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Appendix

Troubleshooting

General

Problem	Possible Cause	Solution
Handset won't turn on	Was [power] pressed long enough?	Press [power] longer.
	Battery may need to be charged or replaced.	Charge battery or install a charged battery.
	Battery may not be properly installed.	Install battery properly (**P.1-6**).
Handset won't respond	Is ***Switch On/Off*** in PIN Entry ***On***?	If ***On***, PIN is required. Enter PIN according to onscreen prompt.
Insert USIM Card **appears**	USIM Card may not be properly inserted.	Turn power off and check that USIM Card is properly inserted, then restart handset. If the message still appears, USIM may be damaged.
	The correct USIM Card may not be inserted.	Make sure the correct USIM Card is inserted. The inserted USIM Card may not be valid.
	There may be debris on IC chip/terminals.	Clean relevant parts with a dry cloth and re-insert.
REFRESH **appears and handset returns to Standby**	Handset may have been dropped or subjected to shocks.	Handset failed to recognize USIM Card temporarily. This is not a malfunction.
Keypad won't respond	Keypad Lock may be active (▦ appears).	Cancel Keypad Lock (**P.2-2**).
	Function Lock may be active.	Cancel Function Lock (**P.2-24**).

Problem	Possible Cause	Solution
Battery strength indicator flashes when not charging	Ambient temperature may be outside 5°C to 35°C.	Use within an ambient temperature of 5°C - 35°C.
Saved entry/folder does not appear on handset	Entry/folder may be set to Secret.	Activate Show Secret Data (**P.2-25**).
Cannot use Predictive	Show Secret Data may be active.	Cancel Show Secret Data.
Handset/AC Charger feels warm	Handset/AC Charger may warm while charging.	Unless handset/ AC Charger is too hot to touch, warmth is considered normal. Always avoid prolonged skin contact to prevent burn injuries.
	Handset may warm during extended periods of use.	
	Handset may warm during Video Calls.	
Cannot access Memory Card files	Memory Card may not be properly formatted.	Use 931SH-formatted Memory Cards.
Clock settings are lost	Did you leave handset without battery?	Clock settings remain even when removing battery for replacement, etc. However, if handset is left with no battery or an exhausted one for an extended period of time (approximately 30 hours), Clock will need to be reset.

■ Charger/Battery

Problem	Possible Cause	Solution
Battery charges quickly	Remaining charge shortens charging time.	This is normal.
	Battery may be terminally exhausted or defective. (Small Light flashes red.)	Replace battery with a new one.
Battery charges slowly	Charging slows during Video Calls.	End the call to charge faster.
	Battery may be charging via USB.	Use AC Charger.
Battery won't charge	AC Charger may not be properly connected to handset.	Make sure connector is securely inserted and retry.
	AC Charger may not be firmly plugged in to AC outlet.	Remove plug from outlet, re-insert and retry.
	Battery may not be properly installed.	Install battery properly (**P.1-6**).
	Battery, AC Charger, or Charging Terminals, or Device Port may be obstructed by dust, etc.	Clean terminals, connector and Port with a dry cotton swab and retry.
	Charger, etc. may not be supported.	Use specified AC Charger, etc. only; others may damage battery.

Problem	Possible Cause	Solution
Battery Time seems shorter than usual	High power consuming operations are in use.	Keep Slider closed in Standby; reduce TV, S! Application, Media Player and Camera use, and limit transmissions/external connections.
	Using handset in poor conditions may shorten Battery Time.	Avoid prolonged use of handset out-of-range or in poor signal conditions.
	Power hungry settings may be active.	Lower Brightness, select shorter Display Saving/ Backlight time, etc.

Key Assignments

Key	Kanji (Hiragana) [Double-byte]	Katakana [Double & Single-byte]	Alphanumerics [Double & Single-byte]	Numbers [Single-byte]	Character Codes
1	あいうえお ぁ ぃ ぅ ぇ ぉ	アイウエオ ｱ ｲ ｳ ｴ ｵ	@./-1 □ (space)	1	1
2	かきくけこ	カキクケコ	ABCabc2	2	2
3	さしすせそ	サシスセソ	DEFdef3	3	3
4	たちつてとっ	タチツテトッ	GHIghi4	4	4
5	なにぬねの	ナニヌネノ	JKLjkl5	5	5
6	はひふへほ	ハヒフヘホ	MNOmno6	6	6
7	まみむめも	マミムメモ	PQRSpqrs7	7	7
8	やゆよゃゅょ	ヤユヨャュョ	TUVtuv8	8	8
9	らりるれろ	ラリルレロ	WXYZwxyz9	9	9
0	わをんー	ワヲンー	0	0	0
*	゛ ゜	゛ ゜ -[1]	————	¥ + P (pause) ? -[2]	————
	Log, Pictogram List (double-byte), Symbol List[3]				
#	、。		,.	#	————
	↵ (line break) ？ ！ □ (space)				

[1] - is available only in single-byte katakana entry.
[2] Available for phone number entry; some characters may not be enterable in some windows.
[3] May not be enterable in some windows.

Key	Kanji (Hiragana) [Double-byte]	Katakana [Double & Single-byte]	Alphanumerics [Double & Single-byte]	Numbers [Single-byte]	Character Codes
	Conversion (up)[4]	Cursor up			
	Conversion (down)[5]	Cursor down ↵ (line break)			
	Cursor left				
	Cursor right				
	Change entry mode				
A/a	Toggle case (for some characters)			———	
	———		Toggle mode (upper/ lower and lower case)		
CLEAR /BACK	Delete one character				
	Cancel conversion	———			Delete code
CLEAR /BACK (Long)	Delete before or after cursor				
	Recover characters deleted with CLEAR /BACK				
	Re-convert[6]	———			
	OK				
	Phonetic Conversion	———			
Y7	Hiragana to Katakana/ Alphanumeric Conversion	———			

[4]Cursor moves up except during conversion.
[5]Cursor moves down except during conversion.
[6]Press [↻] immediately after inserting characters to re-convert them.

Pager Code List

Gray background indicates upper and lower case available. Press [A/a] to switch immediately after character entry.

■ Double-byte Upper Case

First Digit (Press First)	Second Digit (Press Next) 1	2	3	4	5	6	7	8	9	0
1	あ	い	う	え	お	A	B	C	D	E
2	か	き	く	け	こ	F	G	H	I	J
3	さ	し	す	せ	そ	K	L	M	N	O
4	た	ち	つ	て	と	P	Q	R	S	T
5	な	に	ぬ	ね	の	U	V	W	X	Y
6	は	ひ	ふ	へ	ほ	Z	?	!	ー	／
7	ま	み	む	め	も	¥	&		☎	*1
8	や	(	ゆ	)	よ	※	#	Space	♥	*2
9	ら	り	る	れ	ろ	1	2	3	4	5
0	わ	を	ん	゛	゜	6	7	8	9	0

■ Single-byte Upper Case

First Digit (Press First)	Second Digit (Press Next) 1	2	3	4	5	6	7	8	9	0
1	ｱ	ｲ	ｳ	ｴ	ｵ	A	B	C	D	E
2	ｶ	ｷ	ｸ	ｹ	ｺ	F	G	H	I	J
3	ｻ	ｼ	ｽ	ｾ	ｿ	K	L	M	N	O
4	ﾀ	ﾁ	ﾂ	ﾃ	ﾄ	P	Q	R	S	T
5	ﾅ	ﾆ	ﾇ	ﾈ	ﾉ	U	V	W	X	Y
6	ﾊ	ﾋ	ﾌ	ﾍ	ﾎ	Z	?	!	-	/
7	ﾏ	ﾐ	ﾑ	ﾒ	ﾓ	¥	&		☎	*1
8	ﾔ	(	ｭ	)	ﾖ	※	#	Space	♥	*2
9	ﾗ	ﾘ	ﾙ	ﾚ	ﾛ	1	2	3	4	5
0	ﾜ	ﾗ	ﾝ	゛	゜	6	7	8	9	0

■ Double-byte Lower Case

First Digit (Press First)	Second Digit (Press Next) 1	2	3	4	5	6	7	8	9	0
1	ぁ	ぃ	ぅ	ぇ	ぉ	a	b	c	d	e
2						f	g	h	i	j
3						k	l	m	n	o
4			っ			p	q	r	s	t
5						u	v	w	x	y
6						z				
7										*1
8	ゃ		ゅ		ょ					*2
9										
0				、	。					

■ Single-byte Lower Case

First Digit (Press First)	Second Digit (Press Next) 1	2	3	4	5	6	7	8	9	0
1	ｧ	ｨ	ｩ	ｪ	ｫ	a	b	c	d	e
2						f	g	h	i	j
3						k	l	m	n	o
4			ｯ			p	q	r	s	t
5						u	v	w	x	y
6						z				
7										*1
8	ｬ		ｭ		ｮ					*2
9										
0				,	.					

*1 Press [7] [0] to insert ↵ (line break) in mail message text, Notepad, etc.
*2 Press [8] [0] to toggle upper and lower case modes.

Character Code List

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
010		Space	、	。	，	．	・	：	；	？
011	！	゛	゜	´	｡	｢	｣	¨	ｰ	／
012	＼	～	‖	｜	…	‥	‘	’	“	”
013	（	）	〔	〕	［	］	｛	｝	〈	〉
014	《	》	「	」	『	』	【	】	＋	－
015	±	×	÷	＝	≠	＜	＞	≦	≧	∞
016	∴	♂	♀	°	′	″	℃	￥	＄	¢
017	£	%	#	&	＊	＠	§	☆	★	○
018	●	◎	◇	◆	□	■	△	▲	▽	▼
019	※	〒	→	←	↑	↓	〓			
020							∈	∋	⊆	⊇
021	⊂	⊃	∪	∩						
022			∧	∨	￢	⇒	⇔	∀	∃	
023	∠	⊥	⌒	∂	∇	≡	≒	≪	≫	√
024	∽	∝	∵	∫	∬					
026	Å	‰	♯	♭	♪	†	‡	¶		
027	◯									
028										
029										
031						0	1	2	3	
032	4	5	6	7	8	9				
033				A	B	C	D	E	F	G
034	H	I	J	K	L	M	N	O	P	Q
035	R	S	T	U	V	W	X	Y	Z	a
036						a	b	c	d	e
037	f	g	h	i	j	k	l	m	n	o
038	p	q	r	s	t	u	v	w	x	y
039	z									
040		ぁ	あ	い	ぃ	う	ぅ	え	ぇ	お
041	ぉ	か	が	き	ぎ	く	ぐ	け	げ	こ
042	ご	さ	ざ	し	じ	す	ず	せ	ぜ	そ
043	ぞ	た	だ	ち	ぢ	っ	づ	て	で	と
044	ど	な	に	ぬ	ね	の	は	ば	ぱ	ひ
045	び	ぴ	ふ	ぶ	ぷ	へ	べ	ぺ	ほ	ぼ
046	ぽ	ま	み	む	め	も	ゃ	や	ゅ	ゆ

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
047	ょ	よ	ら	り	る	れ	ろ	わ	ゎ	ゐ
048	ゑ	を	ん							
050		ァ	ィ	ゥ	ェ	ォ	カ	キ	ク	ケ
051	コ	サ	シ	ス	セ	ソ	タ	チ	ツ	テ
052	ト	ナ	ニ	ヌ	ネ	ノ	ハ	ヒ	フ	ヘ
053	ホ	マ	ミ	ム	メ	モ	ャ	ヤ	ュ	ユ
054	ョ	ヨ	ラ	リ	ル	レ	ロ	ヮ	ワ	ヰ
055	ヱ	ヲ	ン	ヴ	ヵ	ヶ				
056	ヽ	ヾ	ゞ	ゝ	ゟ	ヿ				
057	亜	唖	娃	阿	哀	愛	挨	姶	逢	
058	葵	茜	穐	悪	握	渥	旭	葦	芦	鯵
161	梓	圧	斡	扱	宛	姐	虻	飴	絢	綾
162	鮎	或	粟	袷	安	庵	按	暗	案	闇
163	鞍	杏								
164	い									
164		以	伊	位	依	偉	囲	夷	委	威
165	尉	惟	意	慰	易	椅	為	畏	異	移
166	維	緯	胃	萎	衣	謂	違	遺	医	井
167	亥	域	育	郁	磯	一	壱	溢	逸	稲
168	茨	芋	鰯	允	印	咽	員	因	姻	引
169	飲	淫	胤	蔭						
170	院	陰	隠	韻	吋					
170	う									
171					右	宇	烏	羽	迂	雨
172	卯	鵜	窺	丑	碓	臼	渦	嘘	唄	欝
173	蔚	鰻	姥	厩	浦	瓜	閏	噂	云	運
173	雲									
173	え									
174		荏	餌	叡	瑛	営	嬰	影	映	曳
175	栄	永	泳	洩	瑛	盈	穎	頴	英	衛
176	詠	鋭	液	疫	益	駅	悦	謁	越	閲
177	榎	厭	円	園	堰	奄	宴	延	怨	掩
178	援	沿	演	炎	焔	煙	燕	猿	縁	艶
178	苑	薗	遠	鉛	鴛	塩				
178	お									
178						於	汚	甥	凹	央
179	奥	往	応							
180	押	旺	横	欧	殴	王	翁	襖	鴬	鴎
181	黄	岡	沖	荻	億	屋	憶	臆	桶	牡
182	乙	俺	卸	恩	温	穏	音			
182	か									
182							下	化	仮	何
183	伽	価	佳	加	可	嘉	夏	嫁	家	寡
184	科	暇	果	架	歌	河	火	珂	禍	禾
185	稼	箇	花	苛	茄	荷	華	菓	蝦	課
186	嘩	貨	迦	過	霞	蚊	俄	峨	我	牙
187	画	臥	芽	蛾	賀	雅	餓	駕		

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
188	介	会	解	回	塊	壊	廻	快	怪	悔
189	恢	懐	戒	拐	改					
190		魁	晦	械	海	灰	界	皆	絵	芥
191	蟹	開	階	貝	碍	蓋	街	該	鎧	骸
192	慨	概	涯	碍	蓋	蛎	鈎	劃	嚇	各
193	馨	蛙	垣	柿	蛎	殻	獲	確	穫	覚
194	拡	撹	格	核	殻	郭	学	岳	楽	額
195	赫	較	郭	闊	隔	革	鰍	潟	割	且
196	顎	掛	笠	樫	橿	葛	褐	轄	浦	釜
197	恰	括	活	渇	滑	葛	褐	轄	浦	釜
198	叶	椛	樺	鞄	株	兜	竈	蒲	釜	鎌
199	噛	鴨	栢	茅	萱					
200		粥	刈	苅	瓦	乾	侃	冠	寒	刊
201	勘	勧	巻	喚	堪	姦	完	官	寛	干
202	幹	患	感	慣	憾	換	敢	柑	桓	棺
203	款	歓	汗	漢	澗	潅	環	甘	監	看
204	竿	管	簡	緩	缶	翰	肝	艦	莞	観
205	諫	貫	還	鑑	間	閑	関	陥	韓	館
206	舘	丸	含	岸	巌	玩	癌	眼	岩	翫
207	贋	雁	頑	顔	願					
207	き									
207					企	伎	危	喜	器	
208	基	奇	嬉	寄	岐	希	幾	忌	揮	机
209	旗	既	期	棋	棄					
210		機	帰	毅	気	汽	畿	祈	季	稀
211	紀	徽	規	記	貴	起	軌	輝	飢	騎
212	鬼	亀	偽	儀	妓	宜	戯	技	擬	欺
213	犠	疑	祇	義	蟻	誠	議	掬	菊	鞠
214	吉	吃	喫	桔	橘	詰	砧	杵	黍	却
215	客	脚	虐	逆	丘	久	仇	休	及	吸
216	宮	弓	急	救	朽	汲	旧	泣	灸	球
217	究	窮	笈	級	糾	給	旧	牛	去	居
218	巨	拒	拠	挙	渠	虚	許	距	鋸	漁
219	禦	魚	亨	享	京					
220		供	侠	僑	兇	競	共	凶	協	匡
221	卿	叫	喬	境	峡	強	彊	怯	恐	恭
222	挟	教	橋	況	狂	狭	矯	胸	脅	興

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
223	蕎	郷	鏡	響	饗	驚	仰	凝	尭	暁
224	業	局	曲	極	玉	桐	粁	僅	勤	均
225	巾	錦	斤	欣	欽	琴	禁	禽	筋	緊
226	芹	菌	衿	襟	謹	金	吟	銀		
	く									
226										九
227	倶	句	区	狗	玖	矩	苦	躯	駆	駈
228	駒	具	愚	虞	喰	空	偶	寓	遇	隅
229	串	櫛	釧	屑	屈					
230		掘	窟	沓	靴	轡	窪	熊	隈	粂
231	栗	繰	桑	鍬	勲	君	薫	訓	群	軍
232	郡									
	け									
232		卦	袈	祁	係	傾	刑	兄	啓	圭
233	珪	型	契	形	径	恵	慶	慧	憩	掲
234	携	敬	景	桂	渓	畦	稽	系	経	継
235	繋	罫	茎	荊	蛍	計	詣	警	軽	頚
236	鶏	芸	迎	決	劇	戟	撃	激	隙	桁
237	傑	欠	決	潔	穴	結	血	訣	月	件
238	倹	倦	健	兼	券	剣	喧	圏	堅	嫌
239	建		憲	懸	拳	捲				
240		検	権	牽	犬	献	研	硯	絹	県
241	肩	見	謙	賢	軒	遣	鍵	険	顕	験
242	鹸	元	原	厳	幻	弦	減	源	玄	現
243	絃	舷	言	諺	限					
	こ									
243				乎	個	古	呼	固		
244	姑	孤	己	庫	弧	弧	戈	湖	胡	狐
245	糊	袴	股	胡	菰	虎	誇	跨	鈷	雇
246	顧	鼓	五	互	伍	午	碁	呉	吾	娯	後
247	御	悟	梧	檎	瑚	碁	語	誤	護	醐
248	乞	鯉	交	侯	候	倖	光	公	功	
249	効	勾	厚	坑	向					
250		后	喉	垢	好	孔	孝	宏	工	抗
251	巧	巷	幸	広	庚	康	弘	恒	慌	抗
252	拘	控	攻	昂	晃	更	杭	校	梗	構
253	江	洪	浩	港	溝	甲	皇	硬	稿	糠
254	紅	紘	絞	綱	耕	考	肯	肱	腔	膏
255	航	荒	行	衡	講	貢	購	郊	酵	鉱
256	砿	鋼	閤	降	項	香	高	鴻	剛	劫

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
257	号	合	壕	拷	濠	豪	轟	麹	克	刻
258	告	国	穀	酷	鵠	黒	獄	漉	腰	甑
259	忽	惚	骨	狛	込					
260		恨	昏	今	困	坤	墾	婚	恨	懇
261	昏	昆	根	梱	混	痕	紺	艮	魂	
	さ									
261										些
262	佐	叉	唆	嵯	左	差	査	沙	瑳	砂
263	詐	鎖	裟	坐	座	挫	才	債	催	再	最
264	哉	塞	妻	宰	彩	才	採	栽	歳	済
265	災	采	犀	砕	砦	祭	斎	細	菜	裁
266	載	際	剤	在	材	罪	財	冴	坂	阪
267	堺	榊	肴	咲	崎	埼	鷺	作	削	咲
268	咋	搾	昨	朔	柵	窄	策	索	錯	桜
269	鮭	笹	匙	冊	刷					
270		察	拶	撮	擦	札	殺	薩	雑	皐
271	鯖	捌	錆	鮫	皿	晒	三	傘	参	山	蚕
272	惨	撒	散	桟	燦	珊	産	算		纂	
273	讃	賛	酸	餐	斬	暫	残				
	し										
273								仕	仔	伺	
274	使	刺	司	史	嗣	四	士	始	姉	姿	
275	子	屍	市	師	志	思	指	支	孜	斯	
276	施	旨	枝	止	死	氏	獅	祉	私	弦	糸
277	紙	紫	肢	脂	至	視	詞	詩	試	誌	
278	諮	資	賜	雌	飼	歯	事	似	侍	児	
279	字	寺	慈	持	時						
280		次	滋	治	爾	璽	痔	磁	示	而	竺
281	耳	自	蒔	辞	汐	鹿	式	識	鳴	室	悉
282	軸	宍	雫	七	執	失	嫉	室	柴	芝
283	湿	漆	疾	質	実	篠	偲	柴		
284	屡	蕊	縞	舎	写	射	捨	赦	斜	煮
285	社	紗	者	謝	車	遮	蛇	邪	借	勺	弱
286	尺	杓	灼	爵	酌	釈	錫	若	寂	弱
287	惹	主	取	守	手	朱	殊	狩	珠	種
288	腫	趣	酒	首	儒	受	呪	寿	授	樹
289	綬	需	囚	収	周					
290		宗	就	州	修	愁	拾	洲	秀	秋
291	終	繍	習	臭	舟	蒐	衆	襲	讐	蹴
292	輯	週	酋	酬	集	醜	什	住	充	十

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
293	従	戎	柔	汁	渋	獣	縦	重	銃	叔
294	夙	宿	淑	祝	縮	粛	塾	熟	出	術
295	述	俊	峻	春	瞬	竣	舜	駿	准	循
296	旬	楯	殉	淳	準	潤	盾	純	巡	遵
297	醇	順	処	初	所	暑	曙	渚	庶	緒
298	署	書	薯	藷	諸	助	叙	女	序	徐
299	恕		鋤	除	傷	償				
300		勝	匠	升	召	哨	商	唱	嘗	奨
301	妾	娼	宵	将	小	少	尚	庄	床	廠
302	彰	承	抄	招	掌	捷	昇	昌	昭	晶
303	松	梢	樟	樵	沼	消	渉	湘	焼	焦
304	照	症	省	硝	礁	祥	称	章	笑	粧
305	紹	肖	菖	蒋	蕉	衝	裳	訟	証	詔
306	詳	象	賞	醤	鉦	鍾	鐘	障	鞘	上
307	丈	丞	乗	冗	剰	城	場	壌	嬢	常
308	情	擾	条	杖	浄	状	畳	穣	蒸	譲
309	醸	錠	嘱	埴	飾					
310		拭	植	殖	燭	織	職	色	触	食
311	蝕	辱	尻	伸	信	侵	唇	娠	寝	審
312	心	慎	振	新	晋	森	榛	浸	深	申
313	疹	真	神	秦	紳	臣	芯	薪	親	診
314	身	辛	進	針	震	人	仁	刃	塵	37
315	尋	甚	尽	腎	訊	迅	陣	靭		
	す									
315								笥	諏	
316	須	酢	図	厨	逗	吹	垂	帥	推	水
317	炊	睡	粋	翠	衰	遂	酔	錐	錘	随
318	瑞	髄	崇	嵩	数	枢	趨	雛	据	杉
319	椙	菅	頗	雀	裾					
320		澄	摺	寸						
	せ									
320				世	瀬	畝	是	凄	制	
321	勢	姓	征	性	成	政	整	星	晴	棲
322	栖	正	清	牲	生	盛	精	聖	声	製
323	西	誠	誓	請	逝	醒	青	静	斉	税
324	脆	隻	席	惜	戚	斥	昔	析	石	積
325	籍	績	脊	責	赤	跡	蹟	碩	切	拙
326	接	摂	折	設	窃	節	説	雪	絶	舌
327	蝉	仙	先	千	占	宣	専	尖	川	戦
328	扇	撰	栓	栴	泉	浅	洗	染	潜	煎

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
329	煽	旋	穿	箭	線					
330		繊	羨	腺	舛	船	薦	詮	賤	践
331	選	遷	銭	銑	閃	鮮	前	善	漸	然
332	全	禅	繕	膳	糎					
	そ									
332				噌	塑	岨	措	曾		
333	曽	楚	狙	疏	疎	礎	祖	租	粗	素
334	組	蘇	訴	阻	遡	鼠	僧	創	双	叢
335	倉	喪	壮	奏	爽	宋	層	匝	惣	想
336	捜	掃	挿	掻	操	早	曹	巣	槍	槽
337	漕	燥	争	痩	相	窓	糟	総	綜	聡
338	草	荘	葬	蒼	藻	装	走	送	遭	鎗
339	霜	騒	像	増	憎	曾				
340		臓	蔵	贈	造	促	側	則	即	息
341	捉	束	測	足	速	俗	属	賊	族	続
342	卒	袖	其	揃	存	孫	尊	損	村	遜
	た									
343	他	多	太	汰	詑	唾	堕	妥	惰	打
344	柁	舵	楕	陀	駄	騨	体	堆	対	耐
345	岱	帯	待	怠	態	戴	替	泰	滞	胎
346	腿	苔	袋	貸	退	逮	隊	黛	鯛	代
347	台	大	第	醍	醐	鷹	滝	瀧	坂	啄
348	宅	托	択	拓	沢	濯	琢	託	鐸	濁
349	諾	茸	凧	蛸	只					
350		叩	但	達	辰	奪	脱	巽	竪	辿
351	棚	谷	狸	鱈	樽	誰	丹	単	嘆	坦
352	担	探	旦	歎	淡	湛	炭	短	端	箪
353	綻	耽	胆	蛋	誕	鍛	団	壇	弾	断
354	暖	檀	段	男	談					
	ち									
354				値	知	地	弛	恥		
355	智	池	痴	稚	置	致	蜘	遅	馳	築
356	畜	竹	筑	蓄	逐	秩	窒	茶	嫡	着
357	中	仲	宙	忠	抽	昼	柱	注	虫	衷
358	註	酎	鋳	駐	樗	瀦	猪	苧	著	貯
359	丁	兆	凋	喋	寵					
360		帖	帳	庁	弔	張	彫	徴	懲	挑
361	暢	朝	潮	牒	町	眺	聴	脹	腸	蝶
362	調	諜	超	跳	銚	長	頂	鳥	勅	捗
363	直	朕	沈	珍	賃	鎮	陳			

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
	つ									
363								津	墜	椎
364	槌	追	鎚	痛	通	塚	栂	掴	槻	佃
365	漬	柘	辻	蔦	綴	鍔	椿	潰	坪	壷
366	嬬	紬	爪	吊	釣	鶴				
	て									
366				亭	低	停	偵			
367	剃	貞	呈	堤	定	帝	底	庭	廷	弟
368	悌	抵	挺	提	梯	汀	碇	禎	程	締
369	艇	訂	諦	蹄	逓					
370		邸	鄭	釘	鼎	泥	摘	擢	敵	滴
371	的	笛	適	鏑	溺	哲	徹	撤	轍	迭
372	鉄	典	填	天	展	店	添	纏	甜	貼
373	転	顛	点	伝	殿	澱	田	電		
	と									
373									兎	吐
374	堵	塗	妬	屠	徒	斗	杜	渡	登	菟
375	賭	途	都	鍍	砥	砺	努	度	土	奴
376	怒	倒	党	冬	凍	刀	唐	塔	塘	套
377	宕	島	嶋	悼	投	搭	東	桃	梼	棟
378	盗	淘	湯	涛	灯	燈	当	痘	祷	等
379	答	筒	糖	統	到					
380		董	蕩	藤	討	謄	豆	踏	逃	透
381	鐙	陶	頭	騰	闘	働	動	同	堂	導
382	憧	撞	洞	瞳	童	胴	萄	道	銅	峠
383	鴇	匿	得	徳	涜	凸	屯	督	禿	篤
384	独	読	栃	橡	凸	突	椴	届	鳶	苫
385	寅	酉	瀞	噸	屯	惇	敦	沌	豚	遁
386	頓	呑	曇	鈍						
	な									
386				奈	那	内	乍	凪		薙
387	謎	灘	捺	鍋	楢	馴	縄	畷	南	楠
388	軟	難	汝							
	に									
388			二	尼	弐	迩	匂	賑	肉	
389	虹	廿	日	乳	入					
390		如	尿	韮	任	妊	忍	認		
	ぬ～の									
390									濡	禰
391	祢	寧	葱	猫	熱	年	念	捻	撚	燃

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
392	粘	乃	廼	之	埜	嚢	悩	濃	納	能
393	脳	膿	農	覗	蚤					
	は									
393					巴		把	播	覇	杷
394	波	派	琶	破	婆	罵	芭	馬	俳	廃
395	拝	排	敗	杯	盃	牌	背	肺	輩	配
396	倍	培	媒	梅	楳	煤	狽	買	売	賠
397	陪	這	蝿	秤	矧	萩	伯	剥	博	拍
398	柏	泊	白	箔	粕	舶	薄	迫	曝	漠
399	爆	縛	莫	駁	麦					
400		函	箱	硲	箸	肇	筈	櫨	幡	肌
401	畑	畠	八	鉢	溌	発	醗	髮	伐	罰
402	抜	筏	閥	鳩	噺	塙	蛤	隼	伴	判
403	半	反	叛	帆	搬	斑	板	氾	汎	版
404	犯	班	畔	繁	般	藩	販	範	釆	煩
405	頒	飯	挽	晩	番	盤	磐	蕃	蛮	
	ひ									
405										匪
406	卑	否	妃	庇	彼	悲	扉	批	披	斐
407	比	泌	疲	皮	碑	秘	緋	罷	肥	被
408	誹	費	避	非	飛	樋	簸	備	尾	微
409	枇	毘	琵	眉	美					
410		鼻	柊	稗	匹	疋	髭	彦	膝	菱
411	肘	弼	必	畢	筆	逼	桧	姫	媛	紐
412	百	謬	俵	彪	標	氷	漂	瓢	票	表
413	評	豹	廟	描	病	秒	苗	錨	鋲	蒜
414	蛭	鰭	品	彬	斌	浜	瀕	貧	賓	頻
415	敏	瓶								
	ふ									
415				不	付	埠	夫	婦	富	冨	布
416	府	怖	扶	敷	斧	普	浮	父	符	腐
417	膚	芙	譜	負	賦	赴	阜	附	侮	撫
418	武	舞	葡	蕪	部	封	楓	風	葺	蕗
419	伏	副	復	幅	服					
420		福	腹	複	覆	淵	弗	払	沸	仏
421	物	鮒	分	吻	噴	墳	憤	扮	焚	奮
422	粉	糞	紛	雰	文	聞				
	へ									
422						丙	併	兵	塀	
423	幣	平	弊	柄	並	蔽	閉	陛	米	頁

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
424	僻	壁	癖	碧	別	瞥	蔑	箆	偏	変
425	片	篇	編	辺	返	遍	便	勉	娩	弁
426	鞭									
	ほ									
426		保	舗	鋪	圃	捕	歩	甫	補	輔
427	穂	募	墓	慕	戊	暮	母	簿	菩	倣
428	俸	包	呆	報	奉	宝	峰	峯	崩	庖
429	抱	捧	放	方	朋					
430		法	泡	烹	砲	縫	胞	芳	萌	蓬
431	蜂	褒	訪	豊	邦	鋒	飽	鳳	鵬	乏
432	亡	傍	剖	坊	妨	帽	忘	忙	房	暴
433	望	某	棒	冒	紡	肪	膨	謀	貌	貿
434	鉾	防	吠	頬	北	僕	卜	墨	撲	朴
435	牧	睦	穆	釦	勃	没	殆	堀	幌	奔
436	本	翻	凡	盆						
	ま									
436				摩	磨	魔	麻	埋	妹	
437	昧	枚	毎	哩	槙	幕	膜	枕	鮪	柾
438	鱒	桝	亦	俣	又	抹	末	沫	迄	侭
439	繭	麿	万	慢	満					
440		漫	蔓							
	み									
440			味	未	魅	巳	箕	岬	密	
441	蜜	湊	蓑	稔	脈	妙	粍	民	眠	
	む									
441										務
442	夢	無	牟	矛	霧	鵡	椋	婿	娘	
	め									
442										冥
443	名	命	明	盟	迷	銘	鳴	姪	牝	滅
444	免	棉	綿	緬	面	麺				
	も									
444					摸	模	茂	妄		
445	孟	毛	猛	盲	網	耗	蒙	儲	木	黙
446	目	杢	勿	餅	尤	戾	籾	貰	問	悶
447	紋	門	匁							
	や									
447				也	冶	夜	爺	耶	野	弥
448	矢	厄	役	約	薬	訳	躍	靖	柳	薮
449	鑓									

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
	ゆ									
449		愉	愈	油	癒					
450	諭	輸	唯	佑	優	勇	友	宥	幽	
451	悠	憂	揖	有	柚	湧	涌	猶	由	
452	祐	裕	誘	遊	邑	郵	雄	融	夕	
	よ									
452										予
453	余	与	誉	輿	預	傭	幼	妖	容	庸
454	揚	揺	擁	曜	楊	様	洋	溶	熔	用
455	窯	羊	耀	葉	蓉	要	謡	踊	遥	陽
456	養	慾	抑	欲	沃	浴	翌	翼	淀	
	ら									
456										羅
457	螺	裸	来	莱	頼	雷	洛	絡	落	酪
458	乱	卵	嵐	欄	濫	藍	蘭	覧		
	り									
458									利	吏
459	履	李	梨	理	璃					
460		痢	裏	裡	里	離	陸	律	率	立
461	律	掠	略	劉	流	溜	琉	留	硫	粒
462	隆	竜	龍	侶	慮	旅	虜	了	亮	僚
463	両	凌	寮	料	梁	涼	猟	療	瞭	稜
464	糧	良	諒	遼	量	陵	領	力	緑	倫
465	厘	林	淋	燐	琳	臨	輪	隣	鱗	麟
	る～れ									
466	瑠	塁	涙	累	類	令	伶	例	冷	励
467	嶺	怜	玲	礼	苓	鈴	隷	零	霊	麗
468	齢	暦	歴	列	劣	烈	裂	廉	恋	憐
469	漣	煉	簾	練	聯					
470		蓮	連	錬						
	ろ									
470				呂	魯	櫓	炉	賂	路	
471	露	労	婁	廊	弄	朗	楼	榔	浪	漏
472	牢	狼	篭	老	聾	蝋	郎	六	麓	禄
473	肋	録	論							
	わ									
473				倭	和	話	歪	賄	脇	惑
474	枠	鷲	亙	亘	鰐	詫	藁	蕨	椀	湾
475	碗	腕								
476										

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
477										
478										
479										
480		弍	丐	匹	丁	卅	丶	丼	丿	乂
481	乖	乘	亢	仂	个	豫	亳	仟	仍	仗
482	亟	仂	亢	京	仇	从	仗	他	佛	佐
483	伺	伸	佇	佶	侖	侏	倪	倘	倩	倩
484	侑	佯	佳	來	俐	俤	侯	俎	俄	俯
485	俑	俾	俚	伜	倡	倍	倔	倬	倩	倚
486	倅	倭	倣	倣	倍	倍	倔	倬	倭	倆
487	偃	偶	偽	偽	偕	偶	偶	偶	偶	偶
488	傀									
489										
490		僉	價	僵	僧	僨	僑	僥	僨	僭
491	僮	僧	僨	僵	僉	僞	僞	僞	僭	僭
492	僵	僵	僵	僵	僵	僵	僵	僵	僵	僵
493	兢	競	兩	兩	兪	冕	冀	冤	冦	冊
494	冏	冑	冑	冥	冕	冗	冠	冢	冢	冪
495	冫	冲	決	況	冰	凰	凵	刹	刹	刹
496	几	凭	凰	凰	凭	刮	刮	刮	刮	刮
497	刎	刮	刷	刷	刮	刹	刹	刹	刹	刹
498	刹	刹	剪	剪	剩	剩	剩	剩	剩	劍
499	劍	劍	劍	劈	劑	辨	辨	勁	勁	勁
500		辦	勉	勁	勁	勵	勁	勁	勁	勞
501	勳	勳	勦	勦	勦	勵	匹	卅	卉	匠
502	匈	甸	匐	匏	匕	匕	匕	匕	匕	匕
503	匚	匠	匱	匕	匹	匹	卄	匹	匹	匹
504	匹	區	卆	卻	卷	卷	卷	卷	卷	卷
505	厭	厭	厭	厭	厭	厭	厭	厭	厭	厭
506	叭	吻	吶	吶	吶	吶	吶	吶	吶	吶
507	吩	咒	咄	咄	咄	咄	咄	咄	咄	咸
508	咬	哈	哈	哈	哈	哈	哈	哈	哈	哈
509	咥	咬	哄	哈	咤	咤	咤	哈	哈	哈
510		咫	哂	哂	咤	咤	咤	哥	哥	哥
511	唔	哽	哽	哮	哭	哭	哭	哭	哭	哭
512	哭	哭	哭	哭	哭	哭	哭	哭	哭	哭
513	哭	哭	哭	哭	哭	哭	哭	哭	哭	哭
514	哭	哭	哭	哭	哭	哭	哭	哭	哭	哭
515	哭	哭	哭	哭	哭	哭	哭	哭	哭	哭
516	哭	哭	哭	哭	哭	哭	哭	哭	哭	哭

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
517	嚀	嚆	嚠	嚠	嚠	嚠	嚠	嚠	嚠	嚠
518	嚠	嚠	嚠	嚠	嚠	嚠	嚠	嚠	嚠	嚠
519	囹	圄	圄	圄	圄	圄	圄	圄	圄	圄
520		圈	國	圓	圓	圓	圖	圖	圓	圓
521	圻	坐	坡	坡	坡	坡	坡	坡	坡	坡
522	坏	坐	坐	坐	坐	坐	坐	坐	坐	坐
523	坏	坏	坏	坏	坏	坏	坏	坏	坏	坏
524	坏	坏	坏	坏	坏	坏	坏	坏	坏	坏
525	墟	墟	墟	墟	墟	墟	墟	墟	墟	墟
526	墟	墟	墟	墟	墟	墟	墟	墟	墟	墟
527	墟	墟	墟	墟	墟	墟	墟	墟	墟	墟
528	夭	夭	夭	夭	夭	夭	夭	夭	夭	夭
529	奢	奢	奢	奢	奢	奢	奢	奢	奢	奢
530		妍	妍	妍	妝	妝	妝	妝	妝	妝
531	姜	姜	姜	姜	姜	姜	姜	姜	姜	姜
532	嫦	嫦	嫦	嫦	嫦	嫦	嫦	嫦	嫦	嫦
533	嫦	嫦	嫦	嫦	嫦	嫦	嫦	嫦	嫦	嫦
534	學	學	學	學	學	學	學	學	學	學
535	學	學	學	學	學	學	學	學	學	學
536	學	學	學	學	學	學	學	學	學	學
537	寶	寶	寶	寶	寶	寶	寶	寶	寶	寶
538	尹									
539										
540		屐	屐	屏	屏	屏	屏	屏	屏	屏
541	岑	岑	峙	峙	峙	峙	峙	峙	峙	峙
542	峙	峙	峙	峙	峙	峙	峙	峙	峙	峙
543	崗	崗	崗	崗	崗	崗	崗	崗	崗	崗
544	嶢	嶢	嶢	嶢	嶢	嶢	嶢	嶢	嶢	嶢
545	巔	巔	巔	巔	巔	巔	巔	巔	巔	巔
546	帑	帑	帑	帑	帑	帑	帑	帑	帑	帑
547	幟	幟	幟	幟	幟	幟	幟	幟	幟	幟
548	廁	廁	廁	廁	廁	廁	廁	廁	廁	廁
549										
550		廖	廖	廖	廖	廖	廖	廖	廖	廖
551	廬	廬	廬	廬	廬	廬	廬	廬	廬	廬
552	彝	彝	彝	彝	彝	彝	彝	彝	彝	彝
553	彝	彝	彝	彝	彝	彝	彝	彝	彝	彝
554	徂	徂	徨	徨	徨	徨	徨	徨	徨	徨
555	徠	徠	徠	徠	徠	徠	徠	徠	徠	徠
556	憩	憩	憩	憩	憩	憩	憩	憩	憩	憩

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
557	怕	怫	怦	怏	怏	怏	怏	怒	怒	怒
558	怒	怒	怒	怒	怒	怒	怒	怒	怒	怒
559	悁	悍	悍	悍	悍	悍	悍	悍	悍	悍
560		惟	惟	惟	惟	惟	惟	惟	惟	惟
561	惠	惠	惠	惠	惠	惠	惠	惠	惠	惠
562	愆	愆	愆	愆	愆	愆	愆	愆	愆	愆
563	愍	愍	愍	愍	愍	愍	愍	愍	愍	愍
564	愴	愴	愴	愴	愴	愴	愴	愴	愴	愴
565	慴	慴	慴	慴	慴	慴	慴	慴	慴	慴
566	憩	憩	憩	憩	憩	憩	憩	憩	憩	憩
567	應	應	懷	懷	懷	懷	懷	懷	懷	懷
568	懺	懺	懺	懺	懺	懺	懺	懺	懺	戈
569	戎	戎	戎	戎	戎	戎	戎	戎	戎	戎
570		戛	戛	戛	戰	戰	戲	戰	扁	扎
571	扦	扣	扛	扠	扔	扔	扼	扦	扶	抒
572	抓	抖	抖	抖	抖	抖	抖	抖	拏	拿
573	拆	擔	拈	拜	拌	拌	拂	拇	拋	拉
574	挌	拮	搜	拱	拱	拱	拱	拱	捐	挾
575	捍	捉	捉	捙	捙	捙	捙	捙	捙	掏
576	掉	捉	捙	捙	捙	捙	捙	捙	揆	揆
577	揆	揆	揆	揆	揆	揆	揆	揆	揆	揆
578	攝	攝	攝	攝	攝	攝	攝	攝	攝	攝
579	撓	撓	撓	撓	撓	撓	撓	撓	撓	撓
580		擄	擄	擄	擇	擇	擇	擇	擇	擇
581	擇	擇	擇	擇	擇	擇	擇	擇	擇	擇
582	擺	擺	擺	擺	擺	擺	擺	擺	擺	擺
583	攵	攵	攵	攵	攵	攵	攵	攵	攵	攵
584	敲	敲	敲	敲	敲	敲	敲	敲	敲	敲
585	斷	斷	斷	斷	斷	斷	斷	斷	斷	斷
586	旡	旡	旡	旡	旡	旡	旡	旡	旡	旡
587	旡	旡	旡	旡	旡	旡	旡	旡	旡	旡
588	晟	晟	晟	晟	晟	晟	晟	晟	晟	晟
589	暨	暨	暨	暨	暨	暨	暨	暨	暨	暨
590		曄	曄	曄	曄	曄	曄	曄	曄	曄
591	曳	曳	曳	曳	曳	曳	曳	曳	曳	曳
592	朵	杁	杁	杁	杁	杁	杁	杁	杁	杁
593	杁	杁	杁	杁	杁	杁	杁	杁	杁	杁
594	枷	枷	枷	枷	枷	枷	枷	枷	枷	枷
595	柢	柢	柢	柢	柢	柢	柢	柢	柢	柢
596	桀	桀	桀	桀	桀	桀	桀	桀	桀	桀

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
597	梟	梏	梭	梔	條	梛	梃	檮	梹	桴
598	梵	梠	梓	椏	椏	椏	椏	椏	椏	椏
599	椢	椏	椏	椏	椏	椏	椏	椏	椏	椏
600		楫	楫	楫	楫	楫	楫	楫	楫	楫
601	棹	棠	棯	椨	椪	椪	椪	椪	椪	椪
602	楷	楷	楸	楫	楔	楔	楔	楔	楔	楔
603	楙	楙	楡	楢	楤	楤	楤	楤	楤	楤
604	榿	榿	榿	榿	榿	榿	榿	榿	榿	榿
605	榧	榧	榧	榧	榧	榧	榧	榧	榧	榧
606	樛	樛	樛	樛	樛	樛	樛	樛	樛	樛
607	樣	樣	樣	樣	樣	樣	樣	樣	樣	樣
608	橄	橄	橄	橄	橄	橄	橄	橄	橄	橄
609		橄	橄	橄	橄	橄	橄	橄	橄	橄
610		櫱	櫱	櫱	櫱	櫱	櫱	櫱	櫱	檬
611	櫑	櫟	櫟	櫟	櫟	櫟	櫟	櫟	櫟	櫟
612	櫪	櫪	櫪	櫪	櫪	櫪	櫪	櫪	櫪	櫪
613	歟	歟	歟	歟	歟	歟	歟	歟	歸	歹
614	殀	殄	殃	殍	殘	殯	殯	殯	殯	殯
615	殯	殯	殯	殺	殺	殺	殺	毋	毋	毋
616	毬	毫	毫	毬	毬	氈	氏	氏	氣	氛
617	氣	汕	汕	汕	汪	汪	沂	沂	沁	沁
618	沙	汗	汗	汝	汗	汗	泄	泄	泅	泗
619	泗	沂	沮	沱	沾	沾				
620		沮	沮	泛	泯	泡	泪	洩	衍	洶
621	洽	洸	洩	洵	洩	洩	洩	洩	洩	洩
622	浚	浹	浙	浙	涎	涕	濤	涅	淹	淹
623	涵	涵	淇	淦	涸	淆	淦	淞	淞	淨
624	淅	淺	淙	淤	淺	淪	淮	淇	淵	淨
625	渙	渙	渥	渾	渣	渙	湫	渙	渾	渙
626	湃	渺	涵	渤	滿	渝	渤	渤	渤	渤
627	滉	滉	滉	滑	滑	滑	滑	滑	滑	滑
628	溥	滂	滂	滇	頵	頵	灌	灌	滸	滸
629	滲	漱	滯	滯	漲	滌				
630		漾	漓	漓	澆	澎	澎	澀	澀	澀
631	潛	潛	潭	潭	潭	潘	潘	潘	潘	潘
632	澳	澳	澳	澤	澤	澤	澤	澤	濟	濟
633	濟	濟	濟	濟	濟	濟	濟	濟	濟	濟
634	瀏	瀏	瀛	瀛	瀛	瀛	瀛	瀛	瀛	瀛
635	瀛	瀛	灣	炙	炒	炯	炯	炬	炸	炳
636	炮	炮	烋	烝	烙	焉	烽	焜	焙	煥

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
637	熙	熙	煦	煢	煌	煖	煬	熏	燻	熄
638	煩	熨	熬	燗	熹	熾	燒	燉	燈	燎
639	燠	燬	燧	燵	燼	燼				
640		燹	燿	爍	爐	爛	爨	爭	爬	爰
641	爲	爻	爼	爿	牀	牽	牋	牋	牴	牒
642	犂	犁	犇	犒	犖	犢	犧	犹	犲	狃
643	狆	狀	狏	狐	狒	狗	狙	狙	狷	狸
644	狽	狾	猶	猶	猝	猗	猛	猟	獨	猪
645	獎	獏	默	獗	獪	獨	獰	獣	獵	獻
646	獺	珈	玻	珎	玻	珀	珪	珞	琉	瑠
647	琅	瑯	琥	珮	琲	琺	瑕	瑶	瑾	璃
648	璢	璃	瑜	瑩	璦	璢	璃			
649	璧	瓊	瓊	瓏	瓔	珏				
650		瓠	瓣	瓩	瓶	瓠	瓮	瓶	瓸	瓩
651	瓷	甄	甅	甌	瓲	甄	甅	甌	甅	甞
652	甦	甬	甲	畄	畄	畄	畄	畄	畄	畄
653	畄	畄	時	畄	畄	畄	畄	畄	畄	畄
654	畄	畄	畄	畄	畄	畄	畄	畄	畄	畄
655	畄	畄	畄	畄	畄	畄	畄	畄	畄	畄
656	畄	畄	畄	畄	畄	畄	畄	畄	畄	畄
657	畄	畄	畄	畄	畄	畄	畄	畄	畄	畄
658	畄	畄	畄	畄	畄	畄	畄	畄	畄	畄
659	畄	畄	畄	畄	畄	畄	畄	畄	畄	畄
660										
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First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
677	竊	竏	竓	竕	竓	竕	竓	竝	竏	竢
678	竦	竭	竰	笂	笏	笊	笆	笳	笘	笙
679	笞	笵	笨	笶	筐					
680			筐	笄	笋	笙	笘	笙	笙	笙
681	覓	笄	笄	笄	笄	笄	笄	笄	笄	笄
682	笥	笈	笥	笥	笥	笥	笥	笥	笥	笥
683	箴	箴	箴	箴	箴	箴	箴	箴	箴	箴
684	簇	簀	篇	篇	篇	篇	篇	篇	篇	篇
685	簟	簷	簫	簽	籤	籌	籬	籬	籬	籬
686	籟	籟	籟	籟	籟	籟	籟	籟	籟	籟
687	粭	粟	粟	粟	粟	粟	粟	粟	粟	粟
688	粟	粟	粟	粟	粟	粟	粟	粟	粟	粟
689	糲	糲	糲	糲	糲	糲	糲	糲	糲	糲
690			紂	紜	紐	紊	紂	紊	紂	紊
691	紂	紂	紂	紂	紂	紂	紂	紂	紂	紂
692	紂	紂	紂	紂	紂	紂	紂	紂	紂	紂
693	紂	紂	紂	紂	紂	紂	紂	紂	紂	紂
694	紂	紂	紂	紂	紂	紂	紂	紂	紂	紂
695	紂	紂	紂	紂	紂	紂	紂	紂	紂	紂
696	紂	紂	紂	紂	紂	紂	紂	紂	紂	紂
697	紂	紂	紂	紂	紂	紂	紂	紂	紂	紂
698	紂	紂	紂	紂	紂	紂	紂	紂	紂	紂
699	紂	紂	紂	紂	紂	紂	紂	紂	紂	紂
700										
701										
702										
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711										
712										
713										
714										
715										
716										

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
717	艷	艸	艾	芍	芝	芫	芟	芻	芬	苡
718	苣	苟	苒	苴	苳	苺	莓	范	行	卒
719	苞	茆	苜	茉	苙					
720		茵	茆	茨	菰	苞	茉	茆	荐	荅
721	茯	茫	茗	茘	莅	莊	莪	莟	莢	莖
722	茣	莎	莇	莊	莠	荀	荅	莚	莉	莉
723	莨	菴	萩	莠	菫	菰	菰	菰	菰	菰
724	菰	菰	菰	菰	菰	菰	菰	菰	菰	菰
725	菰	菰	菰	菰	菰	菰	菰	菰	菰	菰
726	菰	菰	菰	菰	菰	菰	菰	菰	菰	菰
727	菰	菰	菰	菰	菰	菰	菰	菰	菰	菰
728	菰	菰	菰	菰	菰	菰	菰	菰	菰	菰
729	菰	菰	菰	菰	菰	菰	菰	菰	菰	菰
730										
731										
732										
733										
734										
735										
736										
737										
738										
739										
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748										
749										
750										
751										
752										
753										
754										
755										
756										

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
757	謳	諛	謂	謇	謚	謚	謖	謚	謗	謠
758	謳	鞫	謦	謫	謾	謨	譁	譌	譏	譎
759	證	譖	譜	譚	譫					
760		譟	譽	譯	譴	譽	讀	讌	讎	讒
761	讓	讖	讙	讚	谺	豁	谿	豈	豌	豎
762	豐	豕	豢	豬	豸	豺	貂	貉	貅	貌
763	貔	豼	貘	戝	貭	貪	貿	貶	賈	賊
764	賤	賣	賚	賽	賺	賻	賸	賽	賽	賽
765	賽	賽	賽	賽	賽	賽	賽	賽	賽	賽
766	賽	賽	贈	贐	贔	贖	贖	贖	贖	贖
767	贖	贖	贖	贖	贖	贖	贖	贖	贖	贖
768	贖	贖	贖	贖	贖	贖	贖	贖	贖	贖
769	贖	贖	贖	贖	贖	贖	贖	贖	贖	贖
770		贖	贖	贖	贖	贖	贖	贖	贖	贖
771	贖	贖	贖	贖	贖	贖	贖	贖	贖	贖
772	贖	贖	贖	贖	贖	贖	贖	贖	贖	贖
773	贖	贖	贖	贖	贖	贖	贖	贖	贖	贖
774	贖	贖	贖	贖	贖	贖	贖	贖	贖	贖
775	贖	贖	贖	贖	贖	贖	贖	贖	贖	贖
776	贖	贖	贖	贖	贖	贖	贖	贖	贖	贖
777	贖	贖	贖	贖	贖	贖	贖	贖	贖	贖
778	贖	贖	贖	贖	贖	贖	贖	贖	贖	贖
779										
780										
781										
782										
783										
784										
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796										

Appendix 19

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
797	闈	闊	闊	濶	闃	闇	闌	闕	闔	闖
798	關	闡	闥	闢	阡	阨	阮	阯	陂	陌
799	陏	陋	陷	陜	陞					
800		陝	陟	陦	陲	陬	隍	隘	隕	隗
801	險	隧	隱	隲	隰	隴	隶	隸	隹	雎
802	雋	雉	雍	襍	雜	霍	雕	雹	霄	霆
803	霈	霓	霎	霑	霏	霖	霙	霤	霪	霭
804	霰	霹	霽	霾	靄	靈	靂	靉	靜	靠
805	靤	靦	靨	勒	靫	靱	靭	靺	鞅	靼
806	鞀	鞆	鞋	鞏	鞐	鞜	鞨	鞦	鞣	鞳
807	鞴	韃	韆	韈	韋	韜	韭	齏	韲	竟
808	韻	韵	頏	頌	頸	頤	頡	頷	頽	顆
809	顏	顋	顫	顯	顰					
810		顱	顴	顳	颪	颯	颱	颶	飄	飃
811	飆	飩	飫	餃	餉	餒	餔	餘	餡	餝
812	餞	餤	餠	餬	餮	餽	餾	饂	饉	饅
813	饐	饋	饑	饒	饌	饗	馗	馘	馥	馭
814	馮	馼	駟	駛	駝	駘	駑	駭	駮	駱
815	駲	駻	駸	騁	騏	騅	駢	騙	騫	騷
816	驅	驂	驀	驃	騾	驕	驍	驛	驗	驟
817	驢	驥	驤	驩	驫	骯	骨	骸	骼	髀
818	髏	髑	髓	體	髞	髟	髴	髣	髦	髯
819	髫	髮	髴	髱	髷					
820		髻	鬆	鬘	鬚	鬟	鬢	鬣	鬥	鬧
821	鬨	鬩	鬪	鬮	鬯	鬲	魄	魃	魏	魍
822	魎	魑	魘	魴	鮓	鮃	鮑	鮖	鮗	鮟
823	鮠	鮨	鮴	鯀	鯊	鮹	鯆	鯏	鯑	鯒
824	鯣	鯢	鯤	鯔	鯡	鰺	鯲	鯱	鯰	鰹
825	鯵	鰀	鰈	鰒	鰔	鰙	鰑	鰤	鰥	鰯
826	鰳	鰺	鰻	鰾	鱇	鰻	鰹	鱆	鱈	鱒
827	鱔	鱗	鱠	鱧	鱶	鳧	鳬	鳰	鴉	鴈
828	鴃	鴆	鴪	鴦	鶯	鶲	鴟	鴕	鴛	鴦
829	鴆	鴈	鴛	鴦	鴛					
830		鵝	鵞	鵝	鵝	鵝	鵝	鵝	鵝	鵝
831	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝
832	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝
833	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝
834	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝
835	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝
836	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝	鵝

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9
837	黽	鼇	鼈	皷	鼕	齡	鼬	齟	齬	齊	齒	齷
838	齲	齶	齟	齬	齡	齦	齧	齩	齲	齷		
839	齲	齶	龕	龜	龠							
840		堯	槇	遙	瑤	凜	熙					

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9

First Three Digits	Last Digit 0	1	2	3	4	5	6	7	8	9

Weather Indicator List

Basic Status	
	Clear skies (day)
	Clear skies (night)
	Cloudy
	Rain
	Snow
	Thunder showers
0%	Chance of rain: 0%
10%	Chance of rain: 10%
20%	Chance of rain: 20%
30%	Chance of rain: 30%
40%	Chance of rain: 40%
50%	Chance of rain: 50%
60%	Chance of rain: 60%
70%	Chance of rain: 70%
80%	Chance of rain: 80%
90%	Chance of rain: 90%
100%	Chance of rain: 100%
	Then
	Partly/chance of

Pollen Count	
	Low
	Moderate
	High
	Extreme

Cherry Blossom	
	Flowering
	Almost full bloom
	Full bloom
	Beginning of petal fall

Fall Foliage	
	No color change
	Colors appearing
	Peak
	Defoliating

Ultraviolet	
	Low
	Moderate
	High
	Extreme

Typhoon	
	Forming
	Approaching
	Caution necessary

Disaster	
	Heavy rain
	Gale

Information	
	Notification

Specifications

SoftBank 931SH

Weight	Approximately 130 g
Continuous Talk Time	Approximately 250 minutes (3G) Approximately 230 minutes (GSM)
Continuous Standby Time	Approximately 340 hours (3G) Approximately 320 hours (GSM) (Slider closed)
Charging Time (power off)	AC Charger: Approximately 140 minutes In-Car Charger: Approximately 140 minutes
Dimensions (W x H x D)	Approximately 52 x 115 x 16 mm (Slider closed, without protruding parts)
Maximum Output	0.25 W (3G) 2.0 W (GSM)

- Above values calculated with battery installed.
- Continuous Talk Time is an average measured with a new, fully charged battery, with stable signals.
- Continuous Standby Time is an average measured with a new, fully charged battery, with Slider closed without calls or operations, in Standby with stable signals. In Japan (3G service area), the value is calculated with IP Service Setting, Decoration Call, S! Appli Notification Setting and Mobile Widget Notification Setting set to ***Off***.
- Talk Time/Standby Time may vary with environment, status, settings, etc.
- Display employs precision technology, however, some pixels may appear brighter/darker.

■ Handset Materials

Parts	Materials & Finishing
Housing (Display side, Keypad side, battery side), Battery Cover, camera cover	ABS resin/Acrylic UV curing painting (sealer: acrylic painting)
Housing (Display back)	Magnesium alloy, ABS, PC, urethane resin/ Acrylic baking finish (sealer: epoxy baking finish)
Slider stop damper (Display back)	Elastomeric resin
Lens cover, Mobile Light cover	Acrylic resin
Screw cover (Display back)	PET
Display window	Tempered glass
Infrared Port	ABS resin (infrared grade)
Antenna (for TV reception)	ABS resin/Brass/PA/ SUS/NiTi alloy/Piano wire/Elastomeric resin
Battery, Multi Selector, Mail Key, Yahoo! Keitai Key, Shortcuts & A/a Key, TV & Text Key, Start Key, Power On/Off Key, Clear/Back Key, Keypad	PC resin
Side Keys	PC resin/UV painting
Headphone Port Cover, External Device Port Cover	Elastomeric resin, PC resin/Acrylic UV curing painting (sealer: acrylic painting)
Charging Terminals	SUS/Gold plating (sealer: nickel)
Screw (all pieces)	SWCH16A/Ni plating

Accessory

■ Battery

Voltage	3.7V
Battery Type	Lithium-ion
Capacity	800 mAh
Dimensions (W x H x D)	Approximately 35.2 x 54.9 x 3.9 mm (without protruding parts)

Basic Operations

Standby Shortcut	30 per sheet

Text Entry

User Dictionary	250 entries (5 per reading) Word: 30 characters Reading: 8 hiragana
Acquire Dictionary	5 dictionaries
Paste List	10 text strings
Recoverable Deleted Characters	15,360 characters (messaging character entry limit)

Phone Book

Entry	1,000 entries
Name/Reading	Last/First: 32 characters each
Phone Number	5 numbers (32 digits each)
Mail Address	5 addresses (128 characters each)
Category	16 Categories
Address	Postal Code: 20 characters Country: 32 characters Others: 64 characters each
Office	32 characters per item
Homepage	1,024 bytes
Note	256 characters
Mail Groups	20 Groups (20 members each) Group name: 16 characters
S! Addressbook Back-up	Log: 10 Backup/Restore/ Synchronization records

Calling

Dialed Numbers	Dialed Numbers: 30 records Dialed Frequency: 10 records
Received Calls	30 records
Answer Phone/ Caller Voice	20 messages or 90 seconds
Auto Answer List	10 numbers
Decoration Call	100 KB including 20 characters

Messaging

Memory	Received Msg.	10 MB or 3,000 messages
	Drafts	5 MB (or 1,000 messages for Sent Messages)
	Sent Messages	
	Unsent Messages	
	Templates	100 MB (shared with Data Folder and S! Appli Library)
PC Mail/S! Mail Subject	512 single-byte characters	
PC Mail/S! Mail Message	Approximately 30,000 single-byte characters	
SMS Message	160 single-byte alphanumerics	
Auto Resend	2 times	
Attachment	20 files or 300 KB	
Send Reservation	10 messages	
Speed Dial/Mail	100 numbers/addresses	
Signature	256 single-byte characters	
Recipient	20 numbers/addresses	
Folder	20 folders (20 sort keys each)	
Chat Folder	Memory	300 messages per folder
	Folder	10 folders (20 members each)
Graphic Mail	1 sound or Flash® file, or 40 images/ My Pictograms (with 1 sound or Flash® file)	
3D Pictogram	150 characters	
Auto Reply	20 numbers/addresses (256 single-byte characters each)	
Anti Spam Measures	Individual	20 entries
	Permitted List	20 entries

■ PC Mail Settings

PC Mail Account	Account	3 accounts
	Account Name	20 characters
Set Receiving	User Name	128 characters
	Password	40 characters
	ReceivingServer	128 characters
	Port Number	1 to 65535
Set Sending	Sender Name	20 characters
	Mail Address	128 characters
PC Mail DL	Individual Address	20 addresses

Yahoo! Keitai & PC Site Browser

Download	Yahoo! Keitai	300 KB per page
	PC Site Browser	1 MB per file
History	300 pages	
URL Entry Log	10 URLs	
Bookmarks/ Saved Pages	100 pages	
Tab	3 tabs at one time	
Input Memory	20 entries	
Streaming History	20 URLs	
RSS Feeds	30 entries (60 KB per entry)	

Digital TV

Recorded File	ISDB-T mobile Video profile (SD-Video standard)	
Recording Time (example)	Handset	Approximately 30 minutes
	Memory Card	Approximately 80 minutes on 256 MB Memory Card
Marker	99 Markers (10 per file)	
Split File	99 portions per file	
Time Shift Recording	30 minutes	
Reservation List	5 entries (4 hours each on 1 GB Memory Card)	

Camera & Imaging

Mobile Camera

Effective Pixels	5.2 Megapixels
Auto Shut-off Time	Approximately 3 minutes

Photo Camera

Zoom	1x - 31x	
Record Size (W x H dots)	5M	1944 x 2592
	3M	1536 x 2048 (QXGA)
	Full HD	1080 x 1920
	2M	1200 x 1600 (UXGA)
	1.2M	960 x 1280 (Quad-VGA)
	Wallpaper	480 x 1024
	VGA	480 x 640
	Mail L	240 x 320 (QVGA)
	Mail S	120 x 160 (QQVGA)
Scanner Image Size (W x H dots)	Free, 1200 x 640, 480 x 1488, 1280 x 960	
File Format	JPEG	
Memory	Approximately 1,065 files with default settings	
File Name	yymmdd_hhmmss	
Recording Distance	Macro: 10 cm	
Face Auto Focus	VGA or larger	
Other	Use 40 KB or smaller transparent PNG files as Frames	

Video Camera

Zoom	1x - 15.9x (SubQCIF)	
Record Size (W x H dots)	Extended Video	864 x 480 (Wide)
		640 x 480 (VGA)
		320 x 240 (QVGA)
		240 x 176 (HQVGA)
		176 x 144 (QCIF)
		128 x 96 (SubQCIF)
	For Message	176 x 144 (QCIF)
		128 x 96 (SubQCIF)
File Format	3GP	
Recording Time per Shot	Extended Video	30 minutes* on Memory Card
	For Message	295 KB
File Name	yymmdd_hhmmss	
Recording Distance	1.5 m in good light	
Still Image Capture	3 images	
Recording Pause Supported	HQVGA or larger	

*Varies with handset usage, location or settings.

Editing Images

Picture Editor	Resize (W x H dots)	Wallpaper (480 x 1024) Power On/Off (480 x 1024) Incoming Call (320 x 320) Alarm (480 x 208) Pictogram (96 x 96) VGA (480 x 640) QVGA (240 x 320) Cut
	Retouch	52 x 52 dots or larger JPEG/PNG images
	Paste	16 characters
	Correction	52 x 52 dots or larger JPEG/PNG images
Composite	Merge Panorama	JPEG images between W 48 x H 64 dots and 240 x 320 dots

Media Player

Supported Formats	WMA (.wma), AAC (.mp4/.3gp/.m4a), Secure AAC (SD-Audio standard) (Some files may not play depending on sampling frequency and bit rate)

S! Applications

Memory	100 items or 100 MB (shared with Templates folder and other folders in Data Folder)
Remote Control	Approximately 5 m

Data Folder & Memory Card

Data Folder

Memory	100 MB (shared with Templates folder and S! Appli Library)

Memory Card

Backup File Name	yymmddXX* (XX: 2 digits/alphabets)

*yymmdd for Contents Keys.

PIM/Lifestyle Tools

Calendar*/ Tasks	300 entries, Subject: 32 characters Description: 128 characters Location: 16 characters Set Holiday: 10 holidays	
Alarms	5 entries, Subject: 9 characters	
Wakeup TV	Auto Shut-off	Approximately 30 minutes
Calculator	999,999,999,999	
Expenses Memo	30 entries (999,999.99 yen each)	
Osaifu-Keitai®	Remote Lock password: 5 - 16 single-byte alphanumerics	
Pretense Call	Name: 10 characters Phone Number: 17 digits	

*Preset holidays are based on Japanese calendar as of October 2008.

Clocks/Gauges Tools

Stopwatch	23 hours 59 minutes 59.9 seconds in 0.1-second increments Lap time: 4 records
Countdown Timer	60 minutes in 1-second increments
World Clock	City name: 16 characters

Doc./Rec. Tools

Dictionary	Meikyo Japanese Dictionary: Approximately 47,100 words/phrases Genius English-Japanese Dictionary: Approximately 45,700 words/phrases Genius Japanese-English Dictionary: Approximately 55,800 words/phrases	
Document Viewer	Supported Formats	PDF (.pdf) Microsoft® Excel® (.xls) Microsoft® Word (.doc) Microsoft® PowerPoint® (.ppt)
	File Size	10 MB
Notepad	500 entries (8,192 characters each)	
Voice Recorder	For Message	Approximately 3 minutes per file
	Extended Voice	99 hours 59 minutes 59 seconds
Scan Barcode (Continuous Mode)	UPC/JAN	50 codes
	QR Code	16 codes
Create QR Code	Equivalent of 513 digits, 311 alphanumerics or 131 kanji	
Scan Text	256 characters	

Entertainment

Widget	4 widgets (S! Quick News & S! Friend's Status: 1, other: 3) per sheet
S! Quick News	Special: 1 item News Flash: 1 item General: 4 items
e-Books	Copy text strings of up to 20 characters

Communication Services

S! Loop

S! Loop List	5 items

S! Friend's Status

Member	30 members
My Status	Name: 7 characters Comment: 15 characters Status Label: 4 characters
Status Templates	Template name: 12 characters

S! Circle Talk

Participant	11 members
Speak Time	30 seconds each
Member List	30 entries (10 members per Group)

Connectivity

Infrared

Infrared Transfer	IrMC 1.1	
	Range	Within 20 cm
IrSS Transfer	Receive 2,500 KB or smaller JPEG images	

Bluetooth®

Communication System	Bluetooth® specification Ver. 2.0
Supported Profiles	Headset Profile Hands-Free Profile Dial-up Networking Profile Object Push Profile File Transfer Profile Basic Imaging Profile Advanced Audio Distribution Profile Audio/Video Remote Control Profile
Output	Bluetooth® Power Class 2
Range	Within 10 m
Device Search	16 devices
Pairing	32 devices
Device Name	16 characters
Printing	JPEG/PNG images

Network

Add Network	5 Networks Country/Network code: 3 digits Name: 25 single-byte characters

Reference URLs

SOFTBANK MOBILE Corp.

http://mb.softbank.jp/mb/en/

microSD™ Memory Card Compatibility

From PC (Japanese)
http://k-tai.sharp.co.jp/peripherals/sd_support.html
From Handset (Japanese)
http://shweb.sharp.co.jp/

S! Addressbook Back-up

http://mb.softbank.jp/mb/en/service/advanced/sab/

SVG-T

From Handset (Japanese)
http://shweb.sharp.co.jp/svgt/index_pdc.html

Association for Promotion of Digital Broadcasting

From PC
http://www.dpa.or.jp/english/
From Handset (Japanese)
http://www.dpa.or.jp/1seg/k/

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■ PC Site Browser

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Warranty & Service

■ Warranty

Warranty is provided when you purchase handset.

- Check the name of distributor and date of purchase.
- Read contents and keep in a safe place.
- The warranty term is described in the warranty.

■ After-Sales Services

See **P.19-2** "Troubleshooting" before contacting SoftBank for service or repairs.

If you cannot find solutions or solve problems, contact SoftBank Customer Center, Customer Assistance (**P.19-34**) in your subscription area and provide a detailed description of the problem.

- Repairs within warranty are performed under terms and conditions described.
- Out of warranty, possible repairs are performed upon request at subscriber expense.

For other services, contact the distributor, the nearest SoftBank Shop or SoftBank Customer Center, General Information (**P.19-34**).

Replacement parts are available for 6 years after termination of production.

- SoftBank is not liable for any damages resulting from use of this product.
- SoftBank is not liable for any damages resulting from accidental loss/alteration of handset data. Keep a copy of Phone Book entries, etc. in a separate place.
- Disassembling or modifying handset may violate the Radio Law. Modified handset will not be repaired.

Customer Service

For SoftBank handset or service information, call General Information. For repairs, call Customer Assistance.

SoftBank Customer Centers
From a SoftBank handset, dial toll free at **157**
for General Information or **113** for Customer Assistance

SoftBank Global Call Center
From outside Japan, dial +**81-3-5351-3491**
(International charges apply.)

Call these numbers toll free from landlines.

Subscription Area	Service Center	Phone Number
Hokkaido, Aomori, Akita, Iwate, Yamagata, Miyagi, Fukushima, Niigata, Tokyo, Kanagawa, Chiba, Saitama, Ibaraki, Tochigi, Gunma, Yamanashi, Nagano, Toyama, Ishikawa, Fukui	General Information	0088-240-157
	Customer Assistance	0088-240-113
Aichi, Gifu, Mie, Shizuoka	General Information	0088-241-157
	Customer Assistance	0088-241-113
Osaka, Hyogo, Kyoto, Nara, Shiga, Wakayama	General Information	0088-242-157
	Customer Assistance	0088-242-113
Hiroshima, Okayama, Yamaguchi, Tottori, Shimane, Tokushima, Kagawa, Ehime, Kochi, Fukuoka, Saga, Nagasaki, Oita, Kumamoto, Miyazaki, Kagoshima, Okinawa	General Information	0088-250-157
	Customer Assistance	0088-250-113