true)
|-- NPT4_048_PRIV: string (nullable = true)
|-- NPT4_048_PROG: string (nullable = true)
|-- NPT4_048_OTHER: string (nullable = true)
|-- NPT4_3075_PUB: string (nullable = true)
|-- NPT4_3075_PRIV: string (nullable = true)
|-- NPT4_75UP_PUB: string (nullable = true)
|-- NPT4_75UP_PRIV: string (nullable = true)
|-- NPT4_3075_PROG: string (nullable = true)
|-- NPT4_3075_OTHER: string (nullable = true)
|-- NPT4_75UP_PROG: string (nullable = true)
|-- NPT4_75UP_OTHER: string (nullable = true)
|-- NUM4_PUB: string (nullable = true)
|-- NUM4_PRIV: string (nullable = true)
```

```
|-- NUM4_PROG: string (nullable = true)
|-- NUM4_OTHER: string (nullable = true)
|-- NUM41_PUB: string (nullable = true)
|-- NUM42_PUB: string (nullable = true)
|-- NUM43_PUB: string (nullable = true)
|-- NUM44_PUB: string (nullable = true)
|-- NUM45_PUB: string (nullable = true)
|-- NUM41_PRIV: string (nullable = true)
|-- NUM42_PRIV: string (nullable = true)
|-- NUM43_PRIV: string (nullable = true)
|-- NUM44_PRIV: string (nullable = true)
|-- NUM45_PRIV: string (nullable = true)
|-- NUM41_PROG: string (nullable = true)
|-- NUM42_PROG: string (nullable = true)
|-- NUM43_PROG: string (nullable = true)
|-- NUM44_PROG: string (nullable = true)
|-- NUM45_PROG: string (nullable = true)
|-- NUM41_OTHER: string (nullable = true)
|-- NUM42_OTHER: string (nullable = true)
|-- NUM43_OTHER: string (nullable = true)
|-- NUM44_OTHER: string (nullable = true)
|-- NUM45_OTHER: string (nullable = true)
|-- COSTT4_A: string (nullable = true)
|-- COSTT4_P: string (nullable = true)
|-- TUITIONFEE_IN: string (nullable = true)
|-- TUITIONFEE_OUT: string (nullable = true)
|-- TUITIONFEE_PROG: string (nullable = true)
|-- TUITFTE: string (nullable = true)
|-- INEXPFTE: string (nullable = true)
|-- AVGFACSAL: string (nullable = true)
|-- PFTFAC: string (nullable = true)
|-- PCTPELL: string (nullable = true)
|-- C150_4: string (nullable = true)
|-- C150_L4: string (nullable = true)
|-- C150_4_POOLED: string (nullable = true)
|-- C150_L4_POOLED: string (nullable = true)
|-- POOLYRS: string (nullable = true)
|-- PFTFTUG1_EF: string (nullable = true)
|-- D150_4: string (nullable = true)
|-- D150_L4: string (nullable = true)
|-- D150_4_POOLED: string (nullable = true)
|-- D150_L4_POOLED: string (nullable = true)
|-- C150_4_WHITE: string (nullable = true)
|-- C150_4_BLACK: string (nullable = true)
|-- C150_4_HISP: string (nullable = true)
|-- C150_4_ASIAN: string (nullable = true)
|-- C150_4_AIAN: string (nullable = true)
|-- C150_4_NHPI: string (nullable = true)
```

```
|-- C150_4_2MOR: string (nullable = true)
|-- C150_4_NRA: string (nullable = true)
|-- C150_4_UNKN: string (nullable = true)
|-- C150_4_WHITENH: string (nullable = true)
|-- C150_4_BLACKNH: string (nullable = true)
|-- C150_4_API: string (nullable = true)
|-- C150_4_AIANOLD: string (nullable = true)
|-- C150_4_HISPOLD: string (nullable = true)
|-- C150_L4_WHITE: string (nullable = true)
|-- C150_L4_BLACK: string (nullable = true)
|-- C150_L4_HISP: string (nullable = true)
|-- C150_L4_ASIAN: string (nullable = true)
|-- C150_L4_AIAN: string (nullable = true)
|-- C150_L4_NHPI: string (nullable = true)
|-- C150_L4_2MOR: string (nullable = true)
|-- C150_L4_NRA: string (nullable = true)
|-- C150_L4_UNKN: string (nullable = true)
|-- C150_L4_WHITENH: string (nullable = true)
|-- C150_L4_BLACKNH: string (nullable = true)
|-- C150_L4_API: string (nullable = true)
|-- C150_L4_AIANOLD: string (nullable = true)
|-- C150_L4_HISPOLD: string (nullable = true)
|-- C200_4: string (nullable = true)
|-- C200_L4: string (nullable = true)
|-- D200_4: string (nullable = true)
|-- D200_L4: string (nullable = true)
|-- RET_FT4: string (nullable = true)
|-- RET_FTL4: string (nullable = true)
|-- RET_PT4: string (nullable = true)
|-- RET_PTL4: string (nullable = true)
|-- C200_4_POOLED: string (nullable = true)
|-- C200_L4_POOLED: string (nullable = true)
|-- POOLYRS200: string (nullable = true)
|-- D200_4_POOLED: string (nullable = true)
|-- D200_L4_POOLED: string (nullable = true)
|-- PCTFLOAN: string (nullable = true)
|-- UG25ABV: string (nullable = true)
|-- CDR2: string (nullable = true)
|-- CDR3: string (nullable = true)
|-- DEATH_YR2_RT: string (nullable = true)
|-- COMP_ORIG_YR2_RT: string (nullable = true)
|-- COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- WDRAW_ORIG_YR2_RT: string (nullable = true)
|-- WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- ENRL_ORIG_YR2_RT: string (nullable = true)
|-- ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
```

```
|-- ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
|-- UNKN_ORIG_YR2_RT: string (nullable = true)
|-- UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- LO_INC_DEATH_YR2_RT: string (nullable = true)
|-- LO_INC_COMP_ORIG_YR2_RT: string (nullable = true)
|-- LO_INC_COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- LO_INC_COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- LO_INC_WDRAW_ORIG_YR2_RT: string (nullable = true)
|-- LO_INC_WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- LO_INC_WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- LO_INC_ENRL_ORIG_YR2_RT: string (nullable = true)
|-- LO_INC_ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
|-- LO_INC_ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
|-- LO_INC_UNKN_ORIG_YR2_RT: string (nullable = true)
|-- LO_INC_UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- LO_INC_UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- MD_INC_DEATH_YR2_RT: string (nullable = true)
|-- MD_INC_COMP_ORIG_YR2_RT: string (nullable = true)
|-- MD_INC_COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- MD_INC_COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- MD_INC_WDRAW_ORIG_YR2_RT: string (nullable = true)
|-- MD_INC_WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- MD_INC_WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- MD_INC_ENRL_ORIG_YR2_RT: string (nullable = true)
|-- MD_INC_ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
|-- MD_INC_ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
|-- MD_INC_UNKN_ORIG_YR2_RT: string (nullable = true)
|-- MD_INC_UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- MD_INC_UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- HI_INC_DEATH_YR2_RT: string (nullable = true)
|-- HI_INC_COMP_ORIG_YR2_RT: string (nullable = true)
|-- HI_INC_COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- HI_INC_COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- HI_INC_WDRAW_ORIG_YR2_RT: string (nullable = true)
|-- HI_INC_WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- HI_INC_WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- HI_INC_ENRL_ORIG_YR2_RT: string (nullable = true)
|-- HI_INC_ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
|-- HI_INC_ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
|-- HI_INC_UNKN_ORIG_YR2_RT: string (nullable = true)
|-- HI_INC_UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- HI_INC_UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- DEP_DEATH_YR2_RT: string (nullable = true)
|-- DEP_COMP_ORIG_YR2_RT: string (nullable = true)
|-- DEP_COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- DEP_COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- DEP_WDRAW_ORIG_YR2_RT: string (nullable = true)
```

```
|-- DEP_WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- DEP_WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- DEP_ENRL_ORIG_YR2_RT: string (nullable = true)
|-- DEP_ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
|-- DEP_ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
|-- DEP_UNKN_ORIG_YR2_RT: string (nullable = true)
|-- DEP_UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- DEP_UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- IND_DEATH_YR2_RT: string (nullable = true)
|-- IND_COMP_ORIG_YR2_RT: string (nullable = true)
|-- IND_COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- IND_COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- IND_WDRAW_ORIG_YR2_RT: string (nullable = true)
|-- IND_WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- IND_WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- IND_ENRL_ORIG_YR2_RT: string (nullable = true)
|-- IND_ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
|-- IND_ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
|-- IND_UNKN_ORIG_YR2_RT: string (nullable = true)
|-- IND_UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- IND_UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- FEMALE_DEATH_YR2_RT: string (nullable = true)
|-- FEMALE_COMP_ORIG_YR2_RT: string (nullable = true)
|-- FEMALE_COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- FEMALE_COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- FEMALE_WDRAW_ORIG_YR2_RT: string (nullable = true)
|-- FEMALE_WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- FEMALE_WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- FEMALE_ENRL_ORIG_YR2_RT: string (nullable = true)
|-- FEMALE_ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
|-- FEMALE_ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
|-- FEMALE_UNKN_ORIG_YR2_RT: string (nullable = true)
|-- FEMALE_UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- FEMALE_UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- MALE_DEATH_YR2_RT: string (nullable = true)
|-- MALE_COMP_ORIG_YR2_RT: string (nullable = true)
|-- MALE_COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- MALE_COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- MALE_WDRAW_ORIG_YR2_RT: string (nullable = true)
|-- MALE_WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- MALE_WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- MALE_ENRL_ORIG_YR2_RT: string (nullable = true)
|-- MALE_ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
|-- MALE_ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
|-- MALE_UNKN_ORIG_YR2_RT: string (nullable = true)
|-- MALE_UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- MALE_UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- PELL_DEATH_YR2_RT: string (nullable = true)
```

```
|-- PELL_COMP_ORIG_YR2_RT: string (nullable = true)
|-- PELL_COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- PELL_COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- PELL_WDRAW_ORIG_YR2_RT: string (nullable = true)
|-- PELL_WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- PELL_WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- PELL_ENRL_ORIG_YR2_RT: string (nullable = true)
|-- PELL_ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
|-- PELL_ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
|-- PELL_UNKN_ORIG_YR2_RT: string (nullable = true)
|-- PELL_UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- PELL_UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- NOPELL_DEATH_YR2_RT: string (nullable = true)
|-- NOPELL_COMP_ORIG_YR2_RT: string (nullable = true)
|-- NOPELL_COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- NOPELL_COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- NOPELL_WDRAW_ORIG_YR2_RT: string (nullable = true)
|-- NOPELL_WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- NOPELL_WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- NOPELL_ENRL_ORIG_YR2_RT: string (nullable = true)
|-- NOPELL_ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
|-- NOPELL_ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
|-- NOPELL_UNKN_ORIG_YR2_RT: string (nullable = true)
|-- NOPELL_UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- NOPELL_UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- LOAN_DEATH_YR2_RT: string (nullable = true)
|-- LOAN_COMP_ORIG_YR2_RT: string (nullable = true)
|-- LOAN_COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- LOAN_COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- LOAN_WDRAW_ORIG_YR2_RT: string (nullable = true)
|-- LOAN_WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- LOAN_WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- LOAN_ENRL_ORIG_YR2_RT: string (nullable = true)
|-- LOAN_ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
|-- LOAN_ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
|-- LOAN_UNKN_ORIG_YR2_RT: string (nullable = true)
|-- LOAN_UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- LOAN_UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- NOLOAN_DEATH_YR2_RT: string (nullable = true)
|-- NOLOAN_COMP_ORIG_YR2_RT: string (nullable = true)
|-- NOLOAN_COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- NOLOAN_COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- NOLOAN_WDRAW_ORIG_YR2_RT: string (nullable = true)
|-- NOLOAN_WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- NOLOAN_WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- NOLOAN_ENRL_ORIG_YR2_RT: string (nullable = true)
|-- NOLOAN_ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
|-- NOLOAN_ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
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|-- NOLOAN_UNKN_ORIG_YR2_RT: string (nullable = true)
|-- NOLOAN_UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- NOLOAN_UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- FIRSTGEN_DEATH_YR2_RT: string (nullable = true)
|-- FIRSTGEN_COMP_ORIG_YR2_RT: string (nullable = true)
|-- FIRSTGEN_COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- FIRSTGEN_COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- FIRSTGEN_WDRAW_ORIG_YR2_RT: string (nullable = true)
|-- FIRSTGEN_WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- FIRSTGEN_WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_ORIG_YR2_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_ORIG_YR2_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- NOT1STGEN_DEATH_YR2_RT: string (nullable = true)
|-- NOT1STGEN_COMP_ORIG_YR2_RT: string (nullable = true)
|-- NOT1STGEN_COMP_4YR_TRANS_YR2_RT: string (nullable = true)
|-- NOT1STGEN_COMP_2YR_TRANS_YR2_RT: string (nullable = true)
|-- NOT1STGEN_WDRAW_ORIG_YR2_RT: string (nullable = true)
|-- NOT1STGEN_WDRAW_4YR_TRANS_YR2_RT: string (nullable = true)
|-- NOT1STGEN_WDRAW_2YR_TRANS_YR2_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_ORIG_YR2_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_4YR_TRANS_YR2_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_2YR_TRANS_YR2_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_ORIG_YR2_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_4YR_TRANS_YR2_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_2YR_TRANS_YR2_RT: string (nullable = true)
|-- DEATH_YR3_RT: string (nullable = true)
|-- COMP_ORIG_YR3_RT: string (nullable = true)
|-- COMP_4YR_TRANS_YR3_RT: string (nullable = true)
|-- COMP_2YR_TRANS_YR3_RT: string (nullable = true)
|-- WDRAW_ORIG_YR3_RT: string (nullable = true)
|-- WDRAW_4YR_TRANS_YR3_RT: string (nullable = true)
|-- WDRAW_2YR_TRANS_YR3_RT: string (nullable = true)
|-- ENRL_ORIG_YR3_RT: string (nullable = true)
|-- ENRL_4YR_TRANS_YR3_RT: string (nullable = true)
|-- ENRL_2YR_TRANS_YR3_RT: string (nullable = true)
|-- UNKN_ORIG_YR3_RT: string (nullable = true)
|-- UNKN_4YR_TRANS_YR3_RT: string (nullable = true)
|-- UNKN_2YR_TRANS_YR3_RT: string (nullable = true)
|-- LO_INC_DEATH_YR3_RT: string (nullable = true)
|-- LO_INC_COMP_ORIG_YR3_RT: string (nullable = true)
|-- LO_INC_COMP_4YR_TRANS_YR3_RT: string (nullable = true)
|-- LO_INC_COMP_2YR_TRANS_YR3_RT: string (nullable = true)
|-- LO_INC_WDRAW_ORIG_YR3_RT: string (nullable = true)
|-- LO_INC_WDRAW_4YR_TRANS_YR3_RT: string (nullable = true)
```

```
|-- LO_INC_WDRAW_2YR_TRANS_YR3_RT: string (nullable = true)
|-- LO_INC_ENRL_ORIG_YR3_RT: string (nullable = true)
|-- LO_INC_ENRL_4YR_TRANS_YR3_RT: string (nullable = true)
|-- LO_INC_ENRL_2YR_TRANS_YR3_RT: string (nullable = true)
|-- LO_INC_UNKN_ORIG_YR3_RT: string (nullable = true)
|-- LO_INC_UNKN_4YR_TRANS_YR3_RT: string (nullable = true)
|-- LO_INC_UNKN_2YR_TRANS_YR3_RT: string (nullable = true)
|-- MD_INC_DEATH_YR3_RT: string (nullable = true)
|-- MD_INC_COMP_ORIG_YR3_RT: string (nullable = true)
|-- MD_INC_COMP_4YR_TRANS_YR3_RT: string (nullable = true)
|-- MD_INC_COMP_2YR_TRANS_YR3_RT: string (nullable = true)
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|-- MD_INC_WDRAW_4YR_TRANS_YR3_RT: string (nullable = true)
|-- MD_INC_WDRAW_2YR_TRANS_YR3_RT: string (nullable = true)
|-- MD_INC_ENRL_ORIG_YR3_RT: string (nullable = true)
|-- MD_INC_ENRL_4YR_TRANS_YR3_RT: string (nullable = true)
|-- MD_INC_ENRL_2YR_TRANS_YR3_RT: string (nullable = true)
|-- MD_INC_UNKN_ORIG_YR3_RT: string (nullable = true)
|-- MD_INC_UNKN_4YR_TRANS_YR3_RT: string (nullable = true)
|-- MD_INC_UNKN_2YR_TRANS_YR3_RT: string (nullable = true)
|-- HI_INC_DEATH_YR3_RT: string (nullable = true)
|-- HI_INC_COMP_ORIG_YR3_RT: string (nullable = true)
|-- HI_INC_COMP_4YR_TRANS_YR3_RT: string (nullable = true)
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|-- HI_INC_ENRL_ORIG_YR3_RT: string (nullable = true)
|-- HI_INC_ENRL_4YR_TRANS_YR3_RT: string (nullable = true)
|-- HI_INC_ENRL_2YR_TRANS_YR3_RT: string (nullable = true)
|-- HI_INC_UNKN_ORIG_YR3_RT: string (nullable = true)
|-- HI_INC_UNKN_4YR_TRANS_YR3_RT: string (nullable = true)
|-- HI_INC_UNKN_2YR_TRANS_YR3_RT: string (nullable = true)
|-- DEP_DEATH_YR3_RT: string (nullable = true)
|-- DEP_COMP_ORIG_YR3_RT: string (nullable = true)
|-- DEP_COMP_4YR_TRANS_YR3_RT: string (nullable = true)
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|-- DEP_WDRAW_4YR_TRANS_YR3_RT: string (nullable = true)
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|-- DEP_ENRL_ORIG_YR3_RT: string (nullable = true)
|-- DEP_ENRL_4YR_TRANS_YR3_RT: string (nullable = true)
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|-- DEP_UNKN_ORIG_YR3_RT: string (nullable = true)
|-- DEP_UNKN_4YR_TRANS_YR3_RT: string (nullable = true)
|-- DEP_UNKN_2YR_TRANS_YR3_RT: string (nullable = true)
|-- IND_DEATH_YR3_RT: string (nullable = true)
|-- IND_COMP_ORIG_YR3_RT: string (nullable = true)
```

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|-- IND_COMP_4YR_TRANS_YR3_RT: string (nullable = true)
|-- IND_COMP_2YR_TRANS_YR3_RT: string (nullable = true)
|-- IND_WDRAW_ORIG_YR3_RT: string (nullable = true)
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|-- IND_ENRL_4YR_TRANS_YR3_RT: string (nullable = true)
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|-- IND_UNKN_2YR_TRANS_YR3_RT: string (nullable = true)
|-- FEMALE_DEATH_YR3_RT: string (nullable = true)
|-- FEMALE_COMP_ORIG_YR3_RT: string (nullable = true)
|-- FEMALE_COMP_4YR_TRANS_YR3_RT: string (nullable = true)
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|-- FEMALE_ENRL_ORIG_YR3_RT: string (nullable = true)
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|-- PELL_COMP_ORIG_YR3_RT: string (nullable = true)
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|-- PELL_ENRL_4YR_TRANS_YR3_RT: string (nullable = true)
|-- PELL_ENRL_2YR_TRANS_YR3_RT: string (nullable = true)
|-- PELL_UNKN_ORIG_YR3_RT: string (nullable = true)
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|-- PELL_UNKN_2YR_TRANS_YR3_RT: string (nullable = true)
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|-- NOPELL_COMP_ORIG_YR3_RT: string (nullable = true)
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|-- NOPELL_WDRAW_4YR_TRANS_YR3_RT: string (nullable = true)
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|-- NOPELL_ENRL_4YR_TRANS_YR3_RT: string (nullable = true)
|-- NOPELL_ENRL_2YR_TRANS_YR3_RT: string (nullable = true)
|-- NOPELL_UNKN_ORIG_YR3_RT: string (nullable = true)
|-- NOPELL_UNKN_4YR_TRANS_YR3_RT: string (nullable = true)
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|-- LOAN_DEATH_YR3_RT: string (nullable = true)
|-- LOAN_COMP_ORIG_YR3_RT: string (nullable = true)
|-- LOAN_COMP_4YR_TRANS_YR3_RT: string (nullable = true)
|-- LOAN_COMP_2YR_TRANS_YR3_RT: string (nullable = true)
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|-- LOAN_WDRAW_4YR_TRANS_YR3_RT: string (nullable = true)
|-- LOAN_WDRAW_2YR_TRANS_YR3_RT: string (nullable = true)
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|-- LOAN_ENRL_4YR_TRANS_YR3_RT: string (nullable = true)
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|-- NOLOAN_COMP_ORIG_YR3_RT: string (nullable = true)
|-- NOLOAN_COMP_4YR_TRANS_YR3_RT: string (nullable = true)
|-- NOLOAN_COMP_2YR_TRANS_YR3_RT: string (nullable = true)
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|-- NOLOAN_WDRAW_4YR_TRANS_YR3_RT: string (nullable = true)
|-- NOLOAN_WDRAW_2YR_TRANS_YR3_RT: string (nullable = true)
|-- NOLOAN_ENRL_ORIG_YR3_RT: string (nullable = true)
|-- NOLOAN_ENRL_4YR_TRANS_YR3_RT: string (nullable = true)
|-- NOLOAN_ENRL_2YR_TRANS_YR3_RT: string (nullable = true)
|-- NOLOAN_UNKN_ORIG_YR3_RT: string (nullable = true)
|-- NOLOAN_UNKN_4YR_TRANS_YR3_RT: string (nullable = true)
|-- NOLOAN_UNKN_2YR_TRANS_YR3_RT: string (nullable = true)
|-- FIRSTGEN_DEATH_YR3_RT: string (nullable = true)
|-- FIRSTGEN_COMP_ORIG_YR3_RT: string (nullable = true)
|-- FIRSTGEN_COMP_4YR_TRANS_YR3_RT: string (nullable = true)
|-- FIRSTGEN_COMP_2YR_TRANS_YR3_RT: string (nullable = true)
|-- FIRSTGEN_WDRAW_ORIG_YR3_RT: string (nullable = true)
|-- FIRSTGEN_WDRAW_4YR_TRANS_YR3_RT: string (nullable = true)
|-- FIRSTGEN_WDRAW_2YR_TRANS_YR3_RT: string (nullable = true)
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|-- FIRSTGEN_ENRL_ORIG_YR3_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_4YR_TRANS_YR3_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_2YR_TRANS_YR3_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_ORIG_YR3_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_4YR_TRANS_YR3_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_2YR_TRANS_YR3_RT: string (nullable = true)
|-- NOT1STGEN_DEATH_YR3_RT: string (nullable = true)
|-- NOT1STGEN_COMP_ORIG_YR3_RT: string (nullable = true)
|-- NOT1STGEN_COMP_4YR_TRANS_YR3_RT: string (nullable = true)
|-- NOT1STGEN_COMP_2YR_TRANS_YR3_RT: string (nullable = true)
|-- NOT1STGEN_WDRAW_ORIG_YR3_RT: string (nullable = true)
|-- NOT1STGEN_WDRAW_4YR_TRANS_YR3_RT: string (nullable = true)
|-- NOT1STGEN_WDRAW_2YR_TRANS_YR3_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_ORIG_YR3_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_4YR_TRANS_YR3_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_2YR_TRANS_YR3_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_ORIG_YR3_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_4YR_TRANS_YR3_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_2YR_TRANS_YR3_RT: string (nullable = true)
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|-- COMP_ORIG_YR4_RT: string (nullable = true)
|-- COMP_4YR_TRANS_YR4_RT: string (nullable = true)
|-- COMP_2YR_TRANS_YR4_RT: string (nullable = true)
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|-- WDRAW_4YR_TRANS_YR4_RT: string (nullable = true)
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|-- ENRL_4YR_TRANS_YR4_RT: string (nullable = true)
|-- ENRL_2YR_TRANS_YR4_RT: string (nullable = true)
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|-- UNKN_4YR_TRANS_YR4_RT: string (nullable = true)
|-- UNKN_2YR_TRANS_YR4_RT: string (nullable = true)
|-- LO_INC_DEATH_YR4_RT: string (nullable = true)
|-- LO_INC_COMP_ORIG_YR4_RT: string (nullable = true)
|-- LO_INC_COMP_4YR_TRANS_YR4_RT: string (nullable = true)
|-- LO_INC_COMP_2YR_TRANS_YR4_RT: string (nullable = true)
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|-- LO_INC_WDRAW_4YR_TRANS_YR4_RT: string (nullable = true)
|-- LO_INC_WDRAW_2YR_TRANS_YR4_RT: string (nullable = true)
|-- LO_INC_ENRL_ORIG_YR4_RT: string (nullable = true)
|-- LO_INC_ENRL_4YR_TRANS_YR4_RT: string (nullable = true)
|-- LO_INC_ENRL_2YR_TRANS_YR4_RT: string (nullable = true)
|-- LO_INC_UNKN_ORIG_YR4_RT: string (nullable = true)
|-- LO_INC_UNKN_4YR_TRANS_YR4_RT: string (nullable = true)
|-- LO_INC_UNKN_2YR_TRANS_YR4_RT: string (nullable = true)
|-- MD_INC_DEATH_YR4_RT: string (nullable = true)
|-- MD_INC_COMP_ORIG_YR4_RT: string (nullable = true)
|-- MD_INC_COMP_4YR_TRANS_YR4_RT: string (nullable = true)
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|-- MD_INC_WDRAW_2YR_TRANS_YR4_RT: string (nullable = true)
|-- MD_INC_ENRL_ORIG_YR4_RT: string (nullable = true)
|-- MD_INC_ENRL_4YR_TRANS_YR4_RT: string (nullable = true)
|-- MD_INC_ENRL_2YR_TRANS_YR4_RT: string (nullable = true)
|-- MD_INC_UNKN_ORIG_YR4_RT: string (nullable = true)
|-- MD_INC_UNKN_4YR_TRANS_YR4_RT: string (nullable = true)
|-- MD_INC_UNKN_2YR_TRANS_YR4_RT: string (nullable = true)
|-- HI_INC_DEATH_YR4_RT: string (nullable = true)
|-- HI_INC_COMP_ORIG_YR4_RT: string (nullable = true)
|-- HI_INC_COMP_4YR_TRANS_YR4_RT: string (nullable = true)
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|-- HI_INC_ENRL_ORIG_YR4_RT: string (nullable = true)
|-- HI_INC_ENRL_4YR_TRANS_YR4_RT: string (nullable = true)
|-- HI_INC_ENRL_2YR_TRANS_YR4_RT: string (nullable = true)
|-- HI_INC_UNKN_ORIG_YR4_RT: string (nullable = true)
|-- HI_INC_UNKN_4YR_TRANS_YR4_RT: string (nullable = true)
|-- HI_INC_UNKN_2YR_TRANS_YR4_RT: string (nullable = true)
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|-- DEP_ENRL_4YR_TRANS_YR4_RT: string (nullable = true)
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|-- IND_UNKN_ORIG_YR4_RT: string (nullable = true)
|-- IND_UNKN_4YR_TRANS_YR4_RT: string (nullable = true)
```

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|-- FEMALE_COMP_ORIG_YR4_RT: string (nullable = true)
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|-- FEMALE_WDRAW_4YR_TRANS_YR4_RT: string (nullable = true)
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|-- PELL_COMP_2YR_TRANS_YR4_RT: string (nullable = true)
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|-- NOPELL_WDRAW_ORIG_YR4_RT: string (nullable = true)
|-- NOPELL_WDRAW_4YR_TRANS_YR4_RT: string (nullable = true)
|-- NOPELL_WDRAW_2YR_TRANS_YR4_RT: string (nullable = true)
|-- NOPELL_ENRL_ORIG_YR4_RT: string (nullable = true)
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|-- NOPELL_ENRL_2YR_TRANS_YR4_RT: string (nullable = true)
|-- NOPELL_UNKN_ORIG_YR4_RT: string (nullable = true)
|-- NOPELL_UNKN_4YR_TRANS_YR4_RT: string (nullable = true)
|-- NOPELL_UNKN_2YR_TRANS_YR4_RT: string (nullable = true)
|-- LOAN_DEATH_YR4_RT: string (nullable = true)
|-- LOAN_COMP_ORIG_YR4_RT: string (nullable = true)
|-- LOAN_COMP_4YR_TRANS_YR4_RT: string (nullable = true)
|-- LOAN_COMP_2YR_TRANS_YR4_RT: string (nullable = true)
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|-- LOAN_WDRAW_4YR_TRANS_YR4_RT: string (nullable = true)
|-- LOAN_WDRAW_2YR_TRANS_YR4_RT: string (nullable = true)
|-- LOAN_ENRL_ORIG_YR4_RT: string (nullable = true)
|-- LOAN_ENRL_4YR_TRANS_YR4_RT: string (nullable = true)
|-- LOAN_ENRL_2YR_TRANS_YR4_RT: string (nullable = true)
|-- LOAN_UNKN_ORIG_YR4_RT: string (nullable = true)
|-- LOAN_UNKN_4YR_TRANS_YR4_RT: string (nullable = true)
|-- LOAN_UNKN_2YR_TRANS_YR4_RT: string (nullable = true)
|-- NOLOAN_DEATH_YR4_RT: string (nullable = true)
|-- NOLOAN_COMP_ORIG_YR4_RT: string (nullable = true)
|-- NOLOAN_COMP_4YR_TRANS_YR4_RT: string (nullable = true)
|-- NOLOAN_COMP_2YR_TRANS_YR4_RT: string (nullable = true)
|-- NOLOAN_WDRAW_ORIG_YR4_RT: string (nullable = true)
|-- NOLOAN_WDRAW_4YR_TRANS_YR4_RT: string (nullable = true)
|-- NOLOAN_WDRAW_2YR_TRANS_YR4_RT: string (nullable = true)
|-- NOLOAN_ENRL_ORIG_YR4_RT: string (nullable = true)
|-- NOLOAN_ENRL_4YR_TRANS_YR4_RT: string (nullable = true)
|-- NOLOAN_ENRL_2YR_TRANS_YR4_RT: string (nullable = true)
|-- NOLOAN_UNKN_ORIG_YR4_RT: string (nullable = true)
|-- NOLOAN_UNKN_4YR_TRANS_YR4_RT: string (nullable = true)
|-- NOLOAN_UNKN_2YR_TRANS_YR4_RT: string (nullable = true)
|-- FIRSTGEN_DEATH_YR4_RT: string (nullable = true)
|-- FIRSTGEN_COMP_ORIG_YR4_RT: string (nullable = true)
|-- FIRSTGEN_COMP_4YR_TRANS_YR4_RT: string (nullable = true)
|-- FIRSTGEN_COMP_2YR_TRANS_YR4_RT: string (nullable = true)
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|-- FIRSTGEN_WDRAW_4YR_TRANS_YR4_RT: string (nullable = true)
|-- FIRSTGEN_WDRAW_2YR_TRANS_YR4_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_ORIG_YR4_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_4YR_TRANS_YR4_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_2YR_TRANS_YR4_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_ORIG_YR4_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_4YR_TRANS_YR4_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_2YR_TRANS_YR4_RT: string (nullable = true)
|-- NOT1STGEN_DEATH_YR4_RT: string (nullable = true)
|-- NOT1STGEN_COMP_ORIG_YR4_RT: string (nullable = true)
|-- NOT1STGEN_COMP_4YR_TRANS_YR4_RT: string (nullable = true)
|-- NOT1STGEN_COMP_2YR_TRANS_YR4_RT: string (nullable = true)
```

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|-- NOT1STGEN_WDRAW_ORIG_YR4_RT: string (nullable = true)
|-- NOT1STGEN_WDRAW_4YR_TRANS_YR4_RT: string (nullable = true)
|-- NOT1STGEN_WDRAW_2YR_TRANS_YR4_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_ORIG_YR4_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_4YR_TRANS_YR4_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_2YR_TRANS_YR4_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_ORIG_YR4_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_4YR_TRANS_YR4_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_2YR_TRANS_YR4_RT: string (nullable = true)
|-- DEATH_YR6_RT: string (nullable = true)
|-- COMP_ORIG_YR6_RT: string (nullable = true)
|-- COMP_4YR_TRANS_YR6_RT: string (nullable = true)
|-- COMP_2YR_TRANS_YR6_RT: string (nullable = true)
|-- WDRAW_ORIG_YR6_RT: string (nullable = true)
|-- WDRAW_4YR_TRANS_YR6_RT: string (nullable = true)
|-- WDRAW_2YR_TRANS_YR6_RT: string (nullable = true)
|-- ENRL_ORIG_YR6_RT: string (nullable = true)
|-- ENRL_4YR_TRANS_YR6_RT: string (nullable = true)
|-- ENRL_2YR_TRANS_YR6_RT: string (nullable = true)
|-- UNKN_ORIG_YR6_RT: string (nullable = true)
|-- UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
|-- UNKN_2YR_TRANS_YR6_RT: string (nullable = true)
|-- LO_INC_DEATH_YR6_RT: string (nullable = true)
|-- LO_INC_COMP_ORIG_YR6_RT: string (nullable = true)
|-- LO_INC_COMP_4YR_TRANS_YR6_RT: string (nullable = true)
|-- LO_INC_COMP_2YR_TRANS_YR6_RT: string (nullable = true)
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|-- LO_INC_WDRAW_2YR_TRANS_YR6_RT: string (nullable = true)
|-- LO_INC_ENRL_ORIG_YR6_RT: string (nullable = true)
|-- LO_INC_ENRL_4YR_TRANS_YR6_RT: string (nullable = true)
|-- LO_INC_ENRL_2YR_TRANS_YR6_RT: string (nullable = true)
|-- LO_INC_UNKN_ORIG_YR6_RT: string (nullable = true)
|-- LO_INC_UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
|-- LO_INC_UNKN_2YR_TRANS_YR6_RT: string (nullable = true)
|-- MD_INC_DEATH_YR6_RT: string (nullable = true)
|-- MD_INC_COMP_ORIG_YR6_RT: string (nullable = true)
|-- MD_INC_COMP_4YR_TRANS_YR6_RT: string (nullable = true)
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|-- MD_INC_WDRAW_4YR_TRANS_YR6_RT: string (nullable = true)
|-- MD_INC_WDRAW_2YR_TRANS_YR6_RT: string (nullable = true)
|-- MD_INC_ENRL_ORIG_YR6_RT: string (nullable = true)
|-- MD_INC_ENRL_4YR_TRANS_YR6_RT: string (nullable = true)
|-- MD_INC_ENRL_2YR_TRANS_YR6_RT: string (nullable = true)
|-- MD_INC_UNKN_ORIG_YR6_RT: string (nullable = true)
|-- MD_INC_UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
|-- MD_INC_UNKN_2YR_TRANS_YR6_RT: string (nullable = true)
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|-- HI_INC_DEATH_YR6_RT: string (nullable = true)
|-- HI_INC_COMP_ORIG_YR6_RT: string (nullable = true)
|-- HI_INC_COMP_4YR_TRANS_YR6_RT: string (nullable = true)
|-- HI_INC_COMP_2YR_TRANS_YR6_RT: string (nullable = true)
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|-- HI_INC_WDRAW_4YR_TRANS_YR6_RT: string (nullable = true)
|-- HI_INC_WDRAW_2YR_TRANS_YR6_RT: string (nullable = true)
|-- HI_INC_ENRL_ORIG_YR6_RT: string (nullable = true)
|-- HI_INC_ENRL_4YR_TRANS_YR6_RT: string (nullable = true)
|-- HI_INC_ENRL_2YR_TRANS_YR6_RT: string (nullable = true)
|-- HI_INC_UNKN_ORIG_YR6_RT: string (nullable = true)
|-- HI_INC_UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
|-- HI_INC_UNKN_2YR_TRANS_YR6_RT: string (nullable = true)
|-- DEP_DEATH_YR6_RT: string (nullable = true)
|-- DEP_COMP_ORIG_YR6_RT: string (nullable = true)
|-- DEP_COMP_4YR_TRANS_YR6_RT: string (nullable = true)
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|-- DEP_WDRAW_4YR_TRANS_YR6_RT: string (nullable = true)
|-- DEP_WDRAW_2YR_TRANS_YR6_RT: string (nullable = true)
|-- DEP_ENRL_ORIG_YR6_RT: string (nullable = true)
|-- DEP_ENRL_4YR_TRANS_YR6_RT: string (nullable = true)
|-- DEP_ENRL_2YR_TRANS_YR6_RT: string (nullable = true)
|-- DEP_UNKN_ORIG_YR6_RT: string (nullable = true)
|-- DEP_UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
|-- DEP_UNKN_2YR_TRANS_YR6_RT: string (nullable = true)
|-- IND_DEATH_YR6_RT: string (nullable = true)
|-- IND_COMP_ORIG_YR6_RT: string (nullable = true)
|-- IND_COMP_4YR_TRANS_YR6_RT: string (nullable = true)
|-- IND_COMP_2YR_TRANS_YR6_RT: string (nullable = true)
|-- IND_WDRAW_ORIG_YR6_RT: string (nullable = true)
|-- IND_WDRAW_4YR_TRANS_YR6_RT: string (nullable = true)
|-- IND_WDRAW_2YR_TRANS_YR6_RT: string (nullable = true)
|-- IND_ENRL_ORIG_YR6_RT: string (nullable = true)
|-- IND_ENRL_4YR_TRANS_YR6_RT: string (nullable = true)
|-- IND_ENRL_2YR_TRANS_YR6_RT: string (nullable = true)
|-- IND_UNKN_ORIG_YR6_RT: string (nullable = true)
|-- IND_UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
|-- IND_UNKN_2YR_TRANS_YR6_RT: string (nullable = true)
|-- FEMALE_DEATH_YR6_RT: string (nullable = true)
|-- FEMALE_COMP_ORIG_YR6_RT: string (nullable = true)
|-- FEMALE_COMP_4YR_TRANS_YR6_RT: string (nullable = true)
|-- FEMALE_COMP_2YR_TRANS_YR6_RT: string (nullable = true)
|-- FEMALE_WDRAW_ORIG_YR6_RT: string (nullable = true)
|-- FEMALE_WDRAW_4YR_TRANS_YR6_RT: string (nullable = true)
|-- FEMALE_WDRAW_2YR_TRANS_YR6_RT: string (nullable = true)
|-- FEMALE_ENRL_ORIG_YR6_RT: string (nullable = true)
|-- FEMALE_ENRL_4YR_TRANS_YR6_RT: string (nullable = true)
```

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|-- FEMALE_ENRL_2YR_TRANS_YR6_RT: string (nullable = true)
|-- FEMALE_UNKN_ORIG_YR6_RT: string (nullable = true)
|-- FEMALE_UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
|-- FEMALE_UNKN_2YR_TRANS_YR6_RT: string (nullable = true)
|-- MALE_DEATH_YR6_RT: string (nullable = true)
|-- MALE_COMP_ORIG_YR6_RT: string (nullable = true)
|-- MALE_COMP_4YR_TRANS_YR6_RT: string (nullable = true)
|-- MALE_COMP_2YR_TRANS_YR6_RT: string (nullable = true)
|-- MALE_WDRAW_ORIG_YR6_RT: string (nullable = true)
|-- MALE_WDRAW_4YR_TRANS_YR6_RT: string (nullable = true)
|-- MALE_WDRAW_2YR_TRANS_YR6_RT: string (nullable = true)
|-- MALE_ENRL_ORIG_YR6_RT: string (nullable = true)
|-- MALE_ENRL_4YR_TRANS_YR6_RT: string (nullable = true)
|-- MALE_ENRL_2YR_TRANS_YR6_RT: string (nullable = true)
|-- MALE_UNKN_ORIG_YR6_RT: string (nullable = true)
|-- MALE_UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
|-- MALE_UNKN_2YR_TRANS_YR6_RT: string (nullable = true)
|-- PELL_DEATH_YR6_RT: string (nullable = true)
|-- PELL_COMP_ORIG_YR6_RT: string (nullable = true)
|-- PELL_COMP_4YR_TRANS_YR6_RT: string (nullable = true)
|-- PELL_COMP_2YR_TRANS_YR6_RT: string (nullable = true)
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|-- PELL_WDRAW_4YR_TRANS_YR6_RT: string (nullable = true)
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|-- PELL_ENRL_4YR_TRANS_YR6_RT: string (nullable = true)
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|-- PELL_UNKN_ORIG_YR6_RT: string (nullable = true)
|-- PELL_UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
|-- PELL_UNKN_2YR_TRANS_YR6_RT: string (nullable = true)
|-- NOPELL_DEATH_YR6_RT: string (nullable = true)
|-- NOPELL_COMP_ORIG_YR6_RT: string (nullable = true)
|-- NOPELL_COMP_4YR_TRANS_YR6_RT: string (nullable = true)
|-- NOPELL_COMP_2YR_TRANS_YR6_RT: string (nullable = true)
|-- NOPELL_WDRAW_ORIG_YR6_RT: string (nullable = true)
|-- NOPELL_WDRAW_4YR_TRANS_YR6_RT: string (nullable = true)
|-- NOPELL_WDRAW_2YR_TRANS_YR6_RT: string (nullable = true)
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|-- NOPELL_UNKN_ORIG_YR6_RT: string (nullable = true)
|-- NOPELL_UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
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|-- LOAN_DEATH_YR6_RT: string (nullable = true)
|-- LOAN_COMP_ORIG_YR6_RT: string (nullable = true)
|-- LOAN_COMP_4YR_TRANS_YR6_RT: string (nullable = true)
|-- LOAN_COMP_2YR_TRANS_YR6_RT: string (nullable = true)
|-- LOAN_WDRAW_ORIG_YR6_RT: string (nullable = true)
```

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|-- LOAN_WDRAW_4YR_TRANS_YR6_RT: string (nullable = true)
|-- LOAN_WDRAW_2YR_TRANS_YR6_RT: string (nullable = true)
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|-- LOAN_ENRL_4YR_TRANS_YR6_RT: string (nullable = true)
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|-- LOAN_UNKN_ORIG_YR6_RT: string (nullable = true)
|-- LOAN_UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
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|-- NOLOAN_DEATH_YR6_RT: string (nullable = true)
|-- NOLOAN_COMP_ORIG_YR6_RT: string (nullable = true)
|-- NOLOAN_COMP_4YR_TRANS_YR6_RT: string (nullable = true)
|-- NOLOAN_COMP_2YR_TRANS_YR6_RT: string (nullable = true)
|-- NOLOAN_WDRAW_ORIG_YR6_RT: string (nullable = true)
|-- NOLOAN_WDRAW_4YR_TRANS_YR6_RT: string (nullable = true)
|-- NOLOAN_WDRAW_2YR_TRANS_YR6_RT: string (nullable = true)
|-- NOLOAN_ENRL_ORIG_YR6_RT: string (nullable = true)
|-- NOLOAN_ENRL_4YR_TRANS_YR6_RT: string (nullable = true)
|-- NOLOAN_ENRL_2YR_TRANS_YR6_RT: string (nullable = true)
|-- NOLOAN_UNKN_ORIG_YR6_RT: string (nullable = true)
|-- NOLOAN_UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
|-- NOLOAN_UNKN_2YR_TRANS_YR6_RT: string (nullable = true)
|-- FIRSTGEN_DEATH_YR6_RT: string (nullable = true)
|-- FIRSTGEN_COMP_ORIG_YR6_RT: string (nullable = true)
|-- FIRSTGEN_COMP_4YR_TRANS_YR6_RT: string (nullable = true)
|-- FIRSTGEN_COMP_2YR_TRANS_YR6_RT: string (nullable = true)
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|-- FIRSTGEN_WDRAW_4YR_TRANS_YR6_RT: string (nullable = true)
|-- FIRSTGEN_WDRAW_2YR_TRANS_YR6_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_ORIG_YR6_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_4YR_TRANS_YR6_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_2YR_TRANS_YR6_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_ORIG_YR6_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_2YR_TRANS_YR6_RT: string (nullable = true)
|-- NOT1STGEN_DEATH_YR6_RT: string (nullable = true)
|-- NOT1STGEN_COMP_ORIG_YR6_RT: string (nullable = true)
|-- NOT1STGEN_COMP_4YR_TRANS_YR6_RT: string (nullable = true)
|-- NOT1STGEN_COMP_2YR_TRANS_YR6_RT: string (nullable = true)
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|-- NOT1STGEN_WDRAW_4YR_TRANS_YR6_RT: string (nullable = true)
|-- NOT1STGEN_WDRAW_2YR_TRANS_YR6_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_ORIG_YR6_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_4YR_TRANS_YR6_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_2YR_TRANS_YR6_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_ORIG_YR6_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_4YR_TRANS_YR6_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_2YR_TRANS_YR6_RT: string (nullable = true)
|-- DEATH_YR8_RT: string (nullable = true)
```

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|-- COMP_ORIG_YR8_RT: string (nullable = true)
|-- COMP_4YR_TRANS_YR8_RT: string (nullable = true)
|-- COMP_2YR_TRANS_YR8_RT: string (nullable = true)
|-- WDRAW_ORIG_YR8_RT: string (nullable = true)
|-- WDRAW_4YR_TRANS_YR8_RT: string (nullable = true)
|-- WDRAW_2YR_TRANS_YR8_RT: string (nullable = true)
|-- ENRL_ORIG_YR8_RT: string (nullable = true)
|-- ENRL_4YR_TRANS_YR8_RT: string (nullable = true)
|-- ENRL_2YR_TRANS_YR8_RT: string (nullable = true)
|-- UNKN_ORIG_YR8_RT: string (nullable = true)
|-- UNKN_4YR_TRANS_YR8_RT: string (nullable = true)
|-- UNKN_2YR_TRANS_YR8_RT: string (nullable = true)
|-- LO_INC_DEATH_YR8_RT: string (nullable = true)
|-- LO_INC_COMP_ORIG_YR8_RT: string (nullable = true)
|-- LO_INC_COMP_4YR_TRANS_YR8_RT: string (nullable = true)
|-- LO_INC_COMP_2YR_TRANS_YR8_RT: string (nullable = true)
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|-- LO_INC_WDRAW_4YR_TRANS_YR8_RT: string (nullable = true)
|-- LO_INC_WDRAW_2YR_TRANS_YR8_RT: string (nullable = true)
|-- LO_INC_ENRL_ORIG_YR8_RT: string (nullable = true)
|-- LO_INC_ENRL_4YR_TRANS_YR8_RT: string (nullable = true)
|-- LO_INC_ENRL_2YR_TRANS_YR8_RT: string (nullable = true)
|-- LO_INC_UNKN_ORIG_YR8_RT: string (nullable = true)
|-- LO_INC_UNKN_4YR_TRANS_YR8_RT: string (nullable = true)
|-- LO_INC_UNKN_2YR_TRANS_YR8_RT: string (nullable = true)
|-- MD_INC_DEATH_YR8_RT: string (nullable = true)
|-- MD_INC_COMP_ORIG_YR8_RT: string (nullable = true)
|-- MD_INC_COMP_4YR_TRANS_YR8_RT: string (nullable = true)
|-- MD_INC_COMP_2YR_TRANS_YR8_RT: string (nullable = true)
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|-- MD_INC_WDRAW_4YR_TRANS_YR8_RT: string (nullable = true)
|-- MD_INC_WDRAW_2YR_TRANS_YR8_RT: string (nullable = true)
|-- MD_INC_ENRL_ORIG_YR8_RT: string (nullable = true)
|-- MD_INC_ENRL_4YR_TRANS_YR8_RT: string (nullable = true)
|-- MD_INC_ENRL_2YR_TRANS_YR8_RT: string (nullable = true)
|-- MD_INC_UNKN_ORIG_YR8_RT: string (nullable = true)
|-- MD_INC_UNKN_4YR_TRANS_YR8_RT: string (nullable = true)
|-- MD_INC_UNKN_2YR_TRANS_YR8_RT: string (nullable = true)
|-- HI_INC_DEATH_YR8_RT: string (nullable = true)
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|-- HI_INC_COMP_4YR_TRANS_YR8_RT: string (nullable = true)
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|-- HI_INC_WDRAW_4YR_TRANS_YR8_RT: string (nullable = true)
|-- HI_INC_WDRAW_2YR_TRANS_YR8_RT: string (nullable = true)
|-- HI_INC_ENRL_ORIG_YR8_RT: string (nullable = true)
|-- HI_INC_ENRL_4YR_TRANS_YR8_RT: string (nullable = true)
|-- HI_INC_ENRL_2YR_TRANS_YR8_RT: string (nullable = true)
```

```
|-- HI_INC_UNKN_ORIG_YR8_RT: string (nullable = true)
|-- HI_INC_UNKN_4YR_TRANS_YR8_RT: string (nullable = true)
|-- HI_INC_UNKN_2YR_TRANS_YR8_RT: string (nullable = true)
|-- DEP_DEATH_YR8_RT: string (nullable = true)
|-- DEP_COMP_ORIG_YR8_RT: string (nullable = true)
|-- DEP_COMP_4YR_TRANS_YR8_RT: string (nullable = true)
|-- DEP_COMP_2YR_TRANS_YR8_RT: string (nullable = true)
|-- DEP_WDRAW_ORIG_YR8_RT: string (nullable = true)
|-- DEP_WDRAW_4YR_TRANS_YR8_RT: string (nullable = true)
|-- DEP_WDRAW_2YR_TRANS_YR8_RT: string (nullable = true)
|-- DEP_ENRL_ORIG_YR8_RT: string (nullable = true)
|-- DEP_ENRL_4YR_TRANS_YR8_RT: string (nullable = true)
|-- DEP_ENRL_2YR_TRANS_YR8_RT: string (nullable = true)
|-- DEP_UNKN_ORIG_YR8_RT: string (nullable = true)
|-- DEP_UNKN_4YR_TRANS_YR8_RT: string (nullable = true)
|-- DEP_UNKN_2YR_TRANS_YR8_RT: string (nullable = true)
|-- IND_DEATH_YR8_RT: string (nullable = true)
|-- IND_COMP_ORIG_YR8_RT: string (nullable = true)
|-- IND_COMP_4YR_TRANS_YR8_RT: string (nullable = true)
|-- IND_COMP_2YR_TRANS_YR8_RT: string (nullable = true)
|-- IND_WDRAW_ORIG_YR8_RT: string (nullable = true)
|-- IND_WDRAW_4YR_TRANS_YR8_RT: string (nullable = true)
|-- IND_WDRAW_2YR_TRANS_YR8_RT: string (nullable = true)
|-- IND_ENRL_ORIG_YR8_RT: string (nullable = true)
|-- IND_ENRL_4YR_TRANS_YR8_RT: string (nullable = true)
|-- IND_ENRL_2YR_TRANS_YR8_RT: string (nullable = true)
|-- IND_UNKN_ORIG_YR8_RT: string (nullable = true)
|-- IND_UNKN_4YR_TRANS_YR8_RT: string (nullable = true)
|-- IND_UNKN_2YR_TRANS_YR8_RT: string (nullable = true)
|-- FEMALE_DEATH_YR8_RT: string (nullable = true)
|-- FEMALE_COMP_ORIG_YR8_RT: string (nullable = true)
|-- FEMALE_COMP_4YR_TRANS_YR8_RT: string (nullable = true)
|-- FEMALE_COMP_2YR_TRANS_YR8_RT: string (nullable = true)
|-- FEMALE_WDRAW_ORIG_YR8_RT: string (nullable = true)
|-- FEMALE_WDRAW_4YR_TRANS_YR8_RT: string (nullable = true)
|-- FEMALE_WDRAW_2YR_TRANS_YR8_RT: string (nullable = true)
|-- FEMALE_ENRL_ORIG_YR8_RT: string (nullable = true)
|-- FEMALE_ENRL_4YR_TRANS_YR8_RT: string (nullable = true)
|-- FEMALE_ENRL_2YR_TRANS_YR8_RT: string (nullable = true)
|-- FEMALE_UNKN_ORIG_YR8_RT: string (nullable = true)
|-- FEMALE_UNKN_4YR_TRANS_YR8_RT: string (nullable = true)
|-- FEMALE_UNKN_2YR_TRANS_YR8_RT: string (nullable = true)
|-- MALE_DEATH_YR8_RT: string (nullable = true)
|-- MALE_COMP_ORIG_YR8_RT: string (nullable = true)
|-- MALE_COMP_4YR_TRANS_YR8_RT: string (nullable = true)
|-- MALE_COMP_2YR_TRANS_YR8_RT: string (nullable = true)
|-- MALE_WDRAW_ORIG_YR8_RT: string (nullable = true)
|-- MALE_WDRAW_4YR_TRANS_YR8_RT: string (nullable = true)
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|-- MALE_WDRAW_2YR_TRANS_YR8_RT: string (nullable = true)
|-- MALE_ENRL_ORIG_YR8_RT: string (nullable = true)
|-- MALE_ENRL_4YR_TRANS_YR8_RT: string (nullable = true)
|-- MALE_ENRL_2YR_TRANS_YR8_RT: string (nullable = true)
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|-- MALE_UNKN_4YR_TRANS_YR8_RT: string (nullable = true)
|-- MALE_UNKN_2YR_TRANS_YR8_RT: string (nullable = true)
|-- PELL_DEATH_YR8_RT: string (nullable = true)
|-- PELL_COMP_ORIG_YR8_RT: string (nullable = true)
|-- PELL_COMP_4YR_TRANS_YR8_RT: string (nullable = true)
|-- PELL_COMP_2YR_TRANS_YR8_RT: string (nullable = true)
|-- PELL_WDRAW_ORIG_YR8_RT: string (nullable = true)
|-- PELL_WDRAW_4YR_TRANS_YR8_RT: string (nullable = true)
|-- PELL_WDRAW_2YR_TRANS_YR8_RT: string (nullable = true)
|-- PELL_ENRL_ORIG_YR8_RT: string (nullable = true)
|-- PELL_ENRL_4YR_TRANS_YR8_RT: string (nullable = true)
|-- PELL_ENRL_2YR_TRANS_YR8_RT: string (nullable = true)
|-- PELL_UNKN_ORIG_YR8_RT: string (nullable = true)
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|-- NOPELL_COMP_ORIG_YR8_RT: string (nullable = true)
|-- NOPELL_COMP_4YR_TRANS_YR8_RT: string (nullable = true)
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|-- NOPELL_UNKN_ORIG_YR8_RT: string (nullable = true)
|-- NOPELL_UNKN_4YR_TRANS_YR8_RT: string (nullable = true)
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|-- LOAN_DEATH_YR8_RT: string (nullable = true)
|-- LOAN_COMP_ORIG_YR8_RT: string (nullable = true)
|-- LOAN_COMP_4YR_TRANS_YR8_RT: string (nullable = true)
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|-- LOAN_ENRL_4YR_TRANS_YR8_RT: string (nullable = true)
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|-- NOLOAN_DEATH_YR8_RT: string (nullable = true)
|-- NOLOAN_COMP_ORIG_YR8_RT: string (nullable = true)
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```
|-- NOLOAN_COMP_4YR_TRANS_YR8_RT: string (nullable = true)
|-- NOLOAN_COMP_2YR_TRANS_YR8_RT: string (nullable = true)
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|-- NOLOAN_WDRAW_4YR_TRANS_YR8_RT: string (nullable = true)
|-- NOLOAN_WDRAW_2YR_TRANS_YR8_RT: string (nullable = true)
|-- NOLOAN_ENRL_ORIG_YR8_RT: string (nullable = true)
|-- NOLOAN_ENRL_4YR_TRANS_YR8_RT: string (nullable = true)
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|-- NOLOAN_UNKN_ORIG_YR8_RT: string (nullable = true)
|-- NOLOAN_UNKN_4YR_TRANS_YR8_RT: string (nullable = true)
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|-- FIRSTGEN_COMP_4YR_TRANS_YR8_RT: string (nullable = true)
|-- FIRSTGEN_COMP_2YR_TRANS_YR8_RT: string (nullable = true)
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|-- FIRSTGEN_WDRAW_4YR_TRANS_YR8_RT: string (nullable = true)
|-- FIRSTGEN_WDRAW_2YR_TRANS_YR8_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_ORIG_YR8_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_4YR_TRANS_YR8_RT: string (nullable = true)
|-- FIRSTGEN_ENRL_2YR_TRANS_YR8_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_ORIG_YR8_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_4YR_TRANS_YR8_RT: string (nullable = true)
|-- FIRSTGEN_UNKN_2YR_TRANS_YR8_RT: string (nullable = true)
|-- NOT1STGEN_DEATH_YR8_RT: string (nullable = true)
|-- NOT1STGEN_COMP_ORIG_YR8_RT: string (nullable = true)
|-- NOT1STGEN_COMP_4YR_TRANS_YR8_RT: string (nullable = true)
|-- NOT1STGEN_COMP_2YR_TRANS_YR8_RT: string (nullable = true)
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|-- NOT1STGEN_WDRAW_4YR_TRANS_YR8_RT: string (nullable = true)
|-- NOT1STGEN_WDRAW_2YR_TRANS_YR8_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_ORIG_YR8_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_4YR_TRANS_YR8_RT: string (nullable = true)
|-- NOT1STGEN_ENRL_2YR_TRANS_YR8_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_ORIG_YR8_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_4YR_TRANS_YR8_RT: string (nullable = true)
|-- NOT1STGEN_UNKN_2YR_TRANS_YR8_RT: string (nullable = true)
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|-- NONCOM_RPY_1YR_RT: string (nullable = true)
|-- LO_INC_RPY_1YR_RT: string (nullable = true)
|-- MD_INC_RPY_1YR_RT: string (nullable = true)
|-- HI_INC_RPY_1YR_RT: string (nullable = true)
|-- DEP_RPY_1YR_RT: string (nullable = true)
|-- IND_RPY_1YR_RT: string (nullable = true)
|-- PELL_RPY_1YR_RT: string (nullable = true)
|-- NOPELL_RPY_1YR_RT: string (nullable = true)
|-- FEMALE_RPY_1YR_RT: string (nullable = true)
```

```
|-- MALE_RPY_1YR_RT: string (nullable = true)
|-- FIRSTGEN_RPY_1YR_RT: string (nullable = true)
|-- NOTFIRSTGEN_RPY_1YR_RT: string (nullable = true)
|-- RPY_3YR_RT: string (nullable = true)
|-- COMPL_RPY_3YR_RT: string (nullable = true)
|-- NONCOM_RPY_3YR_RT: string (nullable = true)
|-- LO_INC_RPY_3YR_RT: string (nullable = true)
|-- MD_INC_RPY_3YR_RT: string (nullable = true)
|-- HI_INC_RPY_3YR_RT: string (nullable = true)
|-- DEP_RPY_3YR_RT: string (nullable = true)
|-- IND_RPY_3YR_RT: string (nullable = true)
|-- PELL_RPY_3YR_RT: string (nullable = true)
|-- NOPELL_RPY_3YR_RT: string (nullable = true)
|-- FEMALE_RPY_3YR_RT: string (nullable = true)
|-- MALE_RPY_3YR_RT: string (nullable = true)
|-- FIRSTGEN_RPY_3YR_RT: string (nullable = true)
|-- NOTFIRSTGEN_RPY_3YR_RT: string (nullable = true)
|-- RPY_5YR_RT: string (nullable = true)
|-- COMPL_RPY_5YR_RT: string (nullable = true)
|-- NONCOM_RPY_5YR_RT: string (nullable = true)
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|-- PELL_RPY_5YR_RT: string (nullable = true)
|-- NOPELL_RPY_5YR_RT: string (nullable = true)
|-- FEMALE_RPY_5YR_RT: string (nullable = true)
|-- MALE_RPY_5YR_RT: string (nullable = true)
|-- FIRSTGEN_RPY_5YR_RT: string (nullable = true)
|-- NOTFIRSTGEN_RPY_5YR_RT: string (nullable = true)
|-- RPY_7YR_RT: string (nullable = true)
|-- COMPL_RPY_7YR_RT: string (nullable = true)
|-- NONCOM_RPY_7YR_RT: string (nullable = true)
|-- LO_INC_RPY_7YR_RT: string (nullable = true)
|-- MD_INC_RPY_7YR_RT: string (nullable = true)
|-- HI_INC_RPY_7YR_RT: string (nullable = true)
|-- DEP_RPY_7YR_RT: string (nullable = true)
|-- IND_RPY_7YR_RT: string (nullable = true)
|-- PELL_RPY_7YR_RT: string (nullable = true)
|-- NOPELL_RPY_7YR_RT: string (nullable = true)
|-- FEMALE_RPY_7YR_RT: string (nullable = true)
|-- MALE_RPY_7YR_RT: string (nullable = true)
|-- FIRSTGEN_RPY_7YR_RT: string (nullable = true)
|-- NOTFIRSTGEN_RPY_7YR_RT: string (nullable = true)
|-- INC_PCT_LO: string (nullable = true)
|-- DEP_STAT_PCT_IND: string (nullable = true)
|-- DEP_INC_PCT_LO: string (nullable = true)
```

```
|-- IND_INC_PCT_LO: string (nullable = true)
|-- PAR_ED_PCT_1STGEN: string (nullable = true)
|-- INC_PCT_M1: string (nullable = true)
|-- INC_PCT_M2: string (nullable = true)
|-- INC_PCT_H1: string (nullable = true)
|-- INC_PCT_H2: string (nullable = true)
|-- DEP_INC_PCT_M1: string (nullable = true)
|-- DEP_INC_PCT_M2: string (nullable = true)
|-- DEP_INC_PCT_H1: string (nullable = true)
|-- DEP_INC_PCT_H2: string (nullable = true)
|-- IND_INC_PCT_M1: string (nullable = true)
|-- IND_INC_PCT_M2: string (nullable = true)
|-- IND_INC_PCT_H1: string (nullable = true)
|-- IND_INC_PCT_H2: string (nullable = true)
|-- PAR_ED_PCT_MS: string (nullable = true)
|-- PAR_ED_PCT_HS: string (nullable = true)
|-- PAR_ED_PCT_PS: string (nullable = true)
|-- APPL_SCH_PCT_GE2: string (nullable = true)
|-- APPL_SCH_PCT_GE3: string (nullable = true)
|-- APPL_SCH_PCT_GE4: string (nullable = true)
|-- APPL_SCH_PCT_GE5: string (nullable = true)
|-- DEP_INC_AVG: string (nullable = true)
|-- IND_INC_AVG: string (nullable = true)
|-- OVERALL_YR2_N: string (nullable = true)
|-- LO_INC_YR2_N: string (nullable = true)
|-- MD_INC_YR2_N: string (nullable = true)
|-- HI_INC_YR2_N: string (nullable = true)
|-- DEP_YR2_N: string (nullable = true)
|-- IND_YR2_N: string (nullable = true)
|-- FEMALE_YR2_N: string (nullable = true)
|-- MALE_YR2_N: string (nullable = true)
|-- PELL_YR2_N: string (nullable = true)
|-- NOPELL_YR2_N: string (nullable = true)
|-- LOAN_YR2_N: string (nullable = true)
|-- NOLOAN_YR2_N: string (nullable = true)
|-- FIRSTGEN_YR2_N: string (nullable = true)
|-- NOT1STGEN_YR2_N: string (nullable = true)
|-- OVERALL_YR3_N: string (nullable = true)
|-- LO_INC_YR3_N: string (nullable = true)
|-- MD_INC_YR3_N: string (nullable = true)
|-- HI_INC_YR3_N: string (nullable = true)
|-- DEP_YR3_N: string (nullable = true)
|-- IND_YR3_N: string (nullable = true)
|-- FEMALE_YR3_N: string (nullable = true)
|-- MALE_YR3_N: string (nullable = true)
|-- PELL_YR3_N: string (nullable = true)
|-- NOPELL_YR3_N: string (nullable = true)
|-- LOAN_YR3_N: string (nullable = true)
```

```
|-- NOLOAN_YR3_N: string (nullable = true)
|-- FIRSTGEN_YR3_N: string (nullable = true)
|-- NOT1STGEN_YR3_N: string (nullable = true)
|-- OVERALL_YR4_N: string (nullable = true)
|-- LO_INC_YR4_N: string (nullable = true)
|-- MD_INC_YR4_N: string (nullable = true)
|-- HI_INC_YR4_N: string (nullable = true)
|-- DEP_YR4_N: string (nullable = true)
|-- IND_YR4_N: string (nullable = true)
|-- FEMALE_YR4_N: string (nullable = true)
|-- MALE_YR4_N: string (nullable = true)
|-- PELL_YR4_N: string (nullable = true)
|-- NOPELL_YR4_N: string (nullable = true)
|-- LOAN_YR4_N: string (nullable = true)
|-- NOLOAN_YR4_N: string (nullable = true)
|-- FIRSTGEN_YR4_N: string (nullable = true)
|-- NOT1STGEN_YR4_N: string (nullable = true)
|-- OVERALL_YR6_N: string (nullable = true)
|-- LO_INC_YR6_N: string (nullable = true)
|-- MD_INC_YR6_N: string (nullable = true)
|-- HI_INC_YR6_N: string (nullable = true)
|-- DEP_YR6_N: string (nullable = true)
|-- IND_YR6_N: string (nullable = true)
|-- FEMALE_YR6_N: string (nullable = true)
|-- MALE_YR6_N: string (nullable = true)
|-- PELL_YR6_N: string (nullable = true)
|-- NOPELL_YR6_N: string (nullable = true)
|-- LOAN_YR6_N: string (nullable = true)
|-- NOLOAN_YR6_N: string (nullable = true)
|-- FIRSTGEN_YR6_N: string (nullable = true)
|-- NOT1STGEN_YR6_N: string (nullable = true)
|-- OVERALL_YR8_N: string (nullable = true)
|-- LO_INC_YR8_N: string (nullable = true)
|-- MD_INC_YR8_N: string (nullable = true)
|-- HI_INC_YR8_N: string (nullable = true)
|-- DEP_YR8_N: string (nullable = true)
|-- IND_YR8_N: string (nullable = true)
|-- FEMALE_YR8_N: string (nullable = true)
|-- MALE_YR8_N: string (nullable = true)
|-- PELL_YR8_N: string (nullable = true)
|-- NOPELL_YR8_N: string (nullable = true)
|-- LOAN_YR8_N: string (nullable = true)
|-- NOLOAN_YR8_N: string (nullable = true)
|-- FIRSTGEN_YR8_N: string (nullable = true)
|-- NOT1STGEN_YR8_N: string (nullable = true)
|-- DEBT_MDN: string (nullable = true)
|-- GRAD_DEBT_MDN: string (nullable = true)
|-- WDRAW_DEBT_MDN: string (nullable = true)
```

```
|-- LO_INC_DEBT_MDN: string (nullable = true)
|-- MD_INC_DEBT_MDN: string (nullable = true)
|-- HI_INC_DEBT_MDN: string (nullable = true)
|-- DEP_DEBT_MDN: string (nullable = true)
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|-- NOPELL_DEBT_MDN: string (nullable = true)
|-- FEMALE_DEBT_MDN: string (nullable = true)
|-- MALE_DEBT_MDN: string (nullable = true)
|-- FIRSTGEN_DEBT_MDN: string (nullable = true)
|-- NOTFIRSTGEN_DEBT_MDN: string (nullable = true)
|-- DEBT_N: string (nullable = true)
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|-- WDRAW_DEBT_N: string (nullable = true)
|-- LO_INC_DEBT_N: string (nullable = true)
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|-- DEP_DEBT_N: string (nullable = true)
|-- IND_DEBT_N: string (nullable = true)
|-- PELL_DEBT_N: string (nullable = true)
|-- NOPELL_DEBT_N: string (nullable = true)
|-- FEMALE_DEBT_N: string (nullable = true)
|-- MALE_DEBT_N: string (nullable = true)
|-- FIRSTGEN_DEBT_N: string (nullable = true)
|-- NOTFIRSTGEN_DEBT_N: string (nullable = true)
|-- GRAD_DEBT_MDN10YR: string (nullable = true)
|-- CUML_DEBT_N: string (nullable = true)
|-- CUML_DEBT_P90: string (nullable = true)
|-- CUML_DEBT_P75: string (nullable = true)
|-- CUML_DEBT_P25: string (nullable = true)
|-- CUML_DEBT_P10: string (nullable = true)
|-- INC_N: string (nullable = true)
|-- DEP_INC_N: string (nullable = true)
|-- IND_INC_N: string (nullable = true)
|-- DEP_STAT_N: string (nullable = true)
|-- PAR_ED_N: string (nullable = true)
|-- APPL_SCH_N: string (nullable = true)
|-- REPAY_DT_MDN: string (nullable = true)
|-- SEPAR_DT_MDN: string (nullable = true)
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|-- SEPAR_DT_N: string (nullable = true)
|-- RPY_1YR_N: string (nullable = true)
|-- COMPL_RPY_1YR_N: string (nullable = true)
|-- NONCOM_RPY_1YR_N: string (nullable = true)
|-- LO_INC_RPY_1YR_N: string (nullable = true)
|-- MD_INC_RPY_1YR_N: string (nullable = true)
|-- HI_INC_RPY_1YR_N: string (nullable = true)
|-- DEP_RPY_1YR_N: string (nullable = true)
```

```
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|-- PELL_RPY_1YR_N: string (nullable = true)
|-- NOPELL_RPY_1YR_N: string (nullable = true)
|-- FEMALE_RPY_1YR_N: string (nullable = true)
|-- MALE_RPY_1YR_N: string (nullable = true)
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|-- NOTFIRSTGEN_RPY_1YR_N: string (nullable = true)
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|-- COMPL_RPY_3YR_N: string (nullable = true)
|-- NONCOM_RPY_3YR_N: string (nullable = true)
|-- LO_INC_RPY_3YR_N: string (nullable = true)
|-- MD_INC_RPY_3YR_N: string (nullable = true)
|-- HI_INC_RPY_3YR_N: string (nullable = true)
|-- DEP_RPY_3YR_N: string (nullable = true)
|-- IND_RPY_3YR_N: string (nullable = true)
|-- PELL_RPY_3YR_N: string (nullable = true)
|-- NOPELL_RPY_3YR_N: string (nullable = true)
|-- FEMALE_RPY_3YR_N: string (nullable = true)
|-- MALE_RPY_3YR_N: string (nullable = true)
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|-- NOTFIRSTGEN_RPY_3YR_N: string (nullable = true)
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|-- NONCOM_RPY_5YR_N: string (nullable = true)
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|-- MD_INC_RPY_5YR_N: string (nullable = true)
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|-- NOPELL_RPY_5YR_N: string (nullable = true)
|-- FEMALE_RPY_5YR_N: string (nullable = true)
|-- MALE_RPY_5YR_N: string (nullable = true)
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|-- NOTFIRSTGEN_RPY_5YR_N: string (nullable = true)
|-- RPY_7YR_N: string (nullable = true)
|-- COMPL_RPY_7YR_N: string (nullable = true)
|-- NONCOM_RPY_7YR_N: string (nullable = true)
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|-- IND_RPY_7YR_N: string (nullable = true)
|-- PELL_RPY_7YR_N: string (nullable = true)
|-- NOPELL_RPY_7YR_N: string (nullable = true)
|-- FEMALE_RPY_7YR_N: string (nullable = true)
|-- MALE_RPY_7YR_N: string (nullable = true)
|-- FIRSTGEN_RPY_7YR_N: string (nullable = true)
```

```
|-- NOTFIRSTGEN_RPY_7YR_N: string (nullable = true)
|-- COUNT_ED: string (nullable = true)
|-- LOAN_EVER: string (nullable = true)
|-- PELL_EVER: string (nullable = true)
|-- AGE_ENTRY: string (nullable = true)
|-- AGE_ENTRY_SQ: string (nullable = true)
|-- AGEGE24: string (nullable = true)
|-- FEMALE: string (nullable = true)
|-- MARRIED: string (nullable = true)
|-- DEPENDENT: string (nullable = true)
|-- VETERAN: string (nullable = true)
|-- FIRST_GEN: string (nullable = true)
|-- FAMINC: string (nullable = true)
|-- MD_FAMINC: string (nullable = true)
|-- FAMINC_IND: string (nullable = true)
|-- LNFAMINC: string (nullable = true)
|-- LNFAMINC_IND: string (nullable = true)
|-- PCT_WHITE: string (nullable = true)
|-- PCT_BLACK: string (nullable = true)
|-- PCT_ASIAN: string (nullable = true)
|-- PCT_HISPANIC: string (nullable = true)
|-- PCT_BA: string (nullable = true)
|-- PCT_GRAD_PROF: string (nullable = true)
|-- PCT_BORN_US: string (nullable = true)
|-- MEDIAN_HH_INC: string (nullable = true)
|-- POVERTY_RATE: string (nullable = true)
|-- UNEMP_RATE: string (nullable = true)
|-- LN_MEDIAN_HH_INC: string (nullable = true)
|-- FSEND_COUNT: string (nullable = true)
|-- FSEND_1: string (nullable = true)
|-- FSEND_2: string (nullable = true)
|-- FSEND_3: string (nullable = true)
|-- FSEND_4: string (nullable = true)
|-- FSEND_5: string (nullable = true)
|-- COUNT_NWNE_P10: string (nullable = true)
|-- COUNT_WNE_P10: string (nullable = true)
|-- MN_EARN_WNE_P10: string (nullable = true)
|-- MD_EARN_WNE_P10: string (nullable = true)
|-- PCT10_EARN_WNE_P10: string (nullable = true)
|-- PCT25_EARN_WNE_P10: string (nullable = true)
|-- PCT75_EARN_WNE_P10: string (nullable = true)
|-- PCT90_EARN_WNE_P10: string (nullable = true)
|-- SD_EARN_WNE_P10: string (nullable = true)
|-- COUNT_WNE_INC1_P10: string (nullable = true)
|-- COUNT_WNE_INC2_P10: string (nullable = true)
|-- COUNT_WNE_INC3_P10: string (nullable = true)
|-- COUNT_WNE_INDEP0_INC1_P10: string (nullable = true)
|-- COUNT_WNE_INDEP0_P10: string (nullable = true)
```

```
|-- COUNT_WNE_INDEP1_P10: string (nullable = true)
|-- COUNT_WNE_MALE0_P10: string (nullable = true)
|-- COUNT_WNE_MALE1_P10: string (nullable = true)
|-- GT_25K_P10: string (nullable = true)
|-- MN_EARN_WNE_INC1_P10: string (nullable = true)
|-- MN_EARN_WNE_INC2_P10: string (nullable = true)
|-- MN_EARN_WNE_INC3_P10: string (nullable = true)
|-- MN_EARN_WNE_INDEP0_INC1_P10: string (nullable = true)
|-- MN_EARN_WNE_INDEP0_P10: string (nullable = true)
|-- MN_EARN_WNE_INDEP1_P10: string (nullable = true)
|-- MN_EARN_WNE_MALE0_P10: string (nullable = true)
|-- MN_EARN_WNE_MALE1_P10: string (nullable = true)
|-- COUNT_NWNE_P6: string (nullable = true)
|-- COUNT_WNE_P6: string (nullable = true)
|-- MN_EARN_WNE_P6: string (nullable = true)
|-- MD_EARN_WNE_P6: string (nullable = true)
|-- PCT10_EARN_WNE_P6: string (nullable = true)
|-- PCT25_EARN_WNE_P6: string (nullable = true)
|-- PCT75_EARN_WNE_P6: string (nullable = true)
|-- PCT90_EARN_WNE_P6: string (nullable = true)
|-- SD_EARN_WNE_P6: string (nullable = true)
|-- COUNT_WNE_INC1_P6: string (nullable = true)
|-- COUNT_WNE_INC2_P6: string (nullable = true)
|-- COUNT_WNE_INC3_P6: string (nullable = true)
|-- COUNT_WNE_INDEP0_INC1_P6: string (nullable = true)
|-- COUNT_WNE_INDEP0_P6: string (nullable = true)
|-- COUNT_WNE_INDEP1_P6: string (nullable = true)
|-- COUNT_WNE_MALE0_P6: string (nullable = true)
|-- COUNT_WNE_MALE1_P6: string (nullable = true)
|-- GT_25K_P6: string (nullable = true)
|-- MN_EARN_WNE_INC1_P6: string (nullable = true)
|-- MN_EARN_WNE_INC2_P6: string (nullable = true)
|-- MN_EARN_WNE_INC3_P6: string (nullable = true)
|-- MN_EARN_WNE_INDEP0_INC1_P6: string (nullable = true)
|-- MN_EARN_WNE_INDEP0_P6: string (nullable = true)
|-- MN_EARN_WNE_INDEP1_P6: string (nullable = true)
|-- MN_EARN_WNE_MALE0_P6: string (nullable = true)
|-- MN_EARN_WNE_MALE1_P6: string (nullable = true)
|-- COUNT_NWNE_P7: string (nullable = true)
|-- COUNT_WNE_P7: string (nullable = true)
|-- MN_EARN_WNE_P7: string (nullable = true)
|-- SD_EARN_WNE_P7: string (nullable = true)
|-- GT_25K_P7: string (nullable = true)
|-- COUNT_NWNE_P8: string (nullable = true)
|-- COUNT_WNE_P8: string (nullable = true)
|-- MN_EARN_WNE_P8: string (nullable = true)
|-- MD_EARN_WNE_P8: string (nullable = true)
|-- PCT10_EARN_WNE_P8: string (nullable = true)
```

```
|-- PCT25_EARN_WNE_P8: string (nullable = true)
|-- PCT75_EARN_WNE_P8: string (nullable = true)
|-- PCT90_EARN_WNE_P8: string (nullable = true)
|-- SD_EARN_WNE_P8: string (nullable = true)
|-- GT_25K_P8: string (nullable = true)
|-- COUNT_NWNE_P9: string (nullable = true)
|-- COUNT_WNE_P9: string (nullable = true)
|-- MN_EARN_WNE_P9: string (nullable = true)
|-- SD_EARN_WNE_P9: string (nullable = true)
|-- GT_25K_P9: string (nullable = true)
|-- DEBT_MDN_SUPP: string (nullable = true)
|-- GRAD_DEBT_MDN_SUPP: string (nullable = true)
|-- GRAD_DEBT_MDN10YR_SUPP: string (nullable = true)
|-- RPY_3YR_RT_SUPP: string (nullable = true)
|-- LO_INC_RPY_3YR_RT_SUPP: string (nullable = true)
|-- MD_INC_RPY_3YR_RT_SUPP: string (nullable = true)
|-- HI_INC_RPY_3YR_RT_SUPP: string (nullable = true)
|-- COMPL_RPY_3YR_RT_SUPP: string (nullable = true)
|-- NONCOM_RPY_3YR_RT_SUPP: string (nullable = true)
|-- DEP_RPY_3YR_RT_SUPP: string (nullable = true)
|-- IND_RPY_3YR_RT_SUPP: string (nullable = true)
|-- PELL_RPY_3YR_RT_SUPP: string (nullable = true)
|-- NOPELL_RPY_3YR_RT_SUPP: string (nullable = true)
|-- FEMALE_RPY_3YR_RT_SUPP: string (nullable = true)
|-- MALE_RPY_3YR_RT_SUPP: string (nullable = true)
|-- FIRSTGEN_RPY_3YR_RT_SUPP: string (nullable = true)
|-- NOTFIRSTGEN_RPY_3YR_RT_SUPP: string (nullable = true)
|-- C150_L4_POOLED_SUPP: string (nullable = true)
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|-- C200_L4_POOLED_SUPP: string (nullable = true)
|-- C200_4_POOLED_SUPP: string (nullable = true)
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|-- C100_4: string (nullable = true)
|-- D100_4: string (nullable = true)
|-- C100_L4: string (nullable = true)
|-- D100_L4: string (nullable = true)
|-- TRANS_4: string (nullable = true)
|-- DTRANS_4: string (nullable = true)
|-- TRANS_L4: string (nullable = true)
|-- DTRANS_L4: string (nullable = true)
|-- ICLEVEL: integer (nullable = true)
|-- UGDS_MEN: string (nullable = true)
|-- UGDS_WOMEN: string (nullable = true)
|-- CDR3_DENOM: string (nullable = true)
|-- CDR2_DENOM: string (nullable = true)
|-- T4APPROVALDATE: string (nullable = true)
|-- D150_4_WHITE: string (nullable = true)
|-- D150_4_BLACK: string (nullable = true)
```

```
|-- D150_4_HISP: string (nullable = true)
|-- D150_4_ASIAN: string (nullable = true)
|-- D150_4_AIAN: string (nullable = true)
|-- D150_4_NHPI: string (nullable = true)
|-- D150_4_2MOR: string (nullable = true)
|-- D150_4_NRA: string (nullable = true)
|-- D150_4_UNKN: string (nullable = true)
|-- D150_4_WHITENH: string (nullable = true)
|-- D150_4_BLACKNH: string (nullable = true)
|-- D150_4_API: string (nullable = true)
|-- D150_4_AIANOLD: string (nullable = true)
|-- D150_4_HISPOLD: string (nullable = true)
|-- D150_L4_WHITE: string (nullable = true)
|-- D150_L4_BLACK: string (nullable = true)
|-- D150_L4_HISP: string (nullable = true)
|-- D150_L4_ASIAN: string (nullable = true)
|-- D150_L4_AIAN: string (nullable = true)
|-- D150_L4_NHPI: string (nullable = true)
|-- D150_L4_2MOR: string (nullable = true)
|-- D150_L4_NRA: string (nullable = true)
|-- D150_L4_UNKN: string (nullable = true)
|-- D150_L4_WHITENH: string (nullable = true)
|-- D150_L4_BLACKNH: string (nullable = true)
|-- D150_L4_API: string (nullable = true)
|-- D150_L4_AIANOLD: string (nullable = true)
|-- D150_L4_HISPOLD: string (nullable = true)
|-- D_PCTPELL_PCTFLOAN: string (nullable = true)
|-- OPENADMP: string (nullable = true)
|-- UGNONDS: string (nullable = true)
|-- GRADS: string (nullable = true)
|-- ACCREDCODE: string (nullable = true)
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|-- OMAWDP6_FTFT: string (nullable = true)
|-- OMACHT8_FTFT: string (nullable = true)
|-- OMAWDP8_FTFT: string (nullable = true)
|-- OMENRYP8_FTFT: string (nullable = true)
|-- OMENRAP8_FTFT: string (nullable = true)
|-- OMENRUP8_FTFT: string (nullable = true)
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|-- OMAWDP6_PTFT: string (nullable = true)
|-- OMACHT8_PTFT: string (nullable = true)
|-- OMAWDP8_PTFT: string (nullable = true)
|-- OMENRYP8_PTFT: string (nullable = true)
|-- OMENRAP8_PTFT: string (nullable = true)
|-- OMENRUP8_PTFT: string (nullable = true)
|-- OMACHT6_FTNFT: string (nullable = true)
|-- OMAWDP6_FTNFT: string (nullable = true)
|-- OMACHT8_FTNFT: string (nullable = true)
```

```
|-- OMAWDP8_FTNFT: string (nullable = true)
|-- OMENRYP8_FTNFT: string (nullable = true)
|-- OMENRAP8_FTNFT: string (nullable = true)
|-- OMENRUP8_FTNFT: string (nullable = true)
|-- OMACHT6_PTNFT: string (nullable = true)
|-- OMAWDP6_PTNFT: string (nullable = true)
|-- OMACHT8_PTNFT: string (nullable = true)
|-- OMAWDP8_PTNFT: string (nullable = true)
|-- OMENRYP8_PTNFT: string (nullable = true)
|-- OMENRAP8_PTNFT: string (nullable = true)
|-- OMENRUP8_PTNFT: string (nullable = true)
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|-- RET_FTL4_POOLED: string (nullable = true)
|-- RET_PT4_POOLED: string (nullable = true)
|-- RET_PTL4_POOLED: string (nullable = true)
|-- RET_FT_DEN4_POOLED: string (nullable = true)
|-- RET_FT_DENL4_POOLED: string (nullable = true)
|-- RET_PT_DEN4_POOLED: string (nullable = true)
|-- RET_PT_DENL4_POOLED: string (nullable = true)
|-- POOLYRSRET_FT: string (nullable = true)
|-- POOLYRSRET_PT: string (nullable = true)
|-- RET_FT4_POOLED_SUPP: string (nullable = true)
|-- RET_FTL4_POOLED_SUPP: string (nullable = true)
|-- RET_PT4_POOLED_SUPP: string (nullable = true)
|-- RET_PTL4_POOLED_SUPP: string (nullable = true)
|-- TRANS_4_POOLED: string (nullable = true)
|-- TRANS_L4_POOLED: string (nullable = true)
|-- DTRANS_4_POOLED: string (nullable = true)
|-- DTRANS_L4_POOLED: string (nullable = true)
|-- TRANS_4_POOLED_SUPP: string (nullable = true)
|-- TRANS_L4_POOLED_SUPP: string (nullable = true)
|-- C100_4_POOLED: string (nullable = true)
|-- C100_L4_POOLED: string (nullable = true)
|-- D100_4_POOLED: string (nullable = true)
|-- D100_L4_POOLED: string (nullable = true)
|-- POOLYRS100: string (nullable = true)
|-- C100_4_POOLED_SUPP: string (nullable = true)
|-- C100_L4_POOLED_SUPP: string (nullable = true)
|-- C150_4_PELL: string (nullable = true)
|-- D150_4_PELL: string (nullable = true)
|-- C150_L4_PELL: string (nullable = true)
|-- D150_L4_PELL: string (nullable = true)
|-- C150_4_LOANNOPELL: string (nullable = true)
|-- D150_4_LOANNOPELL: string (nullable = true)
|-- C150_L4_LOANNOPELL: string (nullable = true)
|-- D150_L4_LOANNOPELL: string (nullable = true)
|-- C150_4_NOLOANNOPELL: string (nullable = true)
|-- D150_4_NOLOANNOPELL: string (nullable = true)
```

```
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|-- D150_L4_NOLOANNOPELL: string (nullable = true)
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|-- GT_28K_P6: string (nullable = true)
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|-- OMAWDP6_FTFT_POOLED: string (nullable = true)
|-- OMACHT8_FTFT_POOLED: string (nullable = true)
|-- OMAWDP8_FTFT_POOLED: string (nullable = true)
|-- OMENRYP8_FTFT_POOLED: string (nullable = true)
|-- OMENRAP8_FTFT_POOLED: string (nullable = true)
|-- OMENRUP8_FTFT_POOLED: string (nullable = true)
|-- OMACHT6_PTFT_POOLED: string (nullable = true)
|-- OMAWDP6_PTFT_POOLED: string (nullable = true)
|-- OMACHT8_PTFT_POOLED: string (nullable = true)
|-- OMAWDP8_PTFT_POOLED: string (nullable = true)
|-- OMENRYP8_PTFT_POOLED: string (nullable = true)
|-- OMENRAP8_PTFT_POOLED: string (nullable = true)
|-- OMENRUP8_PTFT_POOLED: string (nullable = true)
|-- OMACHT6_FTNFT_POOLED: string (nullable = true)
|-- OMAWDP6_FTNFT_POOLED: string (nullable = true)
|-- OMACHT8_FTNFT_POOLED: string (nullable = true)
|-- OMAWDP8_FTNFT_POOLED: string (nullable = true)
|-- OMENRYP8_FTNFT_POOLED: string (nullable = true)
|-- OMENRAP8_FTNFT_POOLED: string (nullable = true)
|-- OMENRUP8_FTNFT_POOLED: string (nullable = true)
|-- OMACHT6_PTNFT_POOLED: string (nullable = true)
|-- OMAWDP6_PTNFT_POOLED: string (nullable = true)
|-- OMACHT8_PTNFT_POOLED: string (nullable = true)
|-- OMAWDP8_PTNFT_POOLED: string (nullable = true)
|-- OMENRYP8_PTNFT_POOLED: string (nullable = true)
|-- OMENRAP8_PTNFT_POOLED: string (nullable = true)
|-- OMENRUP8_PTNFT_POOLED: string (nullable = true)
|-- POOLYRSOM_FTFT: string (nullable = true)
|-- POOLYRSOM_PTFT: string (nullable = true)
|-- POOLYRSOM_FTNFT: string (nullable = true)
|-- POOLYRSOM_PTNFT: string (nullable = true)
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|-- OMAWDP8_FTFT_POOLED_SUPP: string (nullable = true)
|-- OMENRYP8_FTFT_POOLED_SUPP: string (nullable = true)
|-- OMENRAP8_FTFT_POOLED_SUPP: string (nullable = true)
|-- OMENRUP8_FTFT_POOLED_SUPP: string (nullable = true)
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|-- OMAWDP8_PTFT_POOLED_SUPP: string (nullable = true)
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|-- OMENRAP8_PTFT_POOLED_SUPP: string (nullable = true)
|-- OMENRUP8_PTFT_POOLED_SUPP: string (nullable = true)
|-- OMAWDP6_FTNFT_POOLED_SUPP: string (nullable = true)
```

```
|-- OMAWDP8_FTNFT_POOLED_SUPP: string (nullable = true)
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|-- OMENRAP8_FTNFT_POOLED_SUPP: string (nullable = true)
|-- OMENRUP8_FTNFT_POOLED_SUPP: string (nullable = true)
|-- OMAWDP6_PTNFT_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_PTNFT_POOLED_SUPP: string (nullable = true)
|-- OMENRYP8_PTNFT_POOLED_SUPP: string (nullable = true)
|-- OMENRAP8_PTNFT_POOLED_SUPP: string (nullable = true)
|-- OMENRUP8_PTNFT_POOLED_SUPP: string (nullable = true)
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|-- OPEFLAG: integer (nullable = true)
|-- PRGMOFR: string (nullable = true)
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|-- CIPCODE2: string (nullable = true)
|-- CIPCODE3: string (nullable = true)
|-- CIPCODE4: string (nullable = true)
|-- CIPCODE5: string (nullable = true)
|-- CIPCODE6: string (nullable = true)
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|-- CIPTITLE4: string (nullable = true)
|-- CIPTITLE5: string (nullable = true)
|-- CIPTITLE6: string (nullable = true)
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|-- CIPTFBS3: string (nullable = true)
|-- CIPTFBS4: string (nullable = true)
|-- CIPTFBS5: string (nullable = true)
|-- CIPTFBS6: string (nullable = true)
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|-- CIPTFBSANNUAL3: string (nullable = true)
|-- CIPTFBSANNUAL4: string (nullable = true)
|-- CIPTFBSANNUAL5: string (nullable = true)
|-- CIPTFBSANNUAL6: string (nullable = true)
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|-- MTHCMP2: string (nullable = true)
|-- MTHCMP3: string (nullable = true)
|-- MTHCMP4: string (nullable = true)
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|-- MTHCMP6: string (nullable = true)
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|-- POOLYRSOM_FIRSTTIME: string (nullable = true)
|-- POOLYRSOM_NOTFIRSTTIME: string (nullable = true)
|-- POOLYRSOM_FULLTIME: string (nullable = true)
|-- POOLYRSOM_PARTTIME: string (nullable = true)
|-- OMENRYP_ALL: string (nullable = true)
```

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|-- OMENRUP_ALL: string (nullable = true)
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|-- OMENRAP_FIRSTTIME: string (nullable = true)
|-- OMAWDP8_FIRSTTIME: string (nullable = true)
|-- OMENRUP_FIRSTTIME: string (nullable = true)
|-- OMENRYP_NOTFIRSTTIME: string (nullable = true)
|-- OMENRAP_NOTFIRSTTIME: string (nullable = true)
|-- OMAWDP8_NOTFIRSTTIME: string (nullable = true)
|-- OMENRUP_NOTFIRSTTIME: string (nullable = true)
|-- OMENRYP_FULLTIME: string (nullable = true)
|-- OMENRAP_FULLTIME: string (nullable = true)
|-- OMAWDP8_FULLTIME: string (nullable = true)
|-- OMENRUP_FULLTIME: string (nullable = true)
|-- OMENRYP_PARTTIME: string (nullable = true)
|-- OMENRAP_PARTTIME: string (nullable = true)
|-- OMAWDP8_PARTTIME: string (nullable = true)
|-- OMENRUP_PARTTIME: string (nullable = true)
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|-- OMENRAP_ALL_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_ALL_POOLED_SUPP: string (nullable = true)
|-- OMENRUP_ALL_POOLED_SUPP: string (nullable = true)
|-- OMENRYP_FIRSTTIME_POOLED_SUPP: string (nullable = true)
|-- OMENRAP_FIRSTTIME_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_FIRSTTIME_POOLED_SUPP: string (nullable = true)
|-- OMENRUP_FIRSTTIME_POOLED_SUPP: string (nullable = true)
|-- OMENRYP_NOTFIRSTTIME_POOLED_SUPP: string (nullable = true)
|-- OMENRAP_NOTFIRSTTIME_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_NOTFIRSTTIME_POOLED_SUPP: string (nullable = true)
|-- OMENRUP_NOTFIRSTTIME_POOLED_SUPP: string (nullable = true)
|-- OMENRYP_FULLTIME_POOLED_SUPP: string (nullable = true)
|-- OMENRAP_FULLTIME_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_FULLTIME_POOLED_SUPP: string (nullable = true)
|-- OMENRUP_FULLTIME_POOLED_SUPP: string (nullable = true)
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|-- OMENRAP_PARTTIME_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_PARTTIME_POOLED_SUPP: string (nullable = true)
|-- OMENRUP_PARTTIME_POOLED_SUPP: string (nullable = true)
|-- FTFTPCTPELL: string (nullable = true)
|-- FTFTPCTFLOAN: string (nullable = true)
|-- UG12MN: string (nullable = true)
|-- G12MN: string (nullable = true)
|-- SCUGFFN: string (nullable = true)
|-- POOLYRS_FTFTAIDPCT: string (nullable = true)
|-- FTFTPCTPELL_POOLED_SUPP: string (nullable = true)
|-- FTFTPCTFLOAN_POOLED_SUPP: string (nullable = true)
|-- SCUGFFN_POOLED: string (nullable = true)
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|-- PPLUS_PCT_HIGH: string (nullable = true)
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|-- PLUS_DEBT_ALL_N: string (nullable = true)
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|-- PLUS_DEBT_ALL_NOCOMP_N: string (nullable = true)
|-- PLUS_DEBT_ALL_NOCOMP_MD: string (nullable = true)
|-- PLUS_DEBT_INST_MALE_N: string (nullable = true)
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|-- PLUS_DEBT_ALL_MALE_MD: string (nullable = true)
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|-- PLUS_DEBT_ALL_STAFFTHIS_MD: string (nullable = true)
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|-- PLUS_DEBT_INST_NOSTAFFTHIS_MD: string (nullable = true)
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|-- PLUS_DEBT_ALL_NOSTAFFTHIS_MD: string (nullable = true)
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|-- DBRR4_FED_UGCOMP_NUM: string (nullable = true)
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|-- DBRR1_PP_UGUNK_NUM: string (nullable = true)
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|-- BBRR1_FED_UGCOMP_FBR: string (nullable = true)
|-- BBRR1_FED_UGCOMP_DFR: string (nullable = true)
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|-- BBRR1_FED_UGCOMP_PAIDINFULL: string (nullable = true)
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|-- BBRR1_FED_UGUNK_PAIDINFULL: string (nullable = true)
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|-- BBRR1_FED_GR_DFR: string (nullable = true)
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|-- BBRR1_FED_GRNOCOMP_PAIDINFULL: string (nullable = true)
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|-- BBRR1_PP_UGCOMP_DLNQ: string (nullable = true)
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|-- BBRR2_FED_UG_DFR: string (nullable = true)
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|-- BBRR2_FED_GR_PAIDINFULL: string (nullable = true)
|-- BBRR2_FED_GR_DISCHARGE: string (nullable = true)
|-- BBRR2_FED_GRCOMP_N: string (nullable = true)
|-- BBRR2_FED_GRCOMP_DFLT: string (nullable = true)
|-- BBRR2_FED_GRCOMP_DLNQ: string (nullable = true)
|-- BBRR2_FED_GRCOMP_FBR: string (nullable = true)
|-- BBRR2_FED_GRCOMP_DFR: string (nullable = true)
|-- BBRR2_FED_GRCOMP_NOPROG: string (nullable = true)
|-- BBRR2_FED_GRCOMP_MAKEPROG: string (nullable = true)
|-- BBRR2_FED_GRCOMP_PAIDINFULL: string (nullable = true)
|-- BBRR2_FED_GRCOMP_DISCHARGE: string (nullable = true)
|-- BBRR2_FED_GRNOCOMP_N: string (nullable = true)
|-- BBRR2_FED_GRNOCOMP_DFLT: string (nullable = true)
|-- BBRR2_FED_GRNOCOMP_DLNQ: string (nullable = true)
|-- BBRR2_FED_GRNOCOMP_FBR: string (nullable = true)
|-- BBRR2_FED_GRNOCOMP_DFR: string (nullable = true)
|-- BBRR2_FED_GRNOCOMP_NOPROG: string (nullable = true)
|-- BBRR2_FED_GRNOCOMP_MAKEPROG: string (nullable = true)
|-- BBRR2_FED_GRNOCOMP_PAIDINFULL: string (nullable = true)
|-- BBRR2_FED_GRNOCOMP_DISCHARGE: string (nullable = true)
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|-- BBRR2_PP_UG_DFLT: string (nullable = true)
|-- BBRR2_PP_UG_DLNQ: string (nullable = true)
|-- BBRR2_PP_UG_FBR: string (nullable = true)
|-- BBRR2_PP_UG_DFR: string (nullable = true)
|-- BBRR2_PP_UG_NOPROG: string (nullable = true)
|-- BBRR2_PP_UG_MAKEPROG: string (nullable = true)
|-- BBRR2_PP_UG_PAIDINFULL: string (nullable = true)
|-- BBRR2_PP_UG_DISCHARGE: string (nullable = true)
|-- BBRR2_PP_UGCOMP_N: string (nullable = true)
|-- BBRR2_PP_UGCOMP_DFLT: string (nullable = true)
|-- BBRR2_PP_UGCOMP_DLNQ: string (nullable = true)
|-- BBRR2_PP_UGCOMP_FBR: string (nullable = true)
|-- BBRR2_PP_UGCOMP_DFR: string (nullable = true)
|-- BBRR2_PP_UGCOMP_NOPROG: string (nullable = true)
|-- BBRR2_PP_UGCOMP_MAKEPROG: string (nullable = true)
|-- BBRR2_PP_UGCOMP_PAIDINFULL: string (nullable = true)
|-- BBRR2_PP_UGCOMP_DISCHARGE: string (nullable = true)
|-- BBRR2_PP_UGNOCOMP_N: string (nullable = true)
|-- BBRR2_PP_UGNOCOMP_DFLT: string (nullable = true)
|-- BBRR2_PP_UGNOCOMP_DLNQ: string (nullable = true)
|-- BBRR2_PP_UGNOCOMP_FBR: string (nullable = true)
|-- BBRR2_PP_UGNOCOMP_DFR: string (nullable = true)
|-- BBRR2_PP_UGNOCOMP_NOPROG: string (nullable = true)
|-- BBRR2_PP_UGNOCOMP_MAKEPROG: string (nullable = true)
|-- BBRR2_PP_UGNOCOMP_PAIDINFULL: string (nullable = true)
|-- BBRR2_PP_UGNOCOMP_DISCHARGE: string (nullable = true)
|-- BBRR2_PP_UGUNK_N: string (nullable = true)
|-- BBRR2_PP_UGUNK_DFLT: string (nullable = true)
|-- BBRR2_PP_UGUNK_DLNQ: string (nullable = true)
|-- BBRR2_PP_UGUNK_FBR: string (nullable = true)
|-- BBRR2_PP_UGUNK_DFR: string (nullable = true)
|-- BBRR2_PP_UGUNK_NOPROG: string (nullable = true)
|-- BBRR2_PP_UGUNK_MAKEPROG: string (nullable = true)
|-- BBRR2_PP_UGUNK_PAIDINFULL: string (nullable = true)
|-- BBRR2_PP_UGUNK_DISCHARGE: string (nullable = true)
|-- BBRR2_FED_UG_N_SUPP: string (nullable = true)
|-- BBRR2_FED_UG_DFLT_SUPP: string (nullable = true)
|-- BBRR2_FED_UG_DLNQ_SUPP: string (nullable = true)
|-- BBRR2_FED_UG_FBR_SUPP: string (nullable = true)
|-- BBRR2_FED_UG_DFR_SUPP: string (nullable = true)
|-- BBRR2_FED_UG_NOPROG_SUPP: string (nullable = true)
|-- BBRR2_FED_UG_MAKEPROG_SUPP: string (nullable = true)
|-- BBRR2_FED_UG_PAIDINFULL_SUPP: string (nullable = true)
|-- BBRR2_FED_UG_DISCHARGE_SUPP: string (nullable = true)
|-- BBRR2_FED_UGCOMP_N_SUPP: string (nullable = true)
|-- BBRR2_FED_UGCOMP_DFLT_SUPP: string (nullable = true)
|-- BBRR2_FED_UGCOMP_DLNQ_SUPP: string (nullable = true)
```

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|-- BBRR2_FED_UGCOMP_FBR_SUPP: string (nullable = true)
|-- BBRR2_FED_UGCOMP_DFR_SUPP: string (nullable = true)
|-- BBRR2_FED_UGCOMP_NOPROG_SUPP: string (nullable = true)
|-- BBRR2_FED_UGCOMP_MAKEPROG_SUPP: string (nullable = true)
|-- BBRR2_FED_UGCOMP_PAIDINFULL_SUPP: string (nullable = true)
|-- BBRR2_FED_UGCOMP_DISCHARGE_SUPP: string (nullable = true)
|-- LPSTAFFORD_CNT: string (nullable = true)
|-- LPSTAFFORD_AMT: string (nullable = true)
|-- LPPPLUS_CNT: string (nullable = true)
|-- LPPPLUS_AMT: string (nullable = true)
|-- LPGPLUS_CNT: string (nullable = true)
|-- LPGPLUS_AMT: string (nullable = true)
|-- FEDSCHCD: string (nullable = true)
|-- BOOKSUPPLY: string (nullable = true)
|-- ROOMBOARD_ON: string (nullable = true)
|-- OTHEREXPENSE_ON: string (nullable = true)
|-- ROOMBOARD_OFF: string (nullable = true)
|-- OTHEREXPENSE_OFF: string (nullable = true)
|-- OTHEREXPENSE_FAM: string (nullable = true)
|-- ENDOWBEGIN: string (nullable = true)
|-- ENDOWEND: string (nullable = true)
|-- DOLPROVIDER: string (nullable = true)
|-- ADMCON7: string (nullable = true)
|-- MDCOMP_PD: string (nullable = true)
|-- MDCOST_PD: string (nullable = true)
|-- MDEARN_PD: string (nullable = true)
|-- MDCOMP_ALL: string (nullable = true)
|-- MDCOST_ALL: string (nullable = true)
|-- MDEARN_ALL: string (nullable = true)
|-- D150_L4_PELL_POOLED: string (nullable = true)
|-- C150_L4_PELL_POOLED: string (nullable = true)
|-- D150_4_PELL_POOLED: string (nullable = true)
|-- C150_4_PELL_POOLED: string (nullable = true)
|-- C150_L4_PELL_POOLED_SUPP: string (nullable = true)
|-- C150_4_PELL_POOLED_SUPP: string (nullable = true)
|-- POOLYRS150_PELL: string (nullable = true)
|-- OMENRYP_PELL_ALL: string (nullable = true)
|-- OMENRAP_PELL_ALL: string (nullable = true)
|-- OMAWDP8_PELL_ALL: string (nullable = true)
|-- OMENRUP_PELL_ALL: string (nullable = true)
|-- OMENRYP_PELL_FIRSTTIME: string (nullable = true)
|-- OMENRAP_PELL_FIRSTTIME: string (nullable = true)
|-- OMAWDP8_PELL_FIRSTTIME: string (nullable = true)
|-- OMENRUP_PELL_FIRSTTIME: string (nullable = true)
|-- OMENRYP_PELL_NOTFIRSTTIME: string (nullable = true)
|-- OMENRAP_PELL_NOTFIRSTTIME: string (nullable = true)
|-- OMAWDP8_PELL_NOTFIRSTTIME: string (nullable = true)
|-- OMENRUP_PELL_NOTFIRSTTIME: string (nullable = true)
```

```
|-- OMENRYP_PELL_FULLTIME: string (nullable = true)
|-- OMENRAP_PELL_FULLTIME: string (nullable = true)
|-- OMAWDP8_PELL_FULLTIME: string (nullable = true)
|-- OMENRUP_PELL_FULLTIME: string (nullable = true)
|-- OMENRYP_PELL_PARTTIME: string (nullable = true)
|-- OMENRAP_PELL_PARTTIME: string (nullable = true)
|-- OMAWDP8_PELL_PARTTIME: string (nullable = true)
|-- OMENRUP_PELL_PARTTIME: string (nullable = true)
|-- OMACHT8_PELL_FTFT: string (nullable = true)
|-- OMAWDP8_PELL_FTFT: string (nullable = true)
|-- OMENRYP8_PELL_FTFT: string (nullable = true)
|-- OMENRAP8_PELL_FTFT: string (nullable = true)
|-- OMENRUP8_PELL_FTFT: string (nullable = true)
|-- OMACHT8_PELL_PTFT: string (nullable = true)
|-- OMAWDP8_PELL_PTFT: string (nullable = true)
|-- OMENRYP8_PELL_PTFT: string (nullable = true)
|-- OMENRAP8_PELL_PTFT: string (nullable = true)
|-- OMENRUP8_PELL_PTFT: string (nullable = true)
|-- OMACHT8_PELL_FTNFT: string (nullable = true)
|-- OMAWDP8_PELL_FTNFT: string (nullable = true)
|-- OMENRYP8_PELL_FTNFT: string (nullable = true)
|-- OMENRAP8_PELL_FTNFT: string (nullable = true)
|-- OMENRUP8_PELL_FTNFT: string (nullable = true)
|-- OMACHT8_PELL_PTNFT: string (nullable = true)
|-- OMAWDP8_PELL_PTNFT: string (nullable = true)
|-- OMENRYP8_PELL_PTNFT: string (nullable = true)
|-- OMENRAP8_PELL_PTNFT: string (nullable = true)
|-- OMENRUP8_PELL_PTNFT: string (nullable = true)
|-- OMACHT8_PELL_FTFT_POOLED: string (nullable = true)
|-- OMACHT8_PELL_PTFT_POOLED: string (nullable = true)
|-- OMACHT8_PELL_FTNFT_POOLED: string (nullable = true)
|-- OMACHT8_PELL_PTNFT_POOLED: string (nullable = true)
|-- OMAWDP8_PELL_FTFT_POOLED: string (nullable = true)
|-- OMENRYP8_PELL_FTFT_POOLED: string (nullable = true)
|-- OMENRAP8_PELL_FTFT_POOLED: string (nullable = true)
|-- OMENRUP8_PELL_FTFT_POOLED: string (nullable = true)
|-- OMAWDP8_PELL_PTFT_POOLED: string (nullable = true)
|-- OMENRYP8_PELL_PTFT_POOLED: string (nullable = true)
|-- OMENRAP8_PELL_PTFT_POOLED: string (nullable = true)
|-- OMENRUP8_PELL_PTFT_POOLED: string (nullable = true)
|-- OMAWDP8_PELL_FTNFT_POOLED: string (nullable = true)
|-- OMENRYP8_PELL_FTNFT_POOLED: string (nullable = true)
|-- OMENRAP8_PELL_FTNFT_POOLED: string (nullable = true)
|-- OMENRUP8_PELL_FTNFT_POOLED: string (nullable = true)
|-- OMAWDP8_PELL_PTNFT_POOLED: string (nullable = true)
|-- OMENRYP8_PELL_PTNFT_POOLED: string (nullable = true)
|-- OMENRAP8_PELL_PTNFT_POOLED: string (nullable = true)
|-- OMENRUP8_PELL_PTNFT_POOLED: string (nullable = true)
```

```
|-- OMENRYP_PELL_ALL_POOLED: string (nullable = true)
|-- OMENRAP_PELL_ALL_POOLED: string (nullable = true)
|-- OMAWDP8_PELL_ALL_POOLED: string (nullable = true)
|-- OMENRUP_PELL_ALL_POOLED: string (nullable = true)
|-- OMENRYP_PELL_FTT_POOLED: string (nullable = true)
|-- OMENRAP_PELL_FTT_POOLED: string (nullable = true)
|-- OMAWDP8_PELL_FTT_POOLED: string (nullable = true)
|-- OMENRUP_PELL_FTT_POOLED: string (nullable = true)
|-- OMENRYP_PELL_NFT_POOLED: string (nullable = true)
|-- OMENRAP_PELL_NFT_POOLED: string (nullable = true)
|-- OMAWDP8_PELL_NFT_POOLED: string (nullable = true)
|-- OMENRUP_PELL_NFT_POOLED: string (nullable = true)
|-- OMENRYP_PELL_FT_POOLED: string (nullable = true)
|-- OMENRAP_PELL_FT_POOLED: string (nullable = true)
|-- OMAWDP8_PELL_FT_POOLED: string (nullable = true)
|-- OMENRUP_PELL_FT_POOLED: string (nullable = true)
|-- OMENRYP_PELL_PT_POOLED: string (nullable = true)
|-- OMENRAP_PELL_PT_POOLED: string (nullable = true)
|-- OMAWDP8_PELL_PT_POOLED: string (nullable = true)
|-- OMENRUP_PELL_PT_POOLED: string (nullable = true)
|-- POOLYRSOM_PELL_FTFT: string (nullable = true)
|-- POOLYRSOM_PELL_PTFT: string (nullable = true)
|-- POOLYRSOM_PELL_FTNFT: string (nullable = true)
|-- POOLYRSOM_PELL_PTNFT: string (nullable = true)
|-- POOLYRSOM_PELL_ALL: string (nullable = true)
|-- POOLYRSOM_PELL_FIRSTTIME: string (nullable = true)
|-- POOLYRSOM_PELL_NOTFIRSTTIME: string (nullable = true)
|-- POOLYRSOM_PELL_FULLTIME: string (nullable = true)
|-- POOLYRSOM_PELL_PARTTIME: string (nullable = true)
|-- OMAWDP8_PELL_FTFT_POOLED_SUPP: string (nullable = true)
|-- OMENRYP8_PELL_FTFT_POOLED_SUPP: string (nullable = true)
|-- OMENRAP8_PELL_FTFT_POOLED_SUPP: string (nullable = true)
|-- OMENRUP8_PELL_FTFT_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_PELL_PTFT_POOLED_SUPP: string (nullable = true)
|-- OMENRYP8_PELL_PTFT_POOLED_SUPP: string (nullable = true)
|-- OMENRAP8_PELL_PTFT_POOLED_SUPP: string (nullable = true)
|-- OMENRUP8_PELL_PTFT_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_PELL_FTNFT_POOLED_SUPP: string (nullable = true)
|-- OMENRYP8_PELL_FTNFT_POOLED_SUPP: string (nullable = true)
|-- OMENRAP8_PELL_FTNFT_POOLED_SUPP: string (nullable = true)
|-- OMENRUP8_PELL_FTNFT_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_PELL_PTNFT_POOLED_SUPP: string (nullable = true)
|-- OMENRYP8_PELL_PTNFT_POOLED_SUPP: string (nullable = true)
|-- OMENRAP8_PELL_PTNFT_POOLED_SUPP: string (nullable = true)
|-- OMENRUP8_PELL_PTNFT_POOLED_SUPP: string (nullable = true)
|-- OMENRYP_PELL_ALL_POOLED_SUPP: string (nullable = true)
|-- OMENRAP_PELL_ALL_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_PELL_ALL_POOLED_SUPP: string (nullable = true)
```

```
|-- OMENRUP_PELL_ALL_POOLED_SUPP: string (nullable = true)
|-- OMENRYP_PELL_FTT_POOLED_SUPP: string (nullable = true)
|-- OMENRAP_PELL_FTT_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_PELL_FTT_POOLED_SUPP: string (nullable = true)
|-- OMENRUP_PELL_FTT_POOLED_SUPP: string (nullable = true)
|-- OMENRYP_PELL_NFT_POOLED_SUPP: string (nullable = true)
|-- OMENRAP_PELL_NFT_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_PELL_NFT_POOLED_SUPP: string (nullable = true)
|-- OMENRUP_PELL_NFT_POOLED_SUPP: string (nullable = true)
|-- OMENRYP_PELL_FT_POOLED_SUPP: string (nullable = true)
|-- OMENRAP_PELL_FT_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_PELL_FT_POOLED_SUPP: string (nullable = true)
|-- OMENRUP_PELL_FT_POOLED_SUPP: string (nullable = true)
|-- OMENRYP_PELL_PT_POOLED_SUPP: string (nullable = true)
|-- OMENRAP_PELL_PT_POOLED_SUPP: string (nullable = true)
|-- OMAWDP8_PELL_PT_POOLED_SUPP: string (nullable = true)
|-- OMENRUP_PELL_PT_POOLED_SUPP: string (nullable = true)
|-- BBRR1_FED_IND_N: string (nullable = true)
|-- BBRR1_FED_IND_DFLT: string (nullable = true)
|-- BBRR1_FED_IND_DLNQ: string (nullable = true)
|-- BBRR1_FED_IND_FBR: string (nullable = true)
|-- BBRR1_FED_IND_DFR: string (nullable = true)
|-- BBRR1_FED_IND_NOPROG: string (nullable = true)
|-- BBRR1_FED_IND_MAKEPROG: string (nullable = true)
|-- BBRR1_FED_IND_PAIDINFULL: string (nullable = true)
|-- BBRR1_FED_IND_DISCHARGE: string (nullable = true)
|-- BBRR1_FED_DEP_N: string (nullable = true)
|-- BBRR1_FED_DEP_DFLT: string (nullable = true)
|-- BBRR1_FED_DEP_DLNQ: string (nullable = true)
|-- BBRR1_FED_DEP_FBR: string (nullable = true)
|-- BBRR1_FED_DEP_DFR: string (nullable = true)
|-- BBRR1_FED_DEP_NOPROG: string (nullable = true)
|-- BBRR1_FED_DEP_MAKEPROG: string (nullable = true)
|-- BBRR1_FED_DEP_PAIDINFULL: string (nullable = true)
|-- BBRR1_FED_DEP_DISCHARGE: string (nullable = true)
|-- BBRR1_FED_PELL_N: string (nullable = true)
|-- BBRR1_FED_PELL_DFLT: string (nullable = true)
|-- BBRR1_FED_PELL_DLNQ: string (nullable = true)
|-- BBRR1_FED_PELL_FBR: string (nullable = true)
|-- BBRR1_FED_PELL_DFR: string (nullable = true)
|-- BBRR1_FED_PELL_NOPROG: string (nullable = true)
|-- BBRR1_FED_PELL_MAKEPROG: string (nullable = true)
|-- BBRR1_FED_PELL_PAIDINFULL: string (nullable = true)
|-- BBRR1_FED_PELL_DISCHARGE: string (nullable = true)
|-- BBRR1_FED_NOPELL_N: string (nullable = true)
|-- BBRR1_FED_NOPELL_DFLT: string (nullable = true)
|-- BBRR1_FED_NOPELL_DLNQ: string (nullable = true)
|-- BBRR1_FED_NOPELL_FBR: string (nullable = true)
```

```
|-- BBRR1_FED_NOPELL_DFR: string (nullable = true)
|-- BBRR1_FED_NOPELL_NOPROG: string (nullable = true)
|-- BBRR1_FED_NOPELL_MAKEPROG: string (nullable = true)
|-- BBRR1_FED_NOPELL_PAIDINFULL: string (nullable = true)
|-- BBRR1_FED_NOPELL_DISCHARGE: string (nullable = true)
|-- BBRR1_FED_MALE_N: string (nullable = true)
|-- BBRR1_FED_MALE_DFLT: string (nullable = true)
|-- BBRR1_FED_MALE_DLNQ: string (nullable = true)
|-- BBRR1_FED_MALE_FBR: string (nullable = true)
|-- BBRR1_FED_MALE_DFR: string (nullable = true)
|-- BBRR1_FED_MALE_NOPROG: string (nullable = true)
|-- BBRR1_FED_MALE_MAKEPROG: string (nullable = true)
|-- BBRR1_FED_MALE_PAIDINFULL: string (nullable = true)
|-- BBRR1_FED_MALE_DISCHARGE: string (nullable = true)
|-- BBRR1_FED_NOMALE_N: string (nullable = true)
|-- BBRR1_FED_NOMALE_DFLT: string (nullable = true)
|-- BBRR1_FED_NOMALE_DLNQ: string (nullable = true)
|-- BBRR1_FED_NOMALE_FBR: string (nullable = true)
|-- BBRR1_FED_NOMALE_DFR: string (nullable = true)
|-- BBRR1_FED_NOMALE_NOPROG: string (nullable = true)
|-- BBRR1_FED_NOMALE_MAKEPROG: string (nullable = true)
|-- BBRR1_FED_NOMALE_PAIDINFULL: string (nullable = true)
|-- BBRR1_FED_NOMALE_DISCHARGE: string (nullable = true)
|-- BBRR1_PP_IND_N: string (nullable = true)
|-- BBRR1_PP_IND_DFLT: string (nullable = true)
|-- BBRR1_PP_IND_DLNQ: string (nullable = true)
|-- BBRR1_PP_IND_FBR: string (nullable = true)
|-- BBRR1_PP_IND_DFR: string (nullable = true)
|-- BBRR1_PP_IND_NOPROG: string (nullable = true)
|-- BBRR1_PP_IND_MAKEPROG: string (nullable = true)
|-- BBRR1_PP_IND_PAIDINFULL: string (nullable = true)
|-- BBRR1_PP_IND_DISCHARGE: string (nullable = true)
|-- BBRR1_PP_DEP_N: string (nullable = true)
|-- BBRR1_PP_DEP_DFLT: string (nullable = true)
|-- BBRR1_PP_DEP_DLNQ: string (nullable = true)
|-- BBRR1_PP_DEP_FBR: string (nullable = true)
|-- BBRR1_PP_DEP_DFR: string (nullable = true)
|-- BBRR1_PP_DEP_NOPROG: string (nullable = true)
|-- BBRR1_PP_DEP_MAKEPROG: string (nullable = true)
|-- BBRR1_PP_DEP_PAIDINFULL: string (nullable = true)
|-- BBRR1_PP_DEP_DISCHARGE: string (nullable = true)
|-- BBRR1_PP_PELL_N: string (nullable = true)
|-- BBRR1_PP_PELL_DFLT: string (nullable = true)
|-- BBRR1_PP_PELL_DLNQ: string (nullable = true)
|-- BBRR1_PP_PELL_FBR: string (nullable = true)
|-- BBRR1_PP_PELL_DFR: string (nullable = true)
|-- BBRR1_PP_PELL_NOPROG: string (nullable = true)
|-- BBRR1_PP_PELL_MAKEPROG: string (nullable = true)
```

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|-- BBRR1_PP_PELL_PAIDINFULL: string (nullable = true)
|-- BBRR1_PP_PELL_DISCHARGE: string (nullable = true)
|-- BBRR1_PP_NOPELL_N: string (nullable = true)
|-- BBRR1_PP_NOPELL_DFLT: string (nullable = true)
|-- BBRR1_PP_NOPELL_DLNQ: string (nullable = true)
|-- BBRR1_PP_NOPELL_FBR: string (nullable = true)
|-- BBRR1_PP_NOPELL_DFR: string (nullable = true)
|-- BBRR1_PP_NOPELL_NOPROG: string (nullable = true)
|-- BBRR1_PP_NOPELL_MAKEPROG: string (nullable = true)
|-- BBRR1_PP_NOPELL_PAIDINFULL: string (nullable = true)
|-- BBRR1_PP_NOPELL_DISCHARGE: string (nullable = true)
|-- BBRR1_PP_MALE_N: string (nullable = true)
|-- BBRR1_PP_MALE_DFLT: string (nullable = true)
|-- BBRR1_PP_MALE_DLNQ: string (nullable = true)
|-- BBRR1_PP_MALE_FBR: string (nullable = true)
|-- BBRR1_PP_MALE_DFR: string (nullable = true)
|-- BBRR1_PP_MALE_NOPROG: string (nullable = true)
|-- BBRR1_PP_MALE_MAKEPROG: string (nullable = true)
|-- BBRR1_PP_MALE_PAIDINFULL: string (nullable = true)
|-- BBRR1_PP_MALE_DISCHARGE: string (nullable = true)
|-- BBRR1_PP_NOMALE_N: string (nullable = true)
|-- BBRR1_PP_NOMALE_DFLT: string (nullable = true)
|-- BBRR1_PP_NOMALE_DLNQ: string (nullable = true)
|-- BBRR1_PP_NOMALE_FBR: string (nullable = true)
|-- BBRR1_PP_NOMALE_DFR: string (nullable = true)
|-- BBRR1_PP_NOMALE_NOPROG: string (nullable = true)
|-- BBRR1_PP_NOMALE_MAKEPROG: string (nullable = true)
|-- BBRR1_PP_NOMALE_PAIDINFULL: string (nullable = true)
|-- BBRR1_PP_NOMALE_DISCHARGE: string (nullable = true)
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|-- BBRR2_FED_IND_DFLT: string (nullable = true)
|-- BBRR2_FED_IND_DLNQ: string (nullable = true)
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|-- BBRR2_FED_IND_DFR: string (nullable = true)
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|-- BBRR2_FED_IND_MAKEPROG: string (nullable = true)
|-- BBRR2_FED_IND_PAIDINFULL: string (nullable = true)
|-- BBRR2_FED_IND_DISCHARGE: string (nullable = true)
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|-- BBRR2_FED_DEP_DFLT: string (nullable = true)
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|-- BBRR2_FED_DEP_FBR: string (nullable = true)
|-- BBRR2_FED_DEP_DFR: string (nullable = true)
|-- BBRR2_FED_DEP_NOPROG: string (nullable = true)
|-- BBRR2_FED_DEP_MAKEPROG: string (nullable = true)
|-- BBRR2_FED_DEP_PAIDINFULL: string (nullable = true)
|-- BBRR2_FED_DEP_DISCHARGE: string (nullable = true)
|-- BBRR2_FED_PELL_N: string (nullable = true)
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|-- BBRR2_FED_PELL_MAKEPROG: string (nullable = true)
|-- BBRR2_FED_PELL_PAIDINFULL: string (nullable = true)
|-- BBRR2_FED_PELL_DISCHARGE: string (nullable = true)
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|-- BBRR2_FED_MALE_DLNQ: string (nullable = true)
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|-- BBRR2_FED_MALE_DFR: string (nullable = true)
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|-- BBRR2_FED_MALE_PAIDINFULL: string (nullable = true)
|-- BBRR2_FED_MALE_DISCHARGE: string (nullable = true)
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|-- BBRR2_FED_NOMALE_DLNQ: string (nullable = true)
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|-- BBRR2_FED_NOMALE_PAIDINFULL: string (nullable = true)
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|-- BBRR2_PP_DEP_DLNQ: string (nullable = true)
|-- BBRR2_PP_DEP_FBR: string (nullable = true)
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|-- BBRR2_PP_PELL_DLNQ: string (nullable = true)
|-- BBRR2_PP_PELL_FBR: string (nullable = true)
|-- BBRR2_PP_PELL_DFR: string (nullable = true)
|-- BBRR2_PP_PELL_NOPROG: string (nullable = true)
|-- BBRR2_PP_PELL_MAKEPROG: string (nullable = true)
|-- BBRR2_PP_PELL_PAIDINFULL: string (nullable = true)
|-- BBRR2_PP_PELL_DISCHARGE: string (nullable = true)
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|-- BBRR2_PP_NOMALE_MAKEPROG: string (nullable = true)
|-- BBRR2_PP_NOMALE_PAIDINFULL: string (nullable = true)
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|-- BBRR3_FED_UG_FBR: string (nullable = true)
|-- BBRR3_FED_UG_DFR: string (nullable = true)
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|-- BBRR3_FED_UG_MAKEPROG: string (nullable = true)
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|-- BBRR3_FED_GR_N: string (nullable = true)
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|-- BBRR3_FED_GR_PAIDINFULL: string (nullable = true)
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|-- BBRR3_FED_GRNOCOMP_PAIDINFULL: string (nullable = true)
|-- BBRR3_FED_GRNOCOMP_DISCHARGE: string (nullable = true)
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|-- BBRR3_PP_UG_NOPROG: string (nullable = true)
|-- BBRR3_PP_UG_MAKEPROG: string (nullable = true)
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|-- BBRR3_PP_UGCOMP_DFR: string (nullable = true)
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|-- BBRR3_PP_UGCOMP_MAKEPROG: string (nullable = true)
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|-- BBRR3_PP_UGNOCOMP_DFR: string (nullable = true)
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|-- BBRR3_PP_UGNOCOMP_MAKEPROG: string (nullable = true)
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|-- BBRR3_PP_UGUNK_NOPROG: string (nullable = true)
|-- BBRR3_PP_UGUNK_MAKEPROG: string (nullable = true)
|-- BBRR3_PP_UGUNK_PAIDINFULL: string (nullable = true)
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|-- BBRR3_FED_IND_DFLT: string (nullable = true)
|-- BBRR3_FED_IND_DLNQ: string (nullable = true)
|-- BBRR3_FED_IND_FBR: string (nullable = true)
```

```
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|-- BBRR3_FED_IND_NOPROG: string (nullable = true)
|-- BBRR3_FED_IND_MAKEPROG: string (nullable = true)
|-- BBRR3_FED_IND_PAIDINFULL: string (nullable = true)
|-- BBRR3_FED_IND_DISCHARGE: string (nullable = true)
|-- BBRR3_FED_DEP_N: string (nullable = true)
|-- BBRR3_FED_DEP_DFLT: string (nullable = true)
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|-- BBRR3_FED_DEP_FBR: string (nullable = true)
|-- BBRR3_FED_DEP_DFR: string (nullable = true)
|-- BBRR3_FED_DEP_NOPROG: string (nullable = true)
|-- BBRR3_FED_DEP_MAKEPROG: string (nullable = true)
|-- BBRR3_FED_DEP_PAIDINFULL: string (nullable = true)
|-- BBRR3_FED_DEP_DISCHARGE: string (nullable = true)
|-- BBRR3_FED_PELL_N: string (nullable = true)
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|-- BBRR3_FED_PELL_FBR: string (nullable = true)
|-- BBRR3_FED_PELL_DFR: string (nullable = true)
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|-- BBRR3_FED_PELL_MAKEPROG: string (nullable = true)
|-- BBRR3_FED_PELL_PAIDINFULL: string (nullable = true)
|-- BBRR3_FED_PELL_DISCHARGE: string (nullable = true)
|-- BBRR3_FED_NOPELL_N: string (nullable = true)
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|-- BBRR3_FED_NOPELL_PAIDINFULL: string (nullable = true)
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|-- BBRR3_FED_MALE_FBR: string (nullable = true)
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|-- BBRR3_FED_MALE_MAKEPROG: string (nullable = true)
|-- BBRR3_FED_MALE_PAIDINFULL: string (nullable = true)
|-- BBRR3_FED_MALE_DISCHARGE: string (nullable = true)
|-- BBRR3_FED_NOMALE_N: string (nullable = true)
|-- BBRR3_FED_NOMALE_DFLT: string (nullable = true)
|-- BBRR3_FED_NOMALE_DLNQ: string (nullable = true)
|-- BBRR3_FED_NOMALE_FBR: string (nullable = true)
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|-- BBRR3_FED_NOMALE_NOPROG: string (nullable = true)
|-- BBRR3_FED_NOMALE_MAKEPROG: string (nullable = true)
```

```
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|-- BBRR3_PP_IND_DFR: string (nullable = true)
|-- BBRR3_PP_IND_NOPROG: string (nullable = true)
|-- BBRR3_PP_IND_MAKEPROG: string (nullable = true)
|-- BBRR3_PP_IND_PAIDINFULL: string (nullable = true)
|-- BBRR3_PP_IND_DISCHARGE: string (nullable = true)
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|-- BBRR3_PP_PELL_MAKEPROG: string (nullable = true)
|-- BBRR3_PP_PELL_PAIDINFULL: string (nullable = true)
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|-- BBRR3_PP_NOPELL_MAKEPROG: string (nullable = true)
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|-- BBRR3_PP_MALE_N: string (nullable = true)
|-- BBRR3_PP_MALE_DFLT: string (nullable = true)
|-- BBRR3_PP_MALE_DLNQ: string (nullable = true)
|-- BBRR3_PP_MALE_FBR: string (nullable = true)
|-- BBRR3_PP_MALE_DFR: string (nullable = true)
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|-- BBRR3_PP_MALE_MAKEPROG: string (nullable = true)
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|-- BBRR3_PP_MALE_DISCHARGE: string (nullable = true)
|-- BBRR3_PP_NOMALE_N: string (nullable = true)
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|-- BBRR4_FED_GRNOCOMP_PAIDINFULL: string (nullable = true)
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|-- BBRR4_PP_UG_DFLT: string (nullable = true)
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|-- BBRR4_FED_IND_DFR: string (nullable = true)
|-- BBRR4_FED_IND_NOPROG: string (nullable = true)
|-- BBRR4_FED_IND_MAKEPROG: string (nullable = true)
|-- BBRR4_FED_IND_PAIDINFULL: string (nullable = true)
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|-- BBRR4_FED_PELL_PAIDINFULL: string (nullable = true)
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|-- BBRR4_FED_NOPELL_DFLT: string (nullable = true)
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|-- BBRR4_FED_NOMALE_DFR: string (nullable = true)
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|-- BBRR4_FED_NOMALE_MAKEPROG: string (nullable = true)
|-- BBRR4_FED_NOMALE_PAIDINFULL: string (nullable = true)
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|-- BBRR4_PP_MALE_PAIDINFULL: string (nullable = true)
|-- BBRR4_PP_MALE_DISCHARGE: string (nullable = true)
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|-- BBRR4_PP_NOMALE_DFLT: string (nullable = true)
|-- BBRR4_PP_NOMALE_DLNQ: string (nullable = true)
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|-- ADDR: string (nullable = true)
```
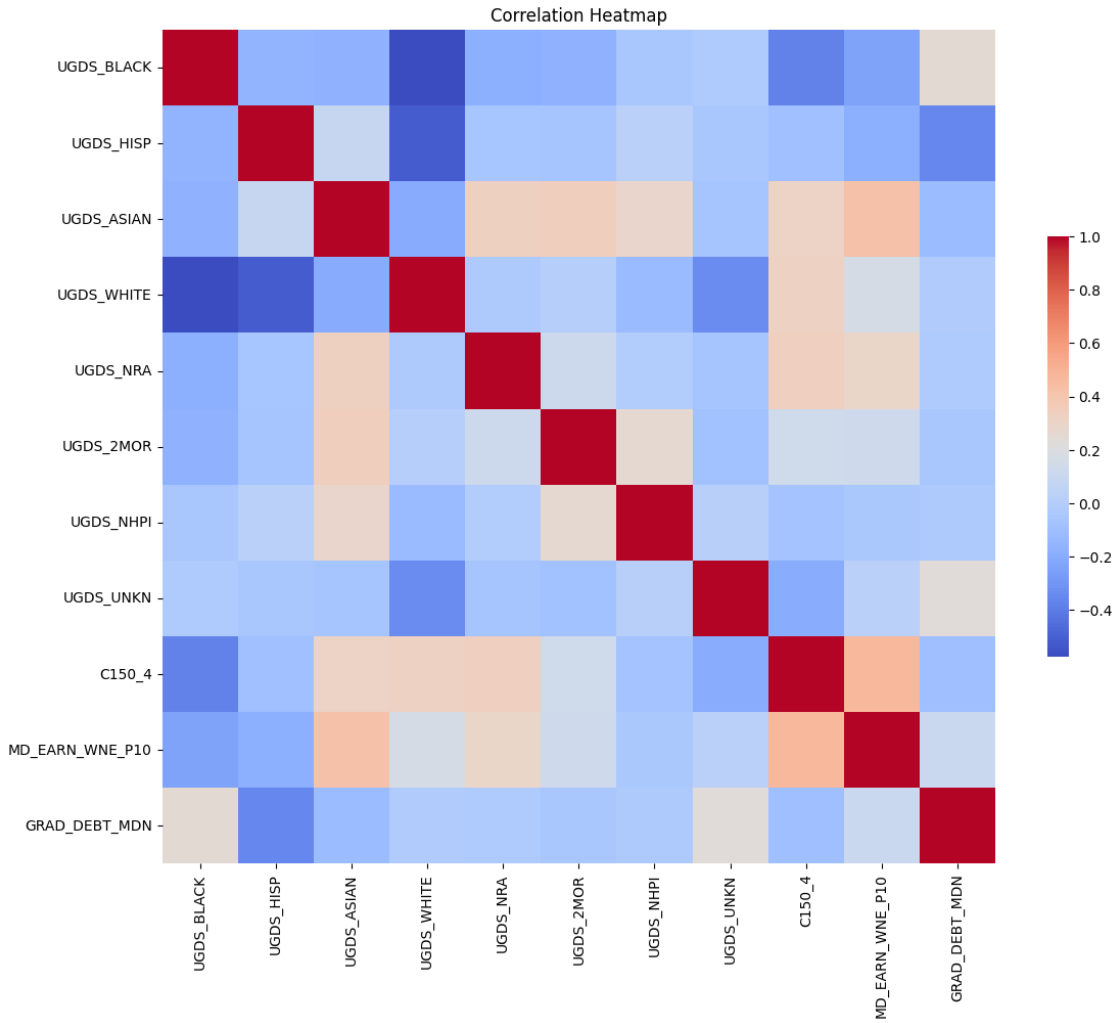

[36]:
```
import seaborn as sns
import matplotlib.pyplot as plt

# Set up the matplotlib figure
plt.figure(figsize=(12, 10))

# Draw the heatmap
sns.heatmap(correlation_matrix, fmt=".2f", cmap='coolwarm', square=True,␣
 ↪cbar_kws={"shrink": .5})

# Add title
plt.title('Correlation Heatmap')

# Adjust layout to make room for the title and axis labels
plt.tight_layout()

# Show the plot
plt.show()
```



The above heatmap did not make it into my report but may suggest that schools with a higher share of Asian, White, and non-resident alien students tend to have a higher graduation rate, that schools with a higher share of Asian and non-resident alien students tend to have graduates with higher earnings, and that schools with a higher share of Hispanic students tend to have graduates with more debt on average.

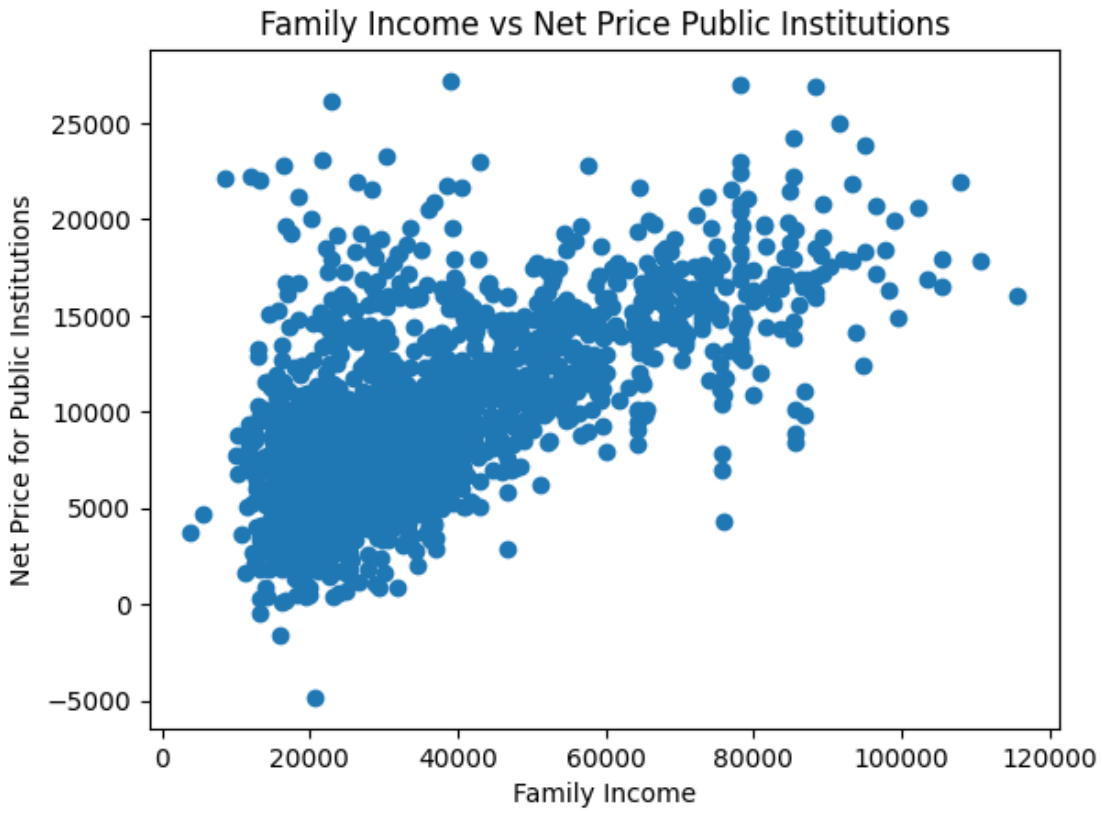
[7]:
```
from pyspark.sql.functions import avg

# Perform the aggregation in Spark
state_earnings_df = df.groupBy("STABBR").agg(
    avg("MD_EARN_WNE_P10").alias("avg_earnings")
)

# Convert the Spark DataFrame to a Pandas DataFrame
state_earnings_pd = state_earnings_df.toPandas()
```

[8]:
```
import plotly.graph_objects as go

# Ensure the average earnings are in a float format
state_earnings_pd['avg_earnings'] = state_earnings_pd['avg_earnings'].
 ↪astype(float)

fig = go.Figure(data=go.Choropleth(
    locations=state_earnings_pd['STABBR'],
    z=state_earnings_pd['avg_earnings'],
    locationmode='USA-states',
    colorscale='Blues',
    colorbar_title="USD",
))

fig.update_layout(
    title_text='Average Earnings After 10 Years by State',
    geo_scope='usa',
)

fig.show()
```

The above choropleth map also did not make it in my report, but offers insights into the states that have highest and lowest graduate earnings.

[9]:
```
from pyspark.sql.functions import col, when

# Explicitly replace 'PrivacySuppressed' with nulls
columns_to_check = ['FAMINC', 'NPT4_PUB', 'NPT4_PRIV']
```

```
for col_name in columns_to_check:
    df = df.withColumn(col_name, when(col(col_name) == 'PrivacySuppressed',␣
 ↪None).otherwise(col(col_name)))


def convert_to_float(df, cols):
    for c in cols:
        df = df.withColumn(c, col(c).cast("float"))
    return df

columns_to_convert = ['FAMINC', 'NPT4_PUB', 'NPT4_PRIV']
df = convert_to_float(df, columns_to_convert)

df_plot = df.select("FAMINC", "NPT4_PUB").toPandas()

# Drop rows where either column is None/NaN
df_plot = df_plot.dropna(subset=['FAMINC', 'NPT4_PUB'])

plt.scatter(df_plot['FAMINC'], df_plot['NPT4_PUB'])
plt.title('Family Income vs Net Price Public Institutions')
plt.xlabel('Family Income')
plt.ylabel('Net Price for Public Institutions')
plt.show()
```



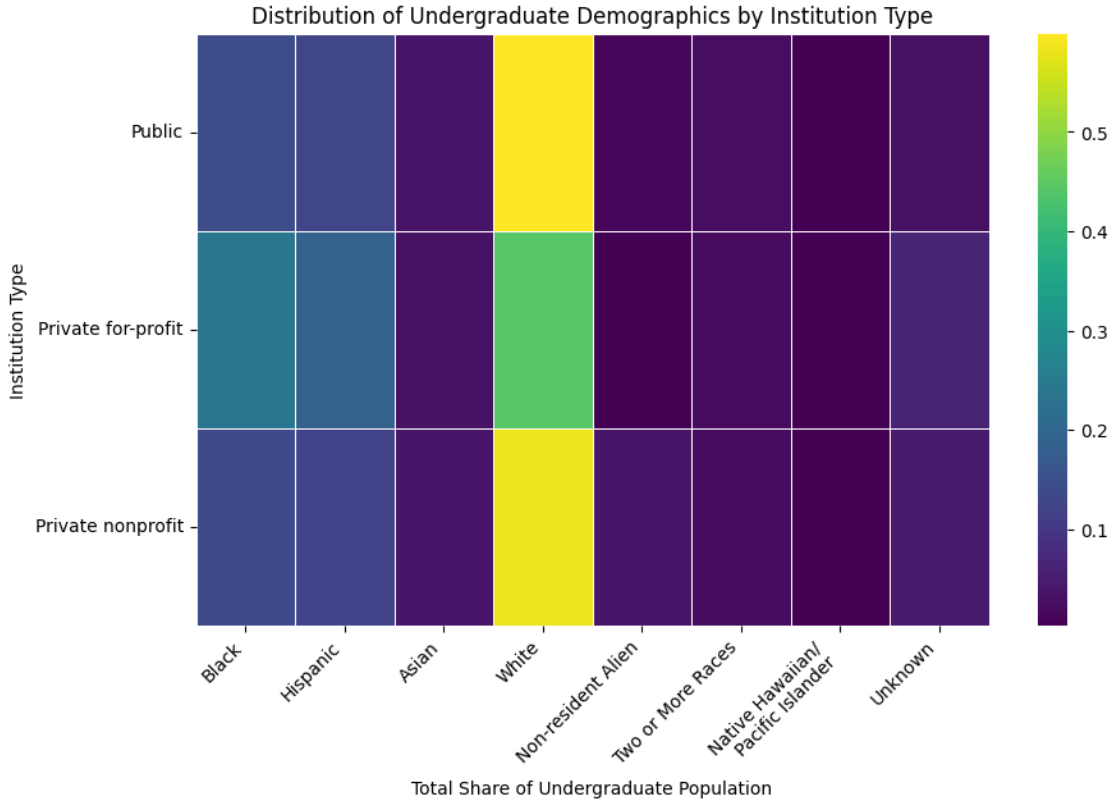
The above scatter plot did also not make it in my report, but suggests a slight positive correlation between family income and net price of public schools, as we might expect.

[13]:
```
from pyspark.sql.functions import avg, col

# Define the demographic columns
demographic_columns = [
    "UGDS_BLACK", "UGDS_HISP", "UGDS_ASIAN", "UGDS_WHITE",
    "UGDS_NRA", "UGDS_2MOR", "UGDS_NHPI", "UGDS_UNKN"
]

# Group by CONTROL and calculate the average for each demographic column
demographics_by_control = df.groupBy("CONTROL").agg(
    *(avg(c).alias(c) for c in demographic_columns)
)

# Rename demographic columns for clarity
column_names = {
    "UGDS_BLACK": "Black",
    "UGDS_HISP": "Hispanic",
    "UGDS_ASIAN": "Asian",
```

```
    "UGDS_WHITE": "White",
    "UGDS_NRA": "Non-resident Alien",
    "UGDS_2MOR": "Two or More Races",
    "UGDS_NHPI": "Native Hawaiian/\nPacific Islander",
    "UGDS_UNKN": "Unknown"
}

demographics_by_control = demographics_by_control.select(
    ["CONTROL"] + [col(c).alias(column_names[c]) for c in demographic_columns]
)

# Show the DataFrame to verify the results
demographics_by_control.show()


demographics_pd = demographics_by_control.toPandas()
demographics_pd.set_index("CONTROL", inplace=True)

import seaborn as sns
import matplotlib.pyplot as plt

plt.figure(figsize=(10, 6))
ax = sns.heatmap(demographics_pd, cmap='viridis', fmt=".2%", linewidths=.5)
plt.title('Distribution of Undergraduate Demographics by Institution Type')
plt.xlabel('Total Share of Undergraduate Population')
plt.ylabel('Institution Type')
plt.xticks(rotation=45, ha="right")
plt.yticks(rotation=0)
plt.show()
```

```
+------------------+------------------+------------------+--------------------
+-------------------+--------------------+-------------------+------------------
---------------+--------------------+
|           CONTROL|              Black|           Hispanic|
Asian|              White|  Non-resident Alien|  Two or More Races|Native
Hawaiian/\nPacific Islander|             Unknown|
+------------------+------------------+------------------+--------------------
+-------------------+--------------------+-------------------+------------------
---------------+--------------------+
|            Public|0.14158987987664984|0.12754313629013272|
0.03377505011137359|
0.5987964930234863|0.013309919854215835|0.02437029064595027|
0.00547099197090844|0.028739629316378943|
|Private for-profit| 0.2373608193650199|0.18970692431277703|0.030109261437226517
|0.44074535498769596|0.005053606469423591|0.02166690714372818|
0.004403721883258069| 0.06203560307254841|
```

```
| Private nonprofit|0.13656754007298236|0.12181899936281701|
0.03734782611321452| 0.5802005957441296|
0.03794830263025792|0.02037069687460055|               0.003467718886669029|
0.04741179281657268|
+------------------+-------------------+-------------------+--------------------
+-------------------+-------------------+-------------------+-----------------
---------------+--------------------+
```

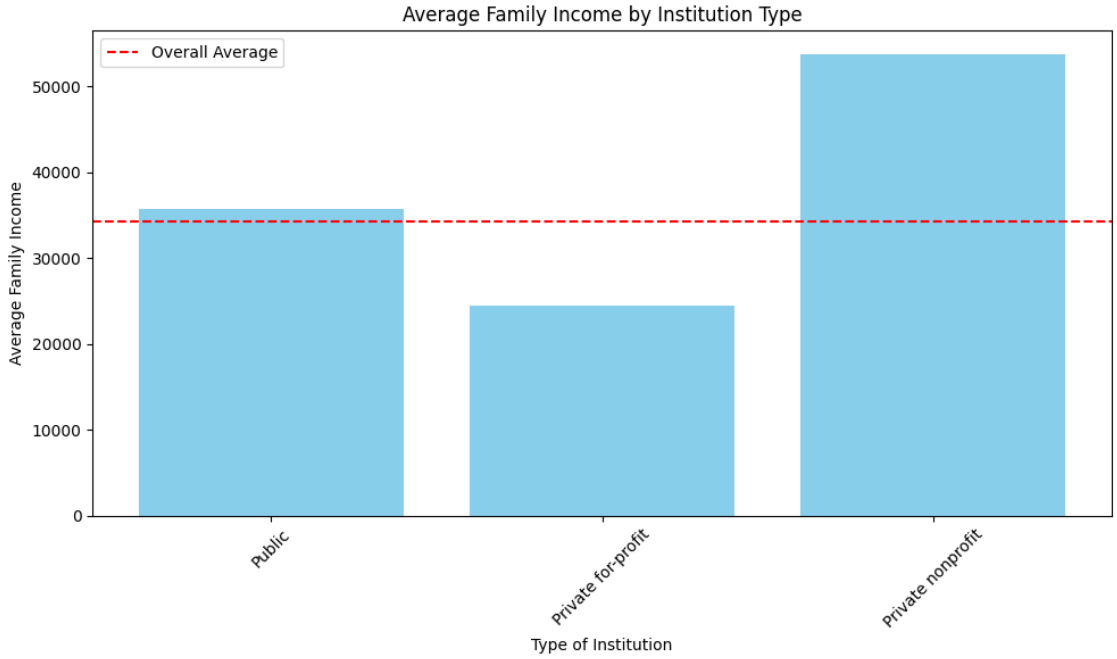


Whites are less represented in for-profit colleges compared to public and private nonprofit schools, while Blacks and Hispanics are more represented. The distributions of undergraduate demographics are approximately the same for public and private nonprofit schools.

[32]:
```
from pyspark.sql.functions import avg

# Calculate the overall average family income
overall_avg_faminc = df.agg(avg("FAMINC")).first()[0]

# Calculate the average family income for each control group
```

```
average_faminc_by_control = df.groupBy("CONTROL").agg(avg("FAMINC").
 ↪alias("Average_Family_Income"))

# Show the results
average_faminc_by_control.show()

average_faminc_by_control_pd = average_faminc_by_control.toPandas()

import matplotlib.pyplot as plt

# Create a bar chart
plt.figure(figsize=(10, 6))
plt.bar(average_faminc_by_control_pd['CONTROL'],␣
 ↪average_faminc_by_control_pd['Average_Family_Income'], color='skyblue')
plt.xlabel('Type of Institution')
plt.ylabel('Average Family Income')
plt.title('Average Family Income by Institution Type')

# Add the dashed red line for the overall average
plt.axhline(y=overall_avg_faminc, color='r', linestyle='dashed', label='Overall␣
 ↪Average')

# Add a legend to the plot to explain the red line
plt.legend()

plt.xticks(rotation=45)
plt.tight_layout()
plt.show()
```

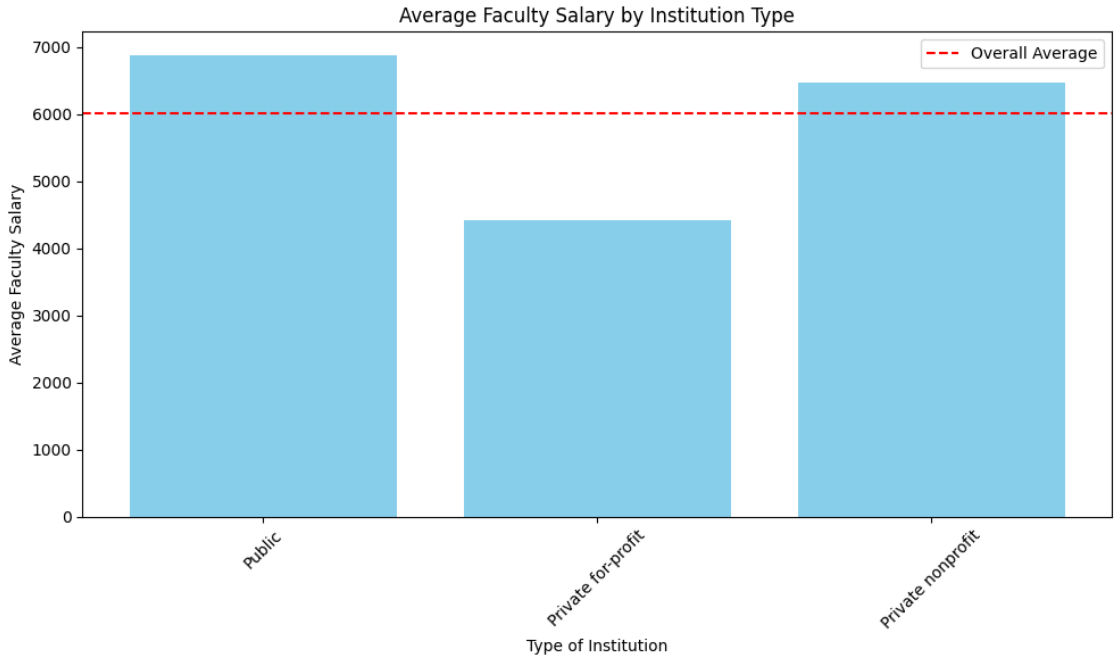
```
+------------------+---------------------+
|           CONTROL|Average_Family_Income|
+------------------+---------------------+
|            Public|    35679.63434174677|
|Private for-profit|   24453.404465568256|
| Private nonprofit|     53779.3799447251|
+------------------+---------------------+
```



[33]:
```
from pyspark.sql.functions import avg

# Calculate the overall average faculty salary
overall_avg_facsal = df.agg(avg("AVGFACSAL")).first()[0]

# Calculate the average faculty salary for each control group
average_faminc_by_control = df.groupBy("CONTROL").agg(avg("AVGFACSAL").
 ↪alias("Average_Faculty_Salary"))

# Show the results
average_faminc_by_control.show()

average_faminc_by_control_pd = average_faminc_by_control.toPandas()

import matplotlib.pyplot as plt

# Create a bar chart
plt.figure(figsize=(10, 6))
plt.bar(average_faminc_by_control_pd['CONTROL'],␣
 ↪average_faminc_by_control_pd['Average_Faculty_Salary'], color='skyblue')
plt.xlabel('Type of Institution')
plt.ylabel('Average Faculty Salary')
plt.title('Average Faculty Salary by Institution Type')

# Add the dashed red line for the overall average
```

```
plt.axhline(y=overall_avg_facsal, color='r', linestyle='dashed', label='Overall␣
 ↪Average')

# Add a legend to the plot to explain the red line
plt.legend()

plt.xticks(rotation=45)
plt.tight_layout()
plt.show()
```

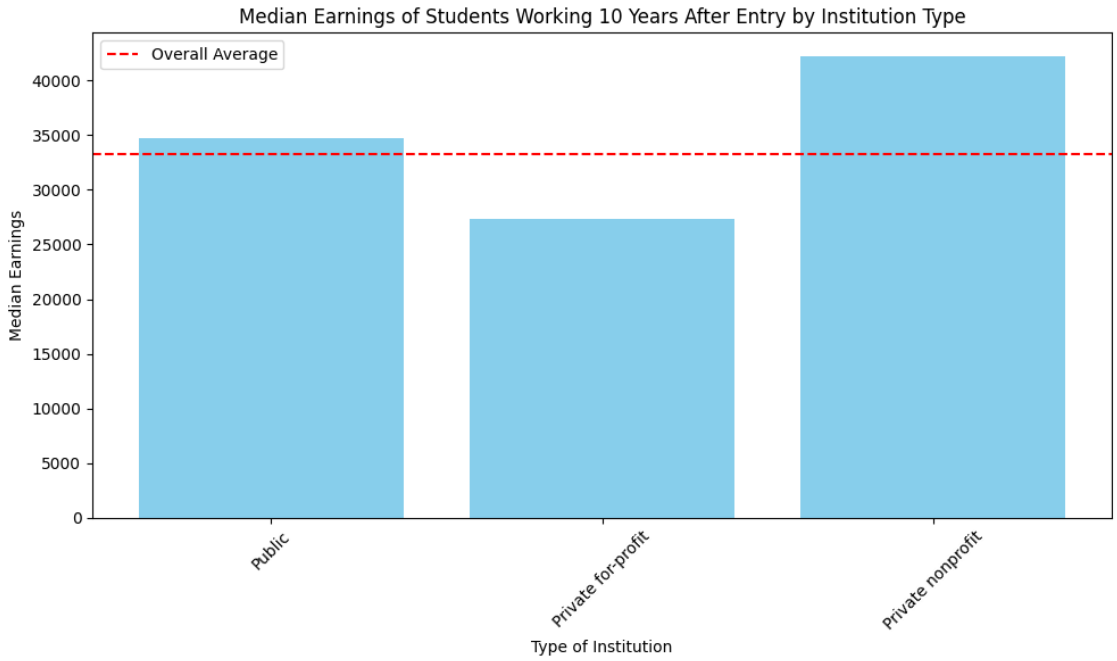
```
+------------------+----------------------+
|           CONTROL|Average_Faculty_Salary|
+------------------+----------------------+
|            Public|     6883.647630619684|
|Private for-profit|     4422.906686260103|
| Private nonprofit|     6469.311084624553|
+------------------+----------------------+
```



[34]:
```
from pyspark.sql.functions import avg

# Calculate the overall average earnings
```

```
overall_avg_earnings = df.agg(avg("MD_EARN_WNE_P10")).first()[0]

# Calculate the median earnings for each control group
average_faminc_by_control = df.groupBy("CONTROL").agg(avg("MD_EARN_WNE_P10").
 ↪alias("Median_Earnings"))

# Show the results
average_faminc_by_control.show()

average_faminc_by_control_pd = average_faminc_by_control.toPandas()

import matplotlib.pyplot as plt

# Create a bar chart
plt.figure(figsize=(10, 6))
plt.bar(average_faminc_by_control_pd['CONTROL'],␣
 ↪average_faminc_by_control_pd['Median_Earnings'], color='skyblue')
plt.xlabel('Type of Institution')
plt.ylabel('Median Earnings')
plt.title('Median Earnings of Students Working 10 Years After Entry by␣
 ↪Institution Type')

# Add the dashed red line for the overall average
plt.axhline(y=overall_avg_earnings, color='r', linestyle='dashed',␣
 ↪label='Overall Average')

# Add a legend to the plot to explain the red line
plt.legend()

plt.xticks(rotation=45)
plt.tight_layout()
plt.show()
```

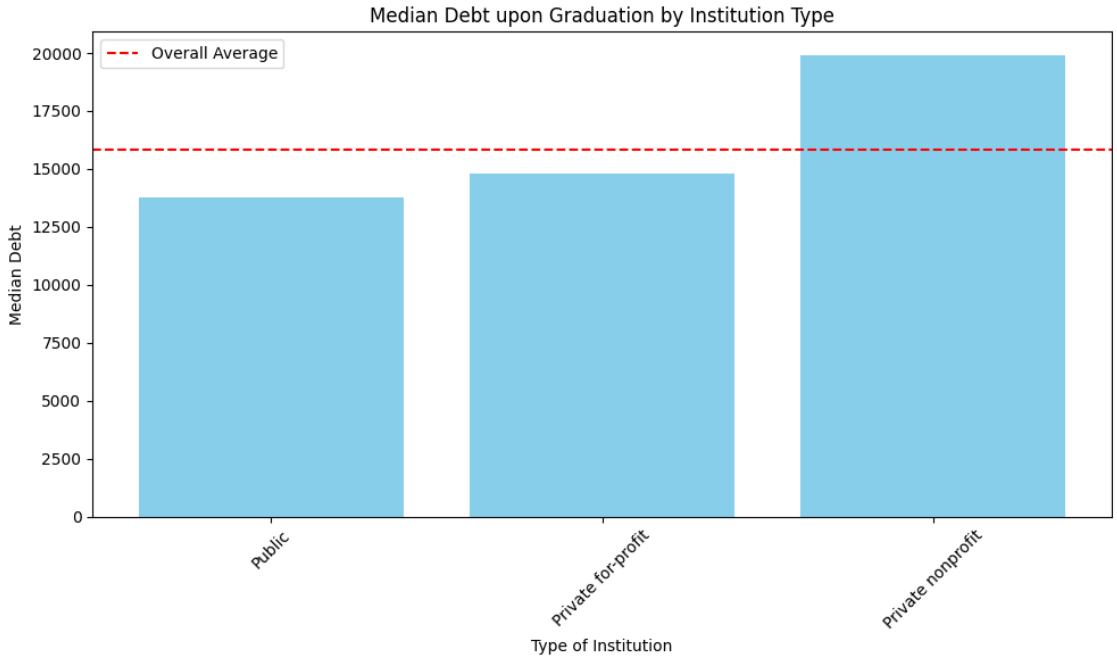
```
+------------------+-----------------+
|           CONTROL|  Median_Earnings|
+------------------+-----------------+
|            Public|34718.28691539674|
|Private for-profit|27343.72042227885|
| Private nonprofit|42267.44031830239|
+------------------+-----------------+
```



[35]:
```
from pyspark.sql.functions import avg

# Calculate the overall average student debt
overall_avg_debt = df.agg(avg("GRAD_DEBT_MDN")).first()[0]

# Calculate the median student debt for each control group
average_faminc_by_control = df.groupBy("CONTROL").agg(avg("GRAD_DEBT_MDN").
 ↪alias("Median_Debt"))

# Show the results
average_faminc_by_control.show()

average_faminc_by_control_pd = average_faminc_by_control.toPandas()

import matplotlib.pyplot as plt

# Create a bar chart
plt.figure(figsize=(10, 6))
plt.bar(average_faminc_by_control_pd['CONTROL'],␣
 ↪average_faminc_by_control_pd['Median_Debt'], color='skyblue')
plt.xlabel('Type of Institution')
plt.ylabel('Median Debt')
plt.title('Median Debt upon Graduation by Institution Type')

# Add the dashed red line for the overall average
```

```
plt.axhline(y=overall_avg_debt, color='r', linestyle='dashed', label='Overall␣
 ↪Average')

# Add a legend to the plot to explain the red line
plt.legend()

plt.xticks(rotation=45)
plt.tight_layout()
plt.show()
```

```
+------------------+------------------+
|           CONTROL|       Median_Debt|
+------------------+------------------+
|            Public|13749.603216514643|
|Private for-profit|14814.078480677606|
| Private nonprofit|19921.363545816734|
+------------------+------------------+
```



Private nonprofit schools have the average highest family income, highest median earnings for graduates, and highest median debt upon graduation. For-profit schools have the lowest average family income, lowest median earnings for graduates, lowest average faculty salary, yet the second highest median debt upon graduation.

[19]:
```
from pyspark.sql.functions import col, avg

# Calculate the ratio of NPT4_PRIV to NPT4_PUB for each state
ratios_by_state = df.groupBy("STABBR").agg(
    (avg("NPT4_PRIV") / avg("NPT4_PUB")).alias("NPT4_Ratio")
)

# Show the results
ratios_by_state.show()

# Convert to Pandas DataFrame
ratios_by_state_pd = ratios_by_state.toPandas()

import plotly.graph_objects as go

# Create a choropleth map with the ratios
fig = go.Figure(data=go.Choropleth(
    locations=ratios_by_state_pd['STABBR'],
    z=ratios_by_state_pd['NPT4_Ratio'],
    locationmode='USA-states',
    colorscale='Reds',
    colorbar_title="Ratio",
))

fig.update_layout(
    title_text='Ratio of Average Net Price Private to Public Institutions by␣
 ↪State',
    geo_scope='usa',
)

# Display the figure
fig.show()
```

```
+------+------------------+
|STABBR|        NPT4_Ratio|
+------+------------------+
|    AZ|2.1293784729436345|
|    CA| 2.503953166604539|
|    IL|  2.27737828095038|
|    WA|2.4058252901231167|
|    AL|1.8863715581594287|
|    NM|2.5164749919765956|
|    AK|1.6654867069614099|
|    AR|1.8059910098982699|
|    MN|1.5011580150821615|
|    DC|1.4720483077719537|
```

```
|    VA| 1.967341808917053|
|    CT| 2.184583948565778|
|    DE| 2.142696006648989|
|    NY| 1.688157682491433|
|    CO|1.5045014259127176|
|    FL|2.1688083570679324|
|    ID| 1.493869945700607|
|    IN|1.4262635645928006|
|    GA| 2.187115375347563|
|    HI|2.5718899023919035|
+------+------------------+
only showing top 20 rows
```

[23]:
```
# Sort and take the top five ratios
top_five_ratios = ratios_by_state.orderBy(col("NPT4_Ratio").desc()).limit(5).
  ↪toPandas()

top_five_ratios
```

[23]:

	STABBR	NPT4_Ratio
0	WY	2.883729
1	HI	2.571890
2	NM	2.516475
3	CA	2.503953
4	WA	2.405825

Private schools are most expensive compared to public schools in the following states: WY (2.88), HI (2.57), NM (2.52), CA (2.50), and WA (2.41).

Conclusions: - My findings suggest Black and Hispanic students are overrepresented in for-profit colleges. Further analysis should be completed to examine the underlying causes of this, that might include an analysis of socio-economic barriers to accessing higher education, geographic availability of institutions, and targeted recruitment practices of for-profit schools. - Along with having a higher representation of these two minority groups in for-profit schools, these institutions tend to skew toward families with lower income and pay their faculty the least compared to other schools. Graduates of these schools comparatively earn the least on average and they have higher levels of debt compared to public schools. This raises questions about the quality of education provided at for-profit schools and suggests that these institutions might not be providing the same return on investment as other schools. - Where private schools are least economically accessible compared to public schools are in Wyoming, Hawaii, New Mexico, California, and Washington, suggesting that in these states families with a lower income may opt for public schools. The relative economic inaccessibility of private schools in certain states suggest that public institutions play a critical role in providing higher education to lower-income families.