

The Survey of Family Income and Expenditure, 2007

Code Book

variable name	card/ column	variable label	value label	note
cd	1/79-80	Total card number		
Part: Household's main card				
x1	1/01-08	Case number		string
id	1/04-08	Serial no. of households		string
a1	1/09	Farm/non-farm household	1.farm household 2.non-farm household	
a4	1/12-13	Employment classification by industry of household head	00.non-working 01.agriculture and animal husbandry 02.forestry 03.fishing 05.mining & quarrying 08.manufacturing 35.electricity,gas & water 36.water supply and remediation services 41.construction 45.wholesale and retail trade 49.transportation and storage 55.accommodation and food services 58.information and communication 64.finance and insurance 67.real estate 69.professional,scientific and technical services 77.support services 83.public administration and defence compulsory social security 84.cultural,sporting and	

variable name	card/ column	variable label	value label	note
			recreational services 85.educational services 86.health care and social welfare services 90.arts, entertainment and recreation 94.other services 98.public administration	
a5	1/14-15	Employment classification by occupation of household head	00.unemployed 01.legislators, government administrators, business executives & managers 02.professionals 03.technicians & associate professionals 04.clerks 05.service workers & sales workers 07.production workers 08.machine operators & related workers 09.laborers 10.soldiers 61.agricultural & animal husbandry workers 62.forestry workers 63.fishing workers	
a6	1/22-24	Age of household head		
a7	1/25	Sex of household head	1.male 2.female	
a8	1/26-27	Number of household persons		
a9	1/28-29	Number of persons employed		
a11	1/40-41	Education attainment of household head	01.illiteracy 02.self-educated 03.primary school	

variable name	card/ column	variable label	value label	note
			04.junior high school 05.senior high school 06.vocational school 07.junior college 08.university or college 09.master's degree 10.doctor of philosophy	
a12	1/42-43	Number of adults		
a13	1/44-45	Number of income recipients		
a14	1/54	Employment classification by sector of activity	0.n/a 1.public enterprises 2.general governments 3.others	
a15	1/55-56	Social-economic status	0.n/a 01.agricultural employers 02.agricultural own-account workers 03.non-agricultural employers 04.non-agricultural own-account workers 05.agricultural employees 06.non-agricultural administrative & professional employees 07.clerks, salespersons & service persons 08.industrial laborers 09.soldiers 10.others	
a16	1/57	Employment classification by employment status of household head	1.employers 2.employees 3.own-account workers 4.unpaid family workers 5.unemployed 7.students 8.house wives	

variable name	card/ column	variable label	value label	note
			9.others	
a17	1/58	With /without employment of household head	1.employed 2.unemployed	
a18	1/59-61	Type of family	101.one person:the household head is male 102.one person:the household head is female 201.married couple:the household head is male 202.married couple:the household head is female 321.single parent: the household head is male of the parent(s) (2nd-generation) 322.single parent: the household head is female of the parent(s) (2nd-generation) 331.single parent: the household head is male of the grandchild (3rd-generation) 332.single parent: the household head is female of the grandchild (3rd-generation) 421.nuclear family: the household head is male of the parent(s) (2nd-generation) 422.nuclear family: the household head is female of the parent(s) (2nd-generation) 431.nuclear family: the household head is male of the grandchild (3rd-generation) 432.nuclear family: the	

variable name	card/ column	variable label	value label	note
			<p>household head is female of the grandchild (3rd-generation)</p> <p>511.ancestors and descendants: the household head is male of the grandparent(s) (1st-generation)</p> <p>512.ancestors and descendants: the household head is female of the grandparent(s) (1st-generation)</p> <p>531.ancestors and descendants: the household head is male of the grandchild (3rd-generation)</p> <p>532.ancestors and descendants: the household head is female of the grandchild (3rd-generation)</p> <p>611.extended family: the household head is male of the grandparent(s) (1st-generation)</p> <p>612.extended family: the household head is female of the grandparent(s) (1st-generation)</p> <p>621.extended family: the household head is male of the parent(s) (2nd-generation)</p> <p>622.extended family: the household head is female of the parent(s) (2nd-generation)</p> <p>631.extended family: the</p>	

variable name	card/ column	variable label	value label	note
			household head is male of the grandchild (3rd-generation) 632.extended family: the household head is female of the grandchild (3rd-generation) 701.others:the household head is male 702.others:the household head is female	
a19	1/62-63	Number of persons above 65 years old		
a20	1/65-78	Weight		5 column for integer,1 for dot and 8 for decimal fraction
Part: Character of household members (#:1-19, xx:Card number:02-20)				
b1_#	xx/09-10	Member code		
b2_#	xx/11-12	Relation to the household head	00.n/a 01.economic household head 02.spouse 03.child 04.grandchild 05.parents 06.grandparents 07.brother or sister 08.children in law 09.grandchild in law 10.brother or sister in law 11.parents in law 12.brother or siter of spouse 13.other relative 14.others	
b3_#	xx/13	Sex	0.n/a	

variable name	card/ column	variable label	value label	note
			1.male 2.female	
b4_#	xx/14-16	Age		
b5_#	xx/17-18	Education attainment	01.illiteracy 02.self-educated 03.primary school 04.junior high school 05.senior high school 06.vocational school 07.junior college 08.university or college 09.master's degree 10.doctor of philosophy	
b6_#	xx/19	Graduate status	0.n/a 1.graduate 2.dropout 3.unschooled	
b7_#	xx/20	Full time—public sector or not	0.n/a 1.public enterprises 2.general governments 3.others	
b8_#	xx/21-22	Full time by industry	00.non-working 01.agriculture and animal husbandry 02.forestry 03.fishing 05.mining & quarrying 08.manufacturing 35.electricity,gas & water 36.water supply and remediation services 41.construction 45.wholesale and retail trade 49.transportation and storage 55.accommodation and food services	

variable name	card/ column	variable label	value label	note
			58.information and communication 64.finance and insurance 67.real estate 69.professional,scientific and technical services 77.support services 83.public administration and defence compulsory social security 85.educational services 86.health care and social welfare services 90.arts, entertainment and recreation 94.other services	
b9_#	xx/23-24	Full time by occupation	00.unemployed 01.legislators, government administrators, business executives & managers 02.professionals 03.technicians & associate professionals 04.clerks 05.service workers & sales workers 07.production workers 08.machine operators & related workers 09.laborers 10.soldiers 61.agricultural & animal husbandry workers 62.forestry workers 63.fishing workers	
b10_#	xx/25	Part time	0.n/a	

variable name	card/ column	variable label	value label	note
			1.yes 2.no	
b11_#	xx/26-27	Socio-economic status	00.n/a 01.agricultural employers 02.agricultural own-account workers 03.non-agricultural employers 04.non-agricultural own-account workers 05.agricultural employees 06.employees of non-agricultural managers, administrators & professionals 07.clerks salesmen & service workers 08.industrial labourers 09.servicemen 10.others	
b12_#	xx/28	Employment status	0.n/a 1.employer 2.employee 3.own-account worker 4.unpaid family worker 5.jobless 7.student 8.house wife 9.others	
b13_#	xx/29	Employment or not	0.n/a 1.working 2.non-working	
b14_#	xx/30	Income recipient	0.n/a 1.yes 2.no	
b15_#	xx/31-32	Employment classification by working place	00.n/a 02.Yilan County 03.Taoyuan County	

variable name	card/ column	variable label	value label	note
			04.Hsinchu County 05.Miaoli County 07.Changhua County 08.Nantou County 09.Yunlin County 10.Chiayi County 13.Pingtung County 14.Taitung County 15.Hualien County 16.Penghu County 17.Keelung City 18.Hsinchu City 20.Chiayi City 59.Lienchiang County 60.Kinmen County 61.Outland 63.Taipei City 12.Kaohsiung County 64.Kaohsiung City 01.Taipei County 06.Taichung County 19.Taichung City 11.Tainan County 21.Tainan City 98.Veteran 99.Retirement from civil service	
b16_#	xx/33-34	Married status	01.spouse code (member code)01 02.spouse code (member code)02 03.spouse code (member code)03 04.spouse code (member code)04 05.spouse code (member code)05	

variable name	card/ column	variable label	value label	note
			06.spouse code (member code)06	
			07.spouse code (member code)07	
			08.spouse code (member code)08	
			09.spouse code (member code)09	
			10.spouse code (member code)10	
			11.spouse code (member code)11	
			12.spouse code (member code)12	
			13.spouse code (member code)13	
			31.spouse code (member code)31	
			32.spouse code (member code)32	
			33.spouse code (member code)33	
			34.spouse code (member code)34	
			35.spouse code (member code)35	
			51.spouse code (member code)51	
			52.spouse code (member code)52	
			91.single	
			92.spouse living outside	
			93.cohabited	
			94.divorced	
			95.separated	
			96.widowed	

variable name	card/ column	variable label	value label	note
b18_#	xx/54-55	Full time: Industry(old code)	00.non-working 01.agriculture and animal husbandry 02.forestry 03.fishing 04.mining & quarrying 08.manufacturing 33.electricity, gas and water 38.construction 44.wholesale and retail trade 50.accommodation and food services 53.transportation, storage and communications 62.finance and insurance 66.real estate and rental and leasing 69.professional,scientific and technical services 79.educational services 81.health care and social welfare services 84.cultural,sporting and recreational services 92.other services 98.public administration	
National Health Insurance				
b19_#	xx/41-42	Insured person's category of national health insurance	00.none 01.civil servants or government employees and dependents, employees and teachers in public school and dependents 02.teachers and staff in private schoolsand dependents 03.employees of public or	

variable name	card/ column	variable label	value label	note
			private enterprises and dependents 04.members of professional associations without specific employers and dependents 05.self-employed persons: employers and dependents 06.farmers and fishermen and dependents 07.veterans and dependents 08.community populations under the aegis of local governments 09.low-income households and dependents 10.others 11.soldiers and dependents	
b20_#	xx/43-44	The payer of national health insurance premium	00.government 01.member code 01 02.member code 02 03.member code 03 04.member code 04 05.member code 05 06.member code 06 07.member code 07 08.member code 08 09.member code 09 10.member code 10 11.member code 11 12.member code 12 13.member code 13 14.member code 14 15.member code 15 31.member code 31 32.member code 32 33.member code 33	

variable name	card/ column	variable label	value label	note
			34.member code 34 35.member code 35 36.member code 36 37.member code 37 38.member code 38 39.member code 39 40.member code 40 51.member code 51 52.member code 52 53.member code 53 54.member code 54 99.others	
b21_#	xx/45-46	National health insurance by number of dependents		
Social Insurance				
b22_#	xx/56-57	Insured person's status of social insurance (1)	00.none 01.civil servants or government employees and dependents, employees and teachers in public school and dependents 02.teachers and staff in private schoolsand dependents 03.employees of public or private enterprises and dependents 04.members of professional associations without specific employers and dependents 05.self-employed persons: employers and dependents 06.farmers and fishermen and dependents 07.veterans and dependents 09.low-income households and dependents	

variable name	card/ column	variable label	value label	note
			10.others 11.soldiers and dependents	
b23_#	xx/58-59	Insured months of social insurance (1)		
b24_#	xx/60-61	Insured person's status of social insurance (2)	00.none 03.farmer's insurance 04.fishman's insurance 05.soldier's insurance 08.national pension program 11.civil servants or government employees' insurance 12.teachers and staff in private schools 13.retirement from civil service 21.labor insurance for employees 22.labor insurance for employers 23.labor insurance for members of professional associations without specific employers	
b25_#	xx/62-63	Insured months of social insurance (2)		
Part: Household equipment				
f1	21/09-10	Color TV		
f51	21/11-12	DVD player		
f29	21/13-14	Movies camera		
f10	21/15-16	Stereo		
f32	21/17-18	Piano		
f55	21/19-20	Digital camera		
f43	21/21-22	Video game		
f44	21/23-24	Cable TV		
f38	21/25-26	Personal computer		
f4	21/27-28	Telephone		
f52	21/29-30	Cell phone		
f34	21/35-36	Sedan vehicle		
f23	21/37-38	Motorcycle		

variable name	card/ column	variable label	value label	note
f48	21/39-40	Electro-magnetic oven		
f6	21/41-42	Air conditioner		
f41	21/43-44	Dehumidifier		
f12	21/45-46	Washing machine		
f42	21/47-48	Drier		
f53	21/49-50	Air-clean machine		
f54	21/51-52	Water filter machine		
f18	21/53-54	Vacuum cleaner		
f33	21/55-56	Geysers		
f50	21/57-58	Hot-warm water fountain		
f39	21/59-60	Microwave oven		
f27	21/61-62	Newspaper		
f28	21/63-64	Magazine		
f56	21/65-67	Total Amount		
f57	21/68	Internet facility: with usage	0.no	
f58	21/69	Internet facility:none	1.yes	
Part: Housing				
c1	22/09	Tenure of dwelling: self-owned	0.no 1.yes	
c2	22/10	Tenure of dwelling: not residing with relatives (spouses, parents or children)		
c3	22/11	Tenure of dwelling:rented		
c4	22/12	Tenure of dwelling:allotted		
c5	22/13	Tenure of dwelling:borrowed and others	0.no 1.yes	
c6	22/14	Usage of dwelling:independent		
c7	22/19	Usage of dwelling:connected	0.no	
c8	22/20	Style of building:one story	1.yes	
c9	22/21	Style of building:two or three stories		
c10	22/22	Style of building:four or five stories		

variable name	card/ column	variable label	value label	note
c11	22/23	Style of building:six stories or over	0.no 1.yes	
c12	22/24	Piped water equipment:possessed of		
c15	22/31	Parking lot: Self-owned		
c16	22/32	Parking lot: Rented		
c17	22/33	Parking lot: None		
c18	22/36-38	Room and area: Housing land area (pins)		
c19	22/39-41	Room and area: Total room area (pins)		
c20	22/42	Interview Status	1.original sampled registered household 2.excluded objects 3.the sample registered household changing register to other address. 4.the sample registered household not living at the registered address. 5.nobody at home 6.refused 7.address not existed 8.other	
c21	22/43-44	If the main income of this household is the transferred one, fill in the county/city code of the income sources.	00.n/a 02.Yilan County 03.Taoyuan County 04.Hsinchu County 05.Miaoli County 07.Changhua County 08.Nantou County 09.Yunlin County 10.Chiayi County 13.Pingtung County 14.Taitung County 15.Hualien County	

variable name	card/ column	variable label	value label	note
			16.Penghu County 17.Keelung City 18.Hsinchu City 20.Chiayi City 59.Lienchiang County 60.Kinmen County 61.Outland 63.Taipei City 12.Kaohsiung County 64.Kaohsiung City 01.Taipei County 06.Taichung County 19.Taichung City 11.Tainan County 21.Tainan City 98.Veteran 99.Retirement from civil service	
c22	22/45-46	Number of member in household		
Part: Income and Outlay				
# indicates which card number, total card numbers are 23-99, columns are 23/09-22 ~ 99/65-78.				
Regarding the compressed format of each item showed on card number 23-99, please refer to Appendix 2.				
itm xxx	#/09-22	Amount of amount code xxx	Amount code refer to appendix 1	
itm xxx	#/23-36	Amount of amount code xxx		
itm xxx	#/37-50	Amount of amount code xxx		
itmxxx	#/51-64	Amount of amount code xxx		
itmxxx	#/65-78	Amount of amount code xxx		
year	---	Survey year		created variables

Appendix 1: Amount Code

80: Lump-sum retirement pay - sub-total amount	117: Overtime pay - household head 7
81: Lump-sum retirement pay - household head 1	118: Overtime pay - household head 8
82: Lump-sum retirement pay - household head 2	119: Overtime pay - household income can not be taken apart to former income recipient
83: Lump-sum retirement pay - household head 3	120: Awards - sub-total amount
84: Lump-sum retirement pay - household head 4	121: Awards - household head 1
85: Lump-sum retirement pay - household head 5	122: Awards - household head 2
86: Lump-sum retirement pay - household head 6	123: Awards - household head 3
87: Lump-sum retirement pay - household head 7	124: Awards - household head 4
88: Lump-sum retirement pay - household head 8	125: Awards - household head 5
89: Lump-sum retirement pay - household income can not be taken apart to former income recipient	126: Awards - household head 6
90: Monthly retirement pay - sub-total amount	127: Awards - household head 7
91: Monthly retirement pay - household head 1	128: Awards - household head 8
92: Monthly retirement pay - household head 2	129: Awards - household income can not be taken apart to former income recipient
93: Monthly retirement pay - household head 3	130: Insurance of GEI, LI, & SI by employers - sub-total amount
94: Monthly retirement pay - household head 4	131: Insurance of GEI, LI, & SI by employers - household head 1
95: Monthly retirement pay - household head 5	132: Insurance of GEI, LI, & SI by employers - household head 2
96: Monthly retirement pay - household head 6	133: Insurance of GEI, LI, & SI by employers - household head 3
97: Monthly retirement pay - household head 7	134: Insurance of GEI, LI, & SI by employers - household head 4
98: Monthly retirement pay - household head 8	135: Insurance of GEI, LI, & SI by employers - household head 5
99: Monthly retirement pay - household income can not be taken apart to former income recipient	136: Insurance of GEI, LI, & SI by employers - household head 6
101: Code of member in household - household head 1	137: Insurance of GEI, LI, & SI by employers - household head 7
102: Code of member in household - household head 2	138: Insurance of GEI, LI, & SI by employers - household head 8
103: Code of member in household - household head 3	139: Insurance of GEI, LI, & SI by employers - household income can not be taken apart to former income recipient
104: Code of member in household - household head 4	140: Fringe & death benefits - sub-total amount
105: Code of member in household - household head 5	
106: Code of member in household - household head 6	
107: Code of member in household - household head 7	
108: Code of member in household - household head 8	
110: Overtime pay - sub-total amount	
111: Overtime pay - household head 1	
112: Overtime pay - household head 2	
113: Overtime pay - household head 3	
114: Overtime pay - household head 4	
115: Overtime pay - household head 5	
116: Overtime pay - household head 6	

141: Fringe & death benefits - household head 1

142: Fringe & death benefits - household head 2

143: Fringe & death benefits - household head 3

144: Fringe & death benefits - household head 4

145: Fringe & death benefits - household head 5

146: Fringe & death benefits - household head 6

147: Fringe & death benefits - household head 7

148: Fringe & death benefits - household head 8

149: Fringe & death benefits - household income can not be taken apart to former income recipient

150: Retirement pay - sub-total amount

151: Retirement pay - household head 1

152: Retirement pay - household head 2

153: Retirement pay - household head 3

154: Retirement pay - household head 4

155: Retirement pay - household head 5

156: Retirement pay - household head 6

157: Retirement pay - household head 7

158: Retirement pay - household head 8

159: Retirement pay - household income can not be taken apart to former income recipient

160: Other part time payroll - sub-total amount

161: Other part time payroll - household head 1

162: Other part time payroll - household head 2

163: Other part time payroll - household head 3

164: Other part time payroll - household head 4

165: Other part time payroll - household head 5

166: Other part time payroll - household head 6

167: Other part time payroll - household head 7

168: Other part time payroll - household head 8

169: Other part time payroll - household income can not be taken apart to former income recipient

170: Charities - sub-total amount

171: Charities - household head 1

172: Charities - household head 2

173: Charities - household head 3

174: Charities - household head 4

175: Charities - household head 5

176: Charities - household head 6

177: Charities - household head 7

178: Charities - household head 8

179: Charities - household income can not be taken apart to former income recipient

180: Other current transfer expenditures of private - sub-total amount

181: Other current transfer expenditures of private - household head 1

182: Other current transfer expenditures of private - household head 2

183: Other current transfer expenditures of private - household head 3

184: Other current transfer expenditures of private - household head 4

185: Other current transfer expenditures of private - household head 5

186: Other current transfer expenditures of private - household head 6

187: Other current transfer expenditures of private - household head 7

188: Other current transfer expenditures of private - household head 8

189: Other current transfer expenditures of private - household income can not be taken apart to former income recipient

190: Compensation of employee - sub-total amount

191: Compensation of employee - household head 1

192: Compensation of employee - household head 2

193: Compensation of employee - household head 3

194: Compensation of employee - household head 4

195: Compensation of employee - household head 5

196: Compensation of employee - household head 6

197: Compensation of employee - household head 7

198: Compensation of employee - household head 8

199: Compensation of employee - household income can not be taken apart to former income recipient

200: Insurance of GEI, LI, & FHI & NAI by government - sub-total amount

201: Insurance of GEI, LI, & FHI & NAI by

government - household head 1	225: Part time and spare time payroll - household head
202: Insurance of GEI, LI, & FHI & NAI by	5
government - household head 2	226: Part time and spare time payroll - household head
203: Insurance of GEI, LI, & FHI & NAI by	6
government - household head 3	227: Part time and spare time payroll - household head
204: Insurance of GEI, LI, & FHI & NAI by	7
government - household head 4	228: Part time and spare time payroll - household head
205: Insurance of GEI, LI, & FHI & NAI by	8
government - household head 5	229: Part time and spare time payroll - household
206: Insurance of GEI, LI, & FHI & NAI by	income can not be taken apart to former income
government - household head 6	recipient
207: Insurance of GEI, LI, & FHI & NAI by	230: Other receipts or subsidies - sub-total amount
government - household head 7	231: Other receipts or subsidies - household head 1
208: Insurance of GEI, LI, & FHI & NAI by	232: Other receipts or subsidies - household head 2
government - household head 8	233: Other receipts or subsidies - household head 3
209: Insurance of GEI, LI, & FHI & NAI by	234: Other receipts or subsidies - household head 4
government - household income can not be taken	235: Other receipts or subsidies - household head 5
apart to former income recipient	236: Other receipts or subsidies - household head 6
210: Full time payroll - sub-total amount	237: Other receipts or subsidies - household head 7
211: Full time payroll - household head 1	238: Other receipts or subsidies - household head 8
212: Full time payroll - household head 2	239: Other receipts or subsidies - household income can
213: Full time payroll - household head 3	not be taken apart to former income recipient
214: Full time payroll - household head 4	240: Entrepreneurial income - sub-total amount
215: Full time payroll - household head 5	241: Entrepreneurial income - household head 1
216: Full time payroll - household head 6	242: Entrepreneurial income - household head 2
217: Full time payroll - household head 7	243: Entrepreneurial income - household head 3
218: Full time payroll - household head 8	244: Entrepreneurial income - household head 4
219: Full time payroll - household income can not be	245: Entrepreneurial income - household head 5
taken apart to former income recipient	246: Entrepreneurial income - household head 6
220: Part time and spare time payroll - sub-total	247: Entrepreneurial income - household head 7
amount	248: Entrepreneurial income - household head 8
221: Part time and spare time payroll - household head	249: Entrepreneurial income - household income can
1	not be taken apart to former income recipient
222: Part time and spare time payroll - household head	250: Net agricultural & livestock ,forest and fishing
2	income - sub-total amount
223: Part time and spare time payroll - household head	251: Net agricultural & livestock ,forest and fishing
3	income - household head 1
224: Part time and spare time payroll - household head	252: Net agricultural & livestock ,forest and fishing
4	income - household head 2

253: Net agricultural & livestock ,forest and fishing income - household head 3

254: Net agricultural & livestock ,forest and fishing income - household head 4

255: Net agricultural & livestock ,forest and fishing income - household head 5

256: Net agricultural & livestock ,forest and fishing income - household head 6

257: Net agricultural & livestock ,forest and fishing income - household head 7

258: Net agricultural & livestock ,forest and fishing income - household head 8

259: Net agricultural & livestock ,forest and fishing income - household income can not be taken apart to former income recipient

260: Agricultural & livestock income - sub-total amount

261: Agricultural & livestock income - household head 1

262: Agricultural & livestock income - household head 2

263: Agricultural & livestock income - household head 3

264: Agricultural & livestock income - household head 4

265: Agricultural & livestock income - household head 5

266: Agricultural & livestock income - household head 6

267: Agricultural & livestock income - household head 7

268: Agricultural & livestock income - household head 8

269: Agricultural & livestock income - household income can not be taken apart to former income recipient

270: Net forest income - sub-total amount

271: Net forest income - household head 1

272: Net forest income - household head 2

273: Net forest income - household head 3

274: Net forest income - household head 4

275: Net forest income - household head 5

276: Net forest income - household head 6

277: Net forest income - household head 7

278: Net forest income - household head 8

279: Net forest income - household income can not be taken apart to former income recipient

280: Net fishing income - sub-total amount

281: Net fishing income - household head 1

282: Net fishing income - household head 2

283: Net fishing income - household head 3

284: Net fishing income - household head 4

285: Net fishing income - household head 5

286: Net fishing income - household head 6

287: Net fishing income - household head 7

288: Net fishing income - household head 8

289: Net fishing income - household income can not be taken apart to former income recipient

290: Net operation surplus - sub-total amount

291: Net operation surplus - household head 1

292: Net operation surplus - household head 2

293: Net operation surplus - household head 3

294: Net operation surplus - household head 4

295: Net operation surplus - household head 5

296: Net operation surplus - household head 6

297: Net operation surplus - household head 7

298: Net operation surplus - household head 8

299: Net operation surplus - household income can not be taken apart to former income recipient

300: Low income household - sub-total amount

301: Low income household - household head 1

302: Low income household - household head 2

303: Low income household - household head 3

304: Low income household - household head 4

305: Low income household - household head 5

306: Low income household - household head 6

307: Low income household - household head 7

308: Low income household - household head 8

309: Low income household - household income can not be taken apart to former income recipient

310: Old-age allowance - sub-total amount

311: Old-age allowance - household head 1

312: Old-age allowance - household head 2

313: Old-age allowance - household head 3

314: Old-age allowance - household head 4

315: Old-age allowance - household head 5

316: Old-age allowance - household head 6

317: Old-age allowance - household head 7

318: Old-age allowance - household head 8

319: Old-age allowance - household income can not be taken apart to former income recipient

320: Net professional income - sub-total amount

321: Net professional income - household head 1

322: Net professional income - household head 2

323: Net professional income - household head 3

324: Net professional income - household head 4

325: Net professional income - household head 5

326: Net professional income - household head 6

327: Net professional income - household head 7

328: Net professional income - household head 8

329: Net professional income - household income can not be taken apart to former income recipient

330: Property income - sub-total amount

331: Property income - household head 1

332: Property income - household head 2

333: Property income - household head 3

334: Property income - household head 4

335: Property income - household head 5

336: Property income - household head 6

337: Property income - household head 7

338: Property income - household head 8

339: Property income - household income can not be taken apart to former income recipient

340: Interest income - sub-total amount

341: Interest income - household head 1

342: Interest income - household head 2

343: Interest income - household head 3

344: Interest income - household head 4

345: Interest income - household head 5

346: Interest income - household head 6

347: Interest income - household head 7

348: Interest income - household head 8

349: Interest income - household income can not be taken apart to former income recipient

350: Investment income - sub-total amount

351: Investment income - household head 1

352: Investment income - household head 2

353: Investment income - household head 3

354: Investment income - household head 4

355: Investment income - household head 5

356: Investment income - household head 6

357: Investment income - household head 7

358: Investment income - household head 8

359: Investment income - household income can not be taken apart to former income recipient

360: Other property income - sub-total amount

361: Other property income - household head 1

362: Other property income - household head 2

363: Other property income - household head 3

364: Other property income - household head 4

365: Other property income - household head 5

366: Other property income - household head 6

367: Other property income - household head 7

368: Other property income - household head 8

369: Other property income - household income can not be taken apart to former income recipient

370: Old-age farmer annuity - sub-total amount

371: Old-age farmer annuity - household head 1

372: Old-age farmer annuity - household head 2

373: Old-age farmer annuity - household head 3

374: Old-age farmer annuity - household head 4

375: Old-age farmer annuity - household head 5

376: Old-age farmer annuity - household head 6

377: Old-age farmer annuity - household head 7

378: Old-age farmer annuity - household head 8

379: Old-age farmer annuity - household income can

not be taken apart to former income recipient

380: Other current transfer receipts from government - sub-total amount

381: Other current transfer receipts from government - household head 1

382: Other current transfer receipts from government - household head 2

383: Other current transfer receipts from government - household head 3

384: Other current transfer receipts from government - household head 4

385: Other current transfer receipts from government - household head 5

386: Other current transfer receipts from government - household head 6

387: Other current transfer receipts from government - household head 7

388: Other current transfer receipts from government - household head 8

389: Other current transfer receipts from government - household income can not be taken apart to former income recipient

390: Imputed rent income - sub-total amount

391: Imputed rent income - household head 1

392: Imputed rent income - household head 2

393: Imputed rent income - household head 3

394: Imputed rent income - household head 4

395: Imputed rent income - household head 5

396: Imputed rent income - household head 6

397: Imputed rent income - household head 7

398: Imputed rent income - household head 8

399: Imputed rent income - household income can not be taken apart to former income recipient

400: Total receipts - sub-total amount

401: Total receipts - household head 1

402: Total receipts - household head 2

403: Total receipts - household head 3

404: Total receipts - household head 4

405: Total receipts - household head 5

406: Total receipts - household head 6

407: Total receipts - household head 7

408: Total receipts - household head 8

409: Total receipts - household income can not be taken apart to former income recipient

410: Current transfer receipts - sub-total amount

411: Current transfer receipts - household head 1

412: Current transfer receipts - household head 2

413: Current transfer receipts - household head 3

414: Current transfer receipts - household head 4

415: Current transfer receipts - household head 5

416: Current transfer receipts - household head 6

417: Current transfer receipts - household head 7

418: Current transfer receipts - household head 8

419: Current transfer receipts - household income can not be taken apart to former income recipient

420: Current transfer receipts from individuals - sub-total amount

421: Current transfer receipts from individuals - household head 1

422: Current transfer receipts from individuals - household head 2

423: Current transfer receipts from individuals - household head 3

424: Current transfer receipts from individuals - household head 4

425: Current transfer receipts from individuals - household head 5

426: Current transfer receipts from individuals - household head 6

427: Current transfer receipts from individuals - household head 7

428: Current transfer receipts from individuals - household head 8

429: Current transfer receipts from individuals - household income can not be taken apart to former income recipient

430: Current transfer receipts from government - sub-total amount

431: Current transfer receipts from government -
household head 1

432: Current transfer receipts from government -
household head 2

433: Current transfer receipts from government -
household head 3

434: Current transfer receipts from government -
household head 4

435: Current transfer receipts from government -
household head 5

436: Current transfer receipts from government -
household head 6

437: Current transfer receipts from government -
household head 7

438: Current transfer receipts from government -
household head 8

439: Current transfer receipts from government -
household income can not be taken apart to former
income recipient

440: Current transfer receipts from enterprises -
sub-total amount

441: Current transfer receipts from enterprises -
household head 1

442: Current transfer receipts from enterprises -
household head 2

443: Current transfer receipts from enterprises -
household head 3

444: Current transfer receipts from enterprises -
household head 4

445: Current transfer receipts from enterprises -
household head 5

446: Current transfer receipts from enterprises -
household head 6

447: Current transfer receipts from enterprises -
household head 7

448: Current transfer receipts from enterprises -
household head 8

449: Current transfer receipts from enterprises -
household income can not be taken apart to former
income recipient

450: Benefit of social insurance - sub-total amount

451: Benefit of social insurance - household head 1

452: Benefit of social insurance - household head 2

453: Benefit of social insurance - household head 3

454: Benefit of social insurance - household head 4

455: Benefit of social insurance - household head 5

456: Benefit of social insurance - household head 6

457: Benefit of social insurance - household head 7

458: Benefit of social insurance - household head 8

459: Benefit of social insurance - household income
can not be taken apart to former income recipient

460: Cash benefit of life and casualty insurance -
sub-total amount

461: Cash benefit of life and casualty insurance -
household head 1

462: Cash benefit of life and casualty insurance -
household head 2

463: Cash benefit of life and casualty insurance -
household head 3

464: Cash benefit of life and casualty insurance -
household head 4

465: Cash benefit of life and casualty insurance -
household head 5

466: Cash benefit of life and casualty insurance -
household head 6

467: Cash benefit of life and casualty insurance -
household head 7

468: Cash benefit of life and casualty insurance -
household head 8

469: Cash benefit of life and casualty insurance -
household income can not be taken apart to former
income recipient

470: Other current transfer receipts from enterprises -
sub-total amount

471: Other current transfer receipts from enterprises -
household head 1

472: Other current transfer receipts from enterprises -
household head 2

473: Other current transfer receipts from enterprises - household head 3

474: Other current transfer receipts from enterprises - household head 4

475: Other current transfer receipts from enterprises - household head 5

476: Other current transfer receipts from enterprises - household head 6

477: Other current transfer receipts from enterprises - household head 7

478: Other current transfer receipts from enterprises - household head 8

479: Other current transfer receipts from enterprises - household income can not be taken apart to former income recipient

480: Current transfer receipts from abroad - sub-total amount

481: Current transfer receipts from abroad - household head 1

483: Current transfer receipts from abroad - household head 2

484: Current transfer receipts from abroad - household head 3

482: Current transfer receipts from abroad - household head 4

485: Current transfer receipts from abroad - household head 5

486: Current transfer receipts from abroad - household head 6

487: Current transfer receipts from abroad - household head 7

488: Current transfer receipts from abroad - household head 8

489: Current transfer receipts from abroad - household income can not be taken apart to former income recipient

490: Miscellaneous receipts - sub-total amount

491: Miscellaneous receipts - household head 1

492: Miscellaneous receipts - household head 2

493: Miscellaneous receipts - household head 3

494: Miscellaneous receipts - household head 4

495: Miscellaneous receipts - household head 5

496: Miscellaneous receipts - household head 6

497: Miscellaneous receipts - household head 7

498: Miscellaneous receipts - household head 8

499: Miscellaneous receipts - household income can not be taken apart to former income recipient

500: Current receipts of sub-total amount

510: House loans - sub-total amount

511: House loans - household head 1

512: House loans - household head 2

513: House loans - household head 3

514: House loans - household head 4

515: House loans - household head 5

516: House loans - household head 6

517: House loans - household head 7

518: House loans - household head 8

519: House loans - household income can not be taken apart to former income recipient

520: Other interest - sub-total amount

521: Other interest - household head 1

522: Other interest - household head 2

523: Other interest - household head 3

524: Other interest - household head 4

525: Other interest - household head 5

526: Other interest - household head 6

527: Other interest - household head 7

528: Other interest - household head 8

529: Other interest - household income can not be taken apart to former income recipient

540: Interest - sub-total amount

541: Interest - household head 1

542: Interest - household head 2

543: Interest - household head 3

544: Interest - household head 4

545: Interest - household head 5

546: Interest - household head 6

547: Interest - household head 7

548: Interest - household head 8

549: Interest - household income can not be taken apart to former income recipient

550: Expenditure of marriage, birth and funeral - sub-total amount

551: Expenditure of marriage, birth and funeral - household head 1

552: Expenditure of marriage, birth and funeral - household head 2

553: Expenditure of marriage, birth and funeral - household head 3

554: Expenditure of marriage, birth and funeral - household head 4

555: Expenditure of marriage, birth and funeral - household head 5

556: Expenditure of marriage, birth and funeral - household head 6

557: Expenditure of marriage, birth and funeral - household head 7

558: Expenditure of marriage, birth and funeral - household head 8

559: Expenditure of marriage, birth and funeral - household income can not be taken apart to former income recipient

560: Current transfer expenditures - sub-total amount

561: Current transfer expenditures - household head 1

562: Current transfer expenditures - household head 2

563: Current transfer expenditures - household head 3

564: Current transfer expenditures - household head 4

565: Current transfer expenditures - household head 5

566: Current transfer expenditures - household head 6

567: Current transfer expenditures - household head 7

568: Current transfer expenditures - household head 8

569: Current transfer expenditures - household income can not be taken apart to former income recipient

570: Current transfer expenditures to private - sub-total amount

571: Current transfer expenditures to private - household head 1

572: Current transfer expenditures to private - household head 2

573: Current transfer expenditures to private - household head 3

574: Current transfer expenditures to private - household head 4

575: Current transfer expenditures to private - household head 5

576: Current transfer expenditures to private - household head 6

577: Current transfer expenditures to private - household head 7

578: Current transfer expenditures to private - household head 8

579: Current transfer expenditures to private - household income can not be taken apart to former income recipient

580: Current transfer expenditures to government - sub-total amount

581: Current transfer expenditures to government - household head 1

582: Current transfer expenditures to government - household head 2

583: Current transfer expenditures to government - household head 3

584: Current transfer expenditures to government - household head 4

585: Current transfer expenditures to government - household head 5

586: Current transfer expenditures to government - household head 6

587: Current transfer expenditures to government - household head 7

588: Current transfer expenditures to government - household head 8

589: Current transfer expenditures to government - household income can not be taken apart to former income recipient

590: House tax and land tax - sub-total amount

591: House tax and land tax - household head 1

592: House tax and land tax - household head 2

593: House tax and land tax - household head 3

594: House tax and land tax - household head 4

595: House tax and land tax - household head 5

596: House tax and land tax - household head 6

597: House tax and land tax - household head 7

598: House tax and land tax - household head 8

599: House tax and land tax - household income can not be taken apart to former income recipient

600: Nonconsumption expenditure - sub-total amount

601: Nonconsumption expenditure - household head 1

602: Nonconsumption expenditure - household head 2

603: Nonconsumption expenditure - household head 3

604: Nonconsumption expenditure - household head 4

605: Nonconsumption expenditure - household head 5

606: Nonconsumption expenditure - household head 6

607: Nonconsumption expenditure - household head 7

608: Nonconsumption expenditure - household head 8

609: Nonconsumption expenditure - household income can not be taken apart to former income recipient

610: Income tax - sub-total amount

611: Income tax - household head 1

612: Income tax - household head 2

613: Income tax - household head 3

614: Income tax - household head 4

615: Income tax - household head 5

616: Income tax - household head 6

617: Income tax - household head 7

618: Income tax - household head 8

619: Income tax - household income can not be taken apart to former income recipient

620: Other direct tax - sub-total amount

621: Other direct tax - household head 1

622: Other direct tax - household head 2

623: Other direct tax - household head 3

624: Other direct tax - household head 4

625: Other direct tax - household head 5

626: Other direct tax - household head 6

627: Other direct tax - household head 7

628: Other direct tax - household head 8

629: Other direct tax - household income can not be taken apart to former income recipient

630: Other current transfer expenditures to government - sub-total amount

631: Other current transfer expenditures to government - household head 1

632: Other current transfer expenditures to government - household head 2

633: Other current transfer expenditures to government - household head 3

634: Other current transfer expenditures to government - household head 4

635: Other current transfer expenditures to government - household head 5

636: Other current transfer expenditures to government - household head 6

637: Other current transfer expenditures to government - household head 7

638: Other current transfer expenditures to government - household head 8

639: Other current transfer expenditures to government - household income can not be taken apart to former income recipient

640: Social insurance - sub-total amount

641: Social insurance - household head 1

642: Social insurance - household head 2

643: Social insurance - household head 3

644: Social insurance - household head 4

645: Social insurance - household head 5

646: Social insurance - household head 6

647: Social insurance - household head 7

648: Social insurance - household head 8

649: Social insurance - household income can not be taken apart to former income recipient

650: Expenditure on GEI - sub-total amount

651: Expenditure on GEI - household head 1

652: Expenditure on GEI - household head 2

653: Expenditure on GEI - household head 3 income recipient

654: Expenditure on GEI - household head 4

655: Expenditure on GEI - household head 5

656: Expenditure on GEI - household head 6

657: Expenditure on GEI - household head 7

658: Expenditure on GEI - household head 8

659: Expenditure on GEI - household income can not be taken apart to former income recipient

660: Expenditure on LI - sub-total amount

661: Expenditure on LI - household head 1

662: Expenditure on LI - household head 2

663: Expenditure on LI - household head 3

664: Expenditure on LI - household head 4

665: Expenditure on LI - household head 5

666: Expenditure on LI - household head 6

667: Expenditure on LI - household head 7

668: Expenditure on LI - household head 8

669: Expenditure on LI - household income can not be taken apart to former income recipient

670: Expenditure on farmer's health insurance - sub-total amount

671: Expenditure on farmer's health insurance - household head 1

672: Expenditure on farmer's health insurance - household head 2

673: Expenditure on farmer's health insurance - household head 3

674: Expenditure on farmer's health insurance - household head 4

675: Expenditure on farmer's health insurance - household head 5

676: Expenditure on farmer's health insurance - household head 6

677: Expenditure on farmer's health insurance - household head 7

678: Expenditure on farmer's health insurance - household head 8

679: Expenditure on farmer's health insurance - household income can not be taken apart to former

680: Expenditure on NHI - sub-total amount

681: Expenditure on NHI - household head 1

682: Expenditure on NHI - household head 2

683: Expenditure on NHI - household head 3

684: Expenditure on NHI - household head 4

685: Expenditure on NHI - household head 5

686: Expenditure on NHI - household head 6

687: Expenditure on NHI - household head 7

688: Expenditure on NHI - household head 8

689: Expenditure on NHI - household income can not be taken apart to former income recipient

690: Current transfer expenditures to abroad - sub-total amount

691: Current transfer expenditures to abroad - household head 1

692: Current transfer expenditures to abroad - household head 2

693: Current transfer expenditures to abroad - household head 3

694: Current transfer expenditures to abroad - household head 4

695: Current transfer expenditures to abroad - household head 5

696: Current transfer expenditures to abroad - household head 6

697: Current transfer expenditures to abroad - household head 7

698: Current transfer expenditures to abroad - household head 8

699: Current transfer expenditures to abroad - household income can not be taken apart to former income recipient

700: Insurance of NHI by employers - sub-total amount

701: Insurance of NHI by employers - household head 1

702: Insurance of NHI by employers - household head 2

703: Insurance of NHI by employers - household head

3	
704: Insurance of NHI by employers - household head	777: Other fuel and lighting
4	780: Total furniture and family facilities
705: Insurance of NHI by employers - household head	781: Furniture
5	782: Textile furnishing
706: Insurance of NHI by employers - household head	783: Durable household equipment
6	784: Glassware,tableware,small tools and miscellaneous accessories
707: Insurance of NHI by employers - household head	785: The rental, purchase, repair and maintenance fees of home appliances such as air conditioners, washing machines, etc.
7	786: The durable family equipment bought from shopping malls or department stores
708: Insurance of NHI by employers - household head	790: Total household operations
8	791: Domestic servants
709: Insurance of NHI by employers - household income can not be taken apart to former income recipient	792: Service to family
710: Total food	793: Other household operations
711: Main food	800: Total consumption expenditure
715: Supplementary food	810: Health
723: Dairy	811: Therapeutic equipment
724: Fruits	812: Outpatient and hospital services
725: Other food	813: Pharmaceutical and other medical products
726: Gifts	814: Life & casualty insurance
727: Board	816: Medical consumption of NHI
730: Beverage	818: The purchase fees of communication equipment
731: Non-alcoholic beverages	819: The reapiir and maintenance fees of communication equipment
732: Alcoholic beverages	820: Total transport and communication
740: Tobacco	821: Purchase of personal transport equipment
750: Clothing and footwear	822: Expenses on operations and maintenance of personal trans-port equipment
751: Clothing	823: Purchase transportation
756: Footwear	824: Postal and communication services
760: Rent and water charges	825: Insurance of vehicles
761: Actual rentals for housing	826: The purchase fees and rental of traffic and communication equipment such as telephones, cars, scooters, etc.
762: Imputed rentals of owner-occupiers	827: The repair and maintenance fees of traffic and communication equipment such as telephones, cars, scooters, etc.
763: Imputed rentals of issued and leased	
764: Maintenance and repair of the dwelling	
765: Water supply and refuse collection	
766: House insurance	
770: Total fuel and lighting	
771: Electricity	
775: Gas	

828: Gas fares, tolls, and parking fees (excluding additional costs from travel)

829: Monthly Internet rental, phone bills excluding business purpose, cellphone bills including monthly rental, and other communication bills

830: Recreational and cultural services

831: Traveling expenses

832: Recreation service

833: Newspapers, books and stationery

834: Recreational facilities

835: Expenditure on education, culture and researches

836: The monthly rental of cable television and multimedia choice-free video

837: The purchase, repair and maintenance fees of home appliances such as televisions, computers, etc.

840: Total miscellaneous expenditure

841: Jewellery, clocks, watches and other personal effects

842: Financial services

843: Appliances, articles and products for personal care

844: Hairdressing salons and personal grooming establishments

845: Food, beverage and tobacco in restaurant, ballroom

846: Expenses of marriage, birth and funeral (food excl.)

847: Other miscellaneous expenses

848: Non-saving insurance

850: Expenditure on fisher-man's health insurance - sub-total amount

851: Expenditure on fisher-man's health insurance - household head 1

852: Expenditure on fisher-man's health insurance - household head 2

853: Expenditure on fisher-man's health insurance - household head 3

854: Expenditure on fisher-man's health insurance - household head 4

855: Expenditure on fisher-man's health insurance - household head 5

856: Expenditure on fisher-man's health insurance - household head 6

857: Expenditure on fisher-man's health insurance - household head 7

858: Expenditure on fisher-man's health insurance - household head 8

859: Expenditure on fisher-man's health insurance - household income can not be taken apart to former income recipient

860: Expenditure on SI - sub-total amount

861: Expenditure on SI - household head 1

862: Expenditure on SI - household head 2

863: Expenditure on SI - household head 3

864: Expenditure on SI - household head 4

865: Expenditure on SI - household head 5

866: Expenditure on SI - household head 6

867: Expenditure on SI - household head 7

868: Expenditure on SI - household head 8

869: Expenditure on SI - household income can not be taken apart to former income recipient

890: Lottery payout - sub-total amount

891: Lottery payout - household head 1

892: Lottery payout - household head 2

893: Lottery payout - household head 3

894: Lottery payout - household head 4

895: Lottery payout - household head 5

896: Lottery payout - household head 6

897: Lottery payout - household head 7

898: Lottery payout - household head 8

899: Lottery payout - household income can not be taken apart to former income recipient

901: Children nanny expenses

902: The fees of home cooking, house cleaning, and additional employment of servants

906: Nurseries, kindergartens care costs

908: The total of other fees such as education and research

910: Lottery bonus - sub-total amount

911: Lottery bonus - household head 1

912: Lottery bonus - household head 2

913: Lottery bonus - household head 3

914: Lottery bonus - household head 4

915: Lottery bonus - household head 5

916: Lottery bonus - household head 6

917: Lottery bonus - household head 7

918: Lottery bonus - household head 8

919: Lottery bonus - household income can not be taken apart to former income recipient

921: The expenses of domestic traveling

922: The expenses of traveling abroad

923: Purchase expenses within current year of home computers

924: Repair and maintenance expenses of home computer

925: Purchase expenses within current year of computer peripherals

926: Repair and maintenance expenses within current year of computer peripherals

927: The rental or purchase fees of computer software

928: The durable family equipment bought from shopping malls or department stores

929: Education and cram school fees from students at school

930: Education and cram school fees from students not at school

934: General out-patient dental charges

935: Expenditure on dentures, denture and correct

936: Western medicine outpatient expenses

937: Chinese medicine outpatient expenses

938: Childbirth expenses

939: Hospital diagnosis and treatment fee

940: Benefit of NHI - sub-total amount

941: Benefit of NHI - household head 1

942: Benefit of NHI - household head 2

943: Benefit of NHI - household head 3

944: Benefit of NHI - household head 4

945: Benefit of NHI - household head 5

946: Benefit of NHI - household head 6

947: Benefit of NHI - household head 7

948: Benefit of NHI - household head 8

949: Benefit of NHI - household income can not be taken apart to former income recipient

950: Insurance of NHI by government - sub-total amount

951: Insurance of NHI by government - household head 1

952: Insurance of NHI by government - household head 2

953: Insurance of NHI by government - household head 3

954: Insurance of NHI by government - household head 4

955: Insurance of NHI by government - household head 5

956: Insurance of NHI by government - household head 6

957: Insurance of NHI by government - household head 7

958: Insurance of NHI by government - household head 8

959: Insurance of NHI by government - household income can not be taken apart to former income recipient

963: Marriage expenses

964: Funeral expenses

965: Other expenses (excluding marriage and funeral expenses)

969: The expenses of newspaper and magazines bought retail or subscribed to

977: Western medicine expenditure

978: Chinese medicine expenditure

979: Health food and health care supply

980: Benefit of GEI, LI, FHI, and SI - sub-total amount

981: Benefit of GEI, LI, FHI, and SI - household head 1

982: Benefit of GEI, LI, FHI, and SI - household head

2
983: Benefit of GEI, LI, FHI, and SI - household head
3
984: Benefit of GEI, LI, FHI, and SI - household head
4
985: Benefit of GEI, LI, FHI, and SI - household head
5
986: Benefit of GEI, LI, FHI, and SI - household head
6
987: Benefit of GEI, LI, FHI, and SI - household head
7
988: Benefit of GEI, LI, FHI, and SI - household head

8
989: Benefit of GEI, LI, FHI, and SI - household
income can not be taken apart to former income
recipient
994: Expenditure on chronic nursing homes, nursing
homes, maternity care center and home care etc.
995: Laboratory fee and radiotherapy fee
996: Folk medical expenses
997: Medical certificate fee

Appendix 2 : Table for the Values of Compressed Characters

Note: The amounts of income and expenditure items are recorded as compressed format by alphabet characters.

Please refer to the following table for the values of compressed characters.

Compressed format	Description	Compressed format	Description
{	0	J	-1
A	1	K	-2
B	2	L	-3
C	3	M	-4
D	4	N	-5
E	5	O	-6
F	6	P	-7
G	7	Q	-8
H	8	R	-9
I	9	}	-0

e.g.
193C → 1933
193L → -1933