

The Survey of Family Income and Expenditure, 2008

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 79.educational services 81.health care and social welfare services 83.public administration and defence compulsory social	

variable name	card/ column	variable label	value label	note
			security 84.cultural,sporting and 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	01.illiteracy	

variable name	card/ column	variable label	value label	note
		household head	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	
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	

variable name	card/ column	variable label	value label	note
			7.students 8.house wives 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	

variable name	card/ column	variable label	value label	note
			(3rd-generation) 432.nuclear family: the household head is female of the grandchild (3rd-generation) 511.ancestors and descendants: the household head is male of the grandparent(s) (1st-generation) 512.ancestors and descendants: the household head is female of the grandparent(s) (1st-generation) 531.ancestors and descendants: the household head is male of the grandchild (3rd-generation) 532.ancestors and descendants: the household head is female of the grandchild (3rd-generation) 611.extended family: the household head is male of the grandparent(s) (1st-generation) 612.extended family: the household head is female of the grandparent(s) (1st-generation) 621.extended family: the household head is male of the parent(s) (2nd-generation) 622.extended family: the household head is female of the parent(s)	

variable name	card/ column	variable label	value label	note
			(2nd-generation) 631.extended family: the 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	

variable name	card/ column	variable label	value label	note
			14.others	
b3_#	xx/13	Sex	0.n/a 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	
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 58.information and communication	

variable name	card/ column	variable label	value label	note
			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 1.yes 2.no	

variable name	card/ column	variable label	value label	note
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 04.Hsinchu County 05.Miaoli County	

variable name	card/ column	variable label	value label	note
			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 06.spouse code (member code)06	

variable name	card/ column	variable label	value label	note
			07.spouse code (member code)07 08.spouse code (member code)08 09.spouse code (member code)09 11.spouse code (member code)11 12.spouse code (member code)12 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 36.spouse code (member code)36 51.spouse code (member code)51 52.spouse code (member code)52 53.spouse code (member code)53 91.single 92.spouse living outside 93.cohabited 94.divorced 95.separated 96.widowed	
National Health Insurance				
b19_#	xx/41-42	Insured person's category of	00.none	

variable name	card/ column	variable label	value label	note
		national health insurance	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 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	

variable name	card/ column	variable label	value label	note
			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 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 months 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	

variable name	card/ column	variable label	value label	note
			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	
b23_#	xx/58-59	Insured person's status of social insurance (2)		
b24_#	xx/60-61	Insured months 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 person's category of national health insurance		
Part: Household equipment				
f1	21/09-10	Color TV		
f51	21/11-12	DVD player		

variable name	card/ column	variable label	value label	note
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		
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	Geyser		
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	sub-total amount		
f57	21/68	Internet facility: with usage	0.no	
f58	21/69	Internet facility:none	1.yes	
f59	21/70-71	LCD 、 PDP TV		
f60	21/72-73	MOD		
f61	21/74	Non-computer internet facility: yes	0.no 1.yes	
f62	21/75	Non-computer internet facility: no		
Part: Housing				

variable name	card/ column	variable label	value label	note
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 1.yes	
c8	22/20	Style of building:one story		
c9	22/21	Style of building:two or three stories		
c10	22/22	Style of building:four or five stories		
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)	999.Over 999 Ping	
c19	22/39-41	Room and area: Total room area (pins)		
c20	22/42	Interview Status	1.original sampled registered household 2.residents 3.excluded objects 4.the sample registered household changing register to other address.	

variable name	card/ column	variable label	value label	note
			5.the sample registered household not living at the registered address. 6.nobody at home 7.refused 8.address not existed 9.other	
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.				
itmxxx	#/09-22	Amount of amount code xxx	Amount code refer to appendix 1	
itmxxx	#/23-36	Amount of amount code xxx		
itmxxx	#/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	121: Awards - household head 1
84: Lump-sum retirement pay - household head 4	122: Awards - household head 2
85: Lump-sum retirement pay - household head 5	123: Awards - household head 3
86: Lump-sum retirement pay - household head 6	124: Awards - household head 4
87: Lump-sum retirement pay - household head 7	125: Awards - household head 5
88: Lump-sum retirement pay - household head 8	126: Awards - household head 6
89: Lump-sum retirement pay - household income can not be taken apart to former income recipient	127: Awards - household head 7
90: Monthly retirement pay - sub-total amount	128: Awards - household head 8
91: Monthly retirement pay - household head 1	129: Awards - household income can not be taken apart to former income recipient
92: Monthly retirement pay - household head 2	130: Insurance of GEI, LI, & SI by employers - sub-total amount
93: Monthly retirement pay - household head 3	131: Insurance of GEI, LI, & SI by employers - household head 1
94: Monthly retirement pay - household head 4	132: Insurance of GEI, LI, & SI by employers - household head 2
95: Monthly retirement pay - household head 5	133: Insurance of GEI, LI, & SI by employers - household head 3
96: Monthly retirement pay - household head 6	134: Insurance of GEI, LI, & SI by employers - household head 4
97: Monthly retirement pay - household head 7	135: Insurance of GEI, LI, & SI by employers - household head 5
98: Monthly retirement pay - household head 8	136: Insurance of GEI, LI, & SI by employers - household head 6
99: Monthly retirement pay - household income can not be taken apart to former income recipient	137: Insurance of GEI, LI, & SI by employers - household head 7
101: Code of member in household - household head 1	138: Insurance of GEI, LI, & SI by employers - household head 8
102: Code of member in household - household head 2	139: Insurance of GEI, LI, & SI by employers - household income can not be taken apart to former income recipient
103: Code of member in household - household head 3	140: Fringe & death benefits - sub-total amount
104: Code of member in household - household head 4	141: Fringe & death benefits - household head 1
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	

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

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

257: Employee benefits - household head 7	283: Net fishing income - household head 3
258: Employee benefits - household head 8	284: Net fishing income - household head 4
259: Employee benefits - household income can not be taken apart to former income recipient	285: Net fishing income - household head 5
260: Agricultural & livestock income - sub-total amount	286: Net fishing income - household head 6
261: Agricultural & livestock income - household head 1	287: Net fishing income - household head 7
262: Agricultural & livestock income - household head 2	288: Net fishing income - household head 8
263: Agricultural & livestock income - household head 3	289: Net fishing income - household income can not be taken apart to former income recipient
264: Agricultural & livestock income - household head 4	290: Net operation surplus - sub-total amount
265: Agricultural & livestock income - household head 5	291: Net operation surplus - household head 1
266: Agricultural & livestock income - household head 6	292: Net operation surplus - household head 2
267: Agricultural & livestock income - household head 7	293: Net operation surplus - household head 3
268: Agricultural & livestock income - household head 8	294: Net operation surplus - household head 4
269: Agricultural & livestock income - household income can not be taken apart to former income recipient	295: Net operation surplus - household head 5
270: Net forest income - sub-total amount	296: Net operation surplus - household head 6
271: Net forest income - household head 1	297: Net operation surplus - household head 7
272: Net forest income - household head 2	298: Net operation surplus - household head 8
273: Net forest income - household head 3	299: Net operation surplus - household income can not be taken apart to former income recipient
274: Net forest income - household head 4	300: Low income household - sub-total amount
275: Net forest income - household head 5	301: Low income household - household head 1
276: Net forest income - household head 6	302: Low income household - household head 2
277: Net forest income - household head 7	303: Low income household - household head 3
278: Net forest income - household head 8	304: Low income household - household head 4
279: Net forest income - household income can not be taken apart to former income recipient	305: Low income household - household head 5
280: Net fishing income - sub-total amount	306: Low income household - household head 6
281: Net fishing income - household head 1	307: Low income household - household head 7
282: Net fishing income - household head 2	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	416: Current transfer receipts - household head 6
386: Other current transfer receipts from government - household head 6	417: Current transfer receipts - household head 7
387: Other current transfer receipts from government - household head 7	418: Current transfer receipts - household head 8
388: Other current transfer receipts from government - household head 8	419: Current transfer receipts - household income can not be taken apart to former income recipient
389: Other current transfer receipts from government - household income can not be taken apart to former income recipient	420: Current transfer receipts from individuals - sub-total amount
390: Imputed rent income - sub-total amount	421: Current transfer receipts from individuals - household head 1
391: Imputed rent income - household head 1	422: Current transfer receipts from individuals - household head 2
392: Imputed rent income - household head 2	423: Current transfer receipts from individuals - household head 3
393: Imputed rent income - household head 3	424: Current transfer receipts from individuals - household head 4
394: Imputed rent income - household head 4	425: Current transfer receipts from individuals - household head 5
395: Imputed rent income - household head 5	426: Current transfer receipts from individuals - household head 6
396: Imputed rent income - household head 6	427: Current transfer receipts from individuals - household head 7
397: Imputed rent income - household head 7	428: Current transfer receipts from individuals - household head 8
398: Imputed rent income - household head 8	429: Current transfer receipts from individuals - household income can not be taken apart to former income recipient
399: Imputed rent income - household income can not be taken apart to former income recipient	430: Current transfer receipts from government - sub-total amount
400: Total receipts - sub-total amount	431: Current transfer receipts from government - household head 1
401: Total receipts - household head 1	432: Current transfer receipts from government - household head 2
402: Total receipts - household head 2	433: Current transfer receipts from government - household head 3
403: Total receipts - household head 3	434: Current transfer receipts from government - household head 4
404: Total receipts - household head 4	435: Current transfer receipts from government - household head 5
405: Total receipts - household head 5	436: Current transfer receipts from government -
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	

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	512: House loans - household head 2
479: Other current transfer receipts from enterprises - household income can not be taken apart to former income recipient	513: House loans - household head 3
480: Current transfer receipts from abroad - sub-total amount	514: House loans - household head 4
481: Current transfer receipts from abroad - household head 1	515: House loans - household head 5
482: Current transfer receipts from abroad - household head 2	516: House loans - household head 6
483: Current transfer receipts from abroad - household head 3	517: House loans - household head 7
484: Current transfer receipts from abroad - household head 4	518: House loans - household head 8
485: Current transfer receipts from abroad - household head 5	519: House loans - household income can not be taken apart to former income recipient
486: Current transfer receipts from abroad - household head 6	520: Other interest - sub-total amount
487: Current transfer receipts from abroad - household head 7	521: Other interest - household head 1
488: Current transfer receipts from abroad - household head 8	522: Other interest - household head 2
489: Current transfer receipts from abroad - household income can not be taken apart to former income recipient	523: Other interest - household head 3
490: Miscellaneous receipts - sub-total amount	524: Other interest - household head 4
491: Miscellaneous receipts - household head 1	525: Other interest - household head 5
492: Miscellaneous receipts - household head 2	526: Other interest - household head 6
493: Miscellaneous receipts - household head 3	527: Other interest - household head 7
494: Miscellaneous receipts - household head 4	528: Other interest - household head 8
495: Miscellaneous receipts - household head 5	529: Other interest - household income can not be taken apart to former income recipient
496: Miscellaneous receipts - household head 6	530: Expeniture on NAI - sub-total amount
497: Miscellaneous receipts - household head 7	531: Expeniture on NAI - household head 1
498: Miscellaneous receipts - household head 8	532: Expeniture on NAI - household head 2
499: Miscellaneous receipts - household income can not be taken apart to former income recipient	533: Expeniture on NAI - household head 3
500: Current receipts of sub-total amount	534: Expeniture on NAI - household head 4
510: House loans - sub-total amount	535: Expeniture on NAI - household head 5
511: House loans - household head 1	536: Expeniture on NAI - household head 6
	537: Expeniture on NAI - household head 7
	538: Expeniture on NAI - household head 8
	539: Expeniture on NAI - 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	572: Current transfer expenditures to private - household head 2
549: Interest - household income can not be taken apart to former income recipient	573: Current transfer expenditures to private - household head 3
550: Expenditure of marriage, birth and funeral - sub-total amount	574: Current transfer expenditures to private - household head 4
551: Expenditure of marriage, birth and funeral - household head 1	575: Current transfer expenditures to private - household head 5
552: Expenditure of marriage, birth and funeral - household head 2	576: Current transfer expenditures to private - household head 6
553: Expenditure of marriage, birth and funeral - household head 3	577: Current transfer expenditures to private - household head 7
554: Expenditure of marriage, birth and funeral - household head 4	578: Current transfer expenditures to private - household head 8
555: Expenditure of marriage, birth and funeral - household head 5	579: Current transfer expenditures to private - household income can not be taken apart to former income recipient
556: Expenditure of marriage, birth and funeral - household head 6	580: Current transfer expenditures to government - sub-total amount
557: Expenditure of marriage, birth and funeral - household head 7	581: Current transfer expenditures to government - household head 1
558: Expenditure of marriage, birth and funeral - household head 8	582: Current transfer expenditures to government - household head 2
559: Expenditure of marriage, birth and funeral - household income can not be taken apart to former income recipient	583: Current transfer expenditures to government - household head 3
560: Current transfer expenditures - sub-total amount	584: Current transfer expenditures to government - household head 4
561: Current transfer expenditures - household head 1	585: Current transfer expenditures to government - household head 5
562: Current transfer expenditures - household head 2	586: Current transfer expenditures to government - household head 6
563: Current transfer expenditures - household head 3	587: Current transfer expenditures to government - household head 7
564: Current transfer expenditures - household head 4	588: Current transfer expenditures to government - household head 8
565: Current transfer expenditures - household head 5	589: Current transfer expenditures to government - household income can not be taken apart to former income recipient
566: Current transfer expenditures - household head 6	590: House tax and land tax - sub-total amount
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	

591: House tax and land tax - household head 1	626: Other direct tax - household head 6
592: House tax and land tax - household head 2	627: Other direct tax - household head 7
593: House tax and land tax - household head 3	628: Other direct tax - household head 8
594: House tax and land tax - household head 4	629: Other direct tax - household income can not be
595: House tax and land tax - household head 5	taken apart to former income recipient
596: House tax and land tax - household head 6	630: Other current transfer expenditures to
597: House tax and land tax - household head 7	government - sub-total amount
598: House tax and land tax - household head 8	631: Other current transfer expenditures to
599: House tax and land tax - household income can	government - household head 1
not be taken apart to former income recipient	632: Other current transfer expenditures to
600: Nonconsumption expenditure - sub-total amount	government - household head 2
601: Nonconsumption expenditure - household head 1	633: Other current transfer expenditures to
602: Nonconsumption expenditure - household head 2	government - household head 3
603: Nonconsumption expenditure - household head 3	634: Other current transfer expenditures to
604: Nonconsumption expenditure - household head 4	government - household head 4
605: Nonconsumption expenditure - household head 5	635: Other current transfer expenditures to
606: Nonconsumption expenditure - household head 6	government - household head 5
607: Nonconsumption expenditure - household head 7	636: Other current transfer expenditures to
608: Nonconsumption expenditure - household head 8	government - household head 6
609: Nonconsumption expenditure - household	637: Other current transfer expenditures to
income can not be taken apart to former income	government - household head 7
recipient	638: Other current transfer expenditures to
610: Income tax - sub-total amount	government - household head 8
611: Income tax - household head 1	639: Other current transfer expenditures to
612: Income tax - household head 2	government - household income can not be taken
613: Income tax - household head 3	apart to former income recipient
614: Income tax - household head 4	640: Social insurance - sub-total amount
615: Income tax - household head 5	641: Social insurance - household head 1
616: Income tax - household head 6	642: Social insurance - household head 2
617: Income tax - household head 7	643: Social insurance - household head 3
618: Income tax - household head 8	644: Social insurance - household head 4
619: Income tax - household income can not be taken	645: Social insurance - household head 5
apart to former income recipient	646: Social insurance - household head 6
620: Other direct tax - sub-total amount	647: Social insurance - household head 7
621: Other direct tax - household head 1	648: Social insurance - household head 8
622: Other direct tax - household head 2	649: Social insurance - household income can not be
623: Other direct tax - household head 3	taken apart to former income recipient
624: Other direct tax - household head 4	650: Expenditure on GEI - sub-total amount
625: Other direct tax - household head 5	651: Expenditure on GEI - household head 1

652: Expenditure on GEI - household head 2	household income can not be taken apart to
653: Expenditure on GEI - household head 3	former income recipient
654: Expenditure on GEI - household head 4	680: Expenditure on NHI - sub-total amount
655: Expenditure on GEI - household head 5	681: Expenditure on NHI - household head 1
656: Expenditure on GEI - household head 6	682: Expenditure on NHI - household head 2
657: Expenditure on GEI - household head 7	683: Expenditure on NHI - household head 3
658: Expenditure on GEI - household head 8	684: Expenditure on NHI - household head 4
659: Expenditure on GEI - household income can not	685: Expenditure on NHI - household head 5
be taken apart to former income recipient	686: Expenditure on NHI - household head 6
660: Expenditure on LI - sub-total amount	687: Expenditure on NHI - household head 7
661: Expenditure on LI - household head 1	688: Expenditure on NHI - household head 8
662: Expenditure on LI - household head 2	689: Expenditure on NHI - household income can not
663: Expenditure on LI - household head 3	be taken apart to former income recipient
664: Expenditure on LI - household head 4	690: Current transfer expenditures to abroad -
665: Expenditure on LI - household head 5	sub-total amount
666: Expenditure on LI - household head 6	691: Current transfer expenditures to abroad -
667: Expenditure on LI - household head 7	household head 1
668: Expenditure on LI - household head 8	692: Current transfer expenditures to abroad -
669: Expenditure on LI - household income can not be	household head 2
taken apart to former income recipient	693: Current transfer expenditures to abroad -
670: Expenditure on farmer's health insurance -	household head 3
sub-total amount	694: Current transfer expenditures to abroad -
671: Expenditure on farmer's health insurance -	household head 4
household head 1	695: Current transfer expenditures to abroad -
672: Expenditure on farmer's health insurance -	household head 5
household head 2	696: Current transfer expenditures to abroad -
673: Expenditure on farmer's health insurance -	household head 6
household head 3	697: Current transfer expenditures to abroad -
674: Expenditure on farmer's health insurance -	household head 7
household head 4	698: Current transfer expenditures to abroad -
675: Expenditure on farmer's health insurance -	household head 8
household head 5	699: Current transfer expenditures to abroad -
676: Expenditure on farmer's health insurance -	household income can not be taken apart to
household head 6	former income recipient
677: Expenditure on farmer's health insurance -	700: Insurance of NHI by employers - sub-total
household head 7	amount
678: Expenditure on farmer's health insurance -	701: Insurance of NHI by employers - household head
household head 8	1
679: Expenditure on farmer's health insurance -	702: Insurance of NHI by employers - household head

2	
703: Insurance of NHI by employers - household head	771: Electricity
3	775: Gas
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	790: Total household operations
708: Insurance of NHI by employers - household head	791: Domestic servants
8	792: Service to family
709: Insurance of NHI by employers - household income can not be taken apart to former income recipient	793: Other household operations
710: Total food	800: Total consumption expenditure
711: Main food	810: Health
715: Supplementary food	811: Therapeutic equipment
723: Dairy	812: Outpatient and hospital services
724: Fruits	813: Pharmaceutical and other medical products
725: Other food	814: Life & casualty insurance
726: Gifts	816: Medical consumption of NHI
727: Board	818: The purchase fees of communication equipment
730: Beverage	819: The repair and maintenance fees of communication equipment
731: Non-alcoholic beverages	820: Total transport and communication
732: Alcoholic beverages	821: Purchase of personal transport equipment
740: Tobacco	822: Expenses on operations and maintenance of personal trans-port equipment
750: Clothing and footwear	823: Purchase transportation
751: Clothing	824: Postal and communication services
756: Footwear	825: Insurance of vehicles
760: Rent and water charges	826: The purchase fees and rental of traffic and communication equipment such as telephones, cars, scooters, etc.
761: Actual rentals for housing	827: The repair and maintenance fees of traffic and communication equipment such as telephones, cars, scooters, etc.
762: Imputed rentals of owner-occupiers	
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	

828: Gas fares, tolls, and parking fees (excluding additional costs from travel)	household head 4
829: Monthly Internet rental, phone bills excluding business purpose, cellphone bills including monthly rental, and other communication bills	855: Expenditure on fisher-man's health insurance - household head 5
830: Recreational and cultural services	856: Expenditure on fisher-man's health insurance - household head 6
831: Traveling expenses	857: Expenditure on fisher-man's health insurance - household head 7
832: Recreation service	858: Expenditure on fisher-man's health insurance - household head 8
833: Newspapers,books and stationery	859: Expenditure on fisher-man's health insurance - household income can not be taken apart to former income recipient
834: Recreational facilities	860: Expenditure on SI - sub-total amount
835: Expenditure on education, cul-ture and researches	861: Expenditure on SI - household head 1
836: The monthly rental and annual choice-freevideo bills of cable television, multimedia choice-free video, etc.	862: Expenditure on SI - household head 2
837: The purchase, repair and mainteance fees of home appliances such as televisions, computers, etc.	863: Expenditure on SI - household head 3
840: Total miscellaneous expenditure	864: Expenditure on SI - household head 4
841: Jewellery,clocks,watches and other personal effects	865: Expenditure on SI - household head 5
842: Financial services	866: Expenditure on SI - household head 6
843: Appliances,articles and products for personal care	867: Expenditure on SI - household head 7
844: Hairdressing salons and personal gromming establishments	868: Expenditure on SI - household head 8
845: Food and beverages in restaurants	869: Expenditure on SI - household income can not be taken apart to former income recipient
846: Expenses of marriage, birth and funeral (food excl.)	870: National annuity - sub-total amount
847: Other miscellaneous expenses	871: National annuity - household head 1
848: Non-saving insurance	872: National annuity - household head 2
850: Expenditure on fisher-man's health insurance - sub-total amount	873: National annuity - household head 3
851: Expenditure on fisher-man's health insurance - household head 1	874: National annuity - household head 4
852: Expenditure on fisher-man's health insurance - household head 2	875: National annuity - household head 5
853: Expenditure on fisher-man's health insurance - household head 3	876: National annuity - household head 6
854: Expenditure on fisher-man's health insurance -	877: National annuity - household head 7
	878: National annuity - household head 8
	879: National annuity - household income can not be taken apart to former income recipient
	880: Benefit of NAI - sub-total amount
	881: Benefit of NAI - household head 1
	882: Benefit of NAI - household head 2
	883: Benefit of NAI - household head 3
	884: Benefit of NAI - household head 4

885: Benefit of NAI - household head 5
 886: Benefit of NAI - household head 6
 887: Benefit of NAI - household head 7
 888: Benefit of NAI - household head 8
 889: Benefit of NAI - 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
 additonal 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
 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 goverment - sub-total
 amount
 951: Insurance of NHI by goverment - household head
 1
 952: Insurance of NHI by goverment - household head
 2
 953: Insurance of NHI by goverment - household head
 3
 954: Insurance of NHI by goverment - household head
 4
 955: Insurance of NHI by goverment - household head
 5

956: Insurance of NHI by goverment - household head	6
957: Insurance of NHI by goverment - household head	7
958: Insurance of NHI by goverment - household head	8
959: Insurance of NHI by goverment - household income can not be taken apart to former income recipient	989: Benefit of GEI, LI, FHI, and SI - household income can not be taken apart to former income recipient
963: Marriage expenses	994: Expenditure on chronic nursing homes, nursing homes, maternity care center and home care etc.
964: Funeral expenses	995: Laboratory fee and radiotherapy fee
965: Other expenses (excluding marriage and funeral expenses)	996: Folk medical expenses
969: The expenses of newspaper and magazines bought retail or subscribed to	997: Medical certificate fee
977: Western medicine expenditure	
978: Chinese medicine expenditure	
979: Health food and health care supplie	
980: Benefit of GEI, LI, FHI, and SI - sub-total amount	
981: Benefit of GEI, LI, FHI, and SI - household head	
982: Benefit of GEI, LI, FHI, and SI - household head	
983: Benefit of GEI, LI, FHI, and SI - household head	
984: Benefit of GEI, LI, FHI, and SI - household head	
985: Benefit of GEI, LI, FHI, and SI - household head	
986: Benefit of GEI, LI, FHI, and SI - household head	

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			