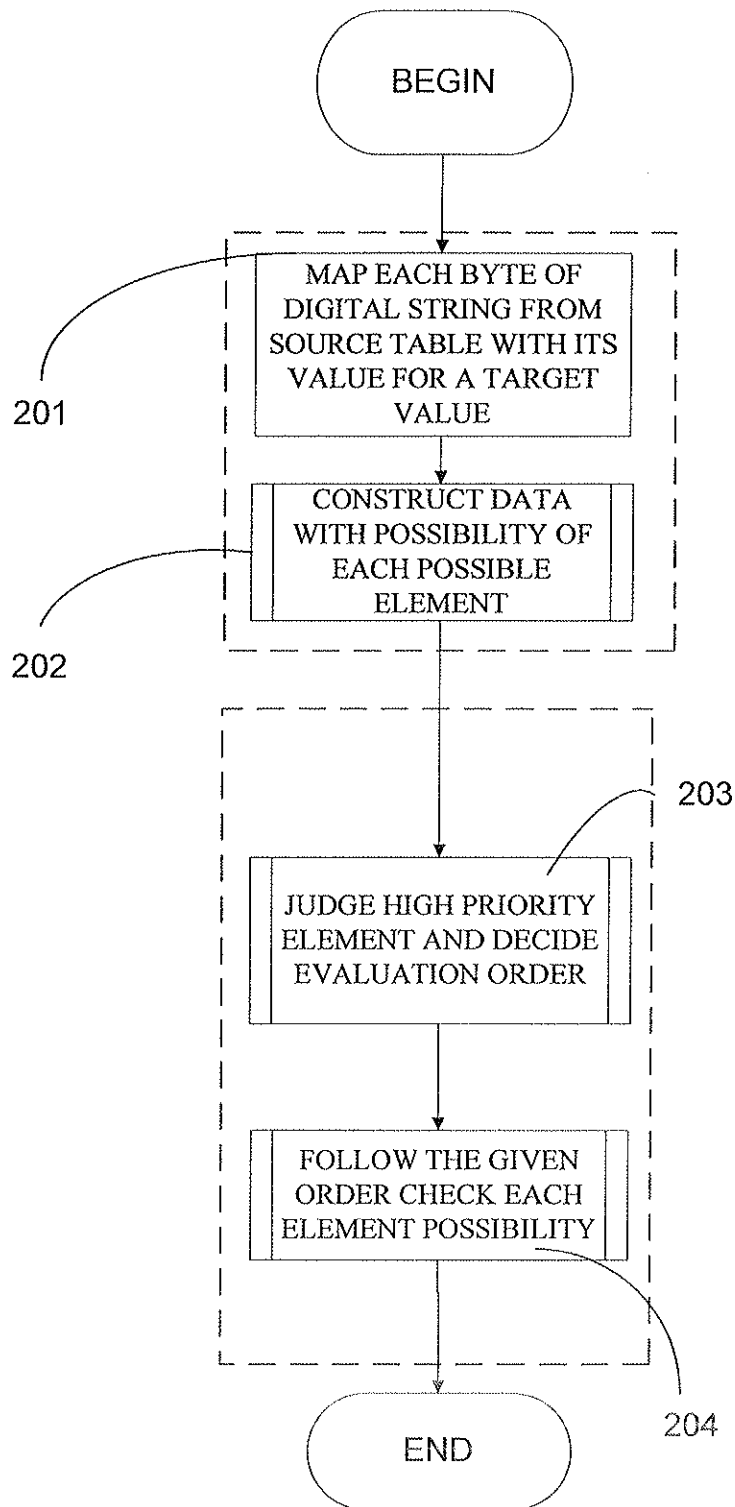




	UTF-16	GB	BIG5	SJIS	KEUC
天	0x5929	YES	YES	YES	YES
之	0x4E4B	YES	YES	YES	NO
驕	0x9A55	YES	YES	YES	YES
女	0x5973	YES	YES	YES	YES
容	0x5BB9	YES	YES	YES	YES
祖	0x7956	YES	YES	YES	YES
兒	0x5152	YES	YES	YES	YES

5 Figure 2. Unicode Example of CJK languages in each language zone.

天(之)驕女 容(祖)兒	Code-GB
天之驕女 容祖兒	Code-BIG5
(天)之驕女 容(祖)兒	Code-SJIS
天之(驕)女 容祖兒	Code-KEUC

Figure 3. Unicode Examples of CJK languages in different language writing styles.

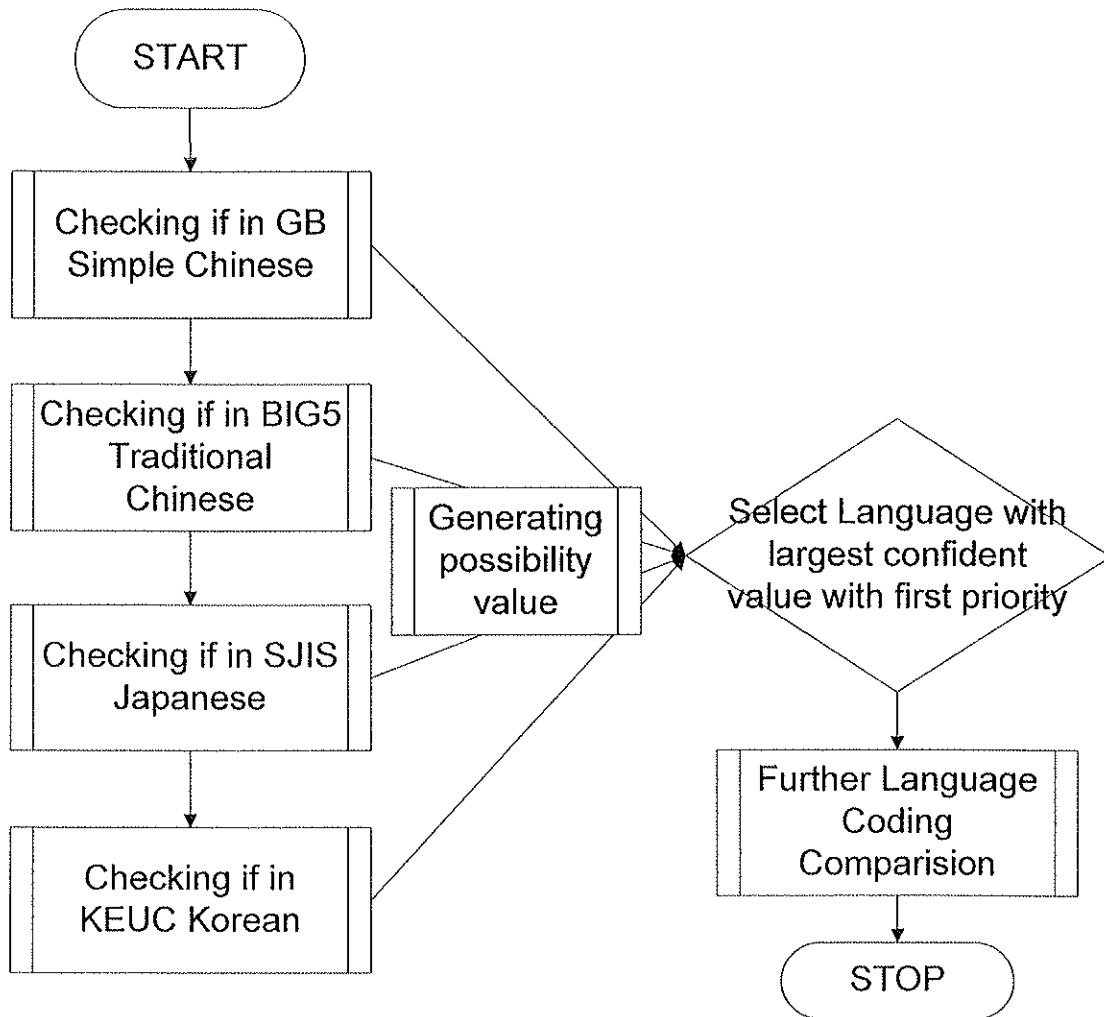


Figure 4. Detection Process

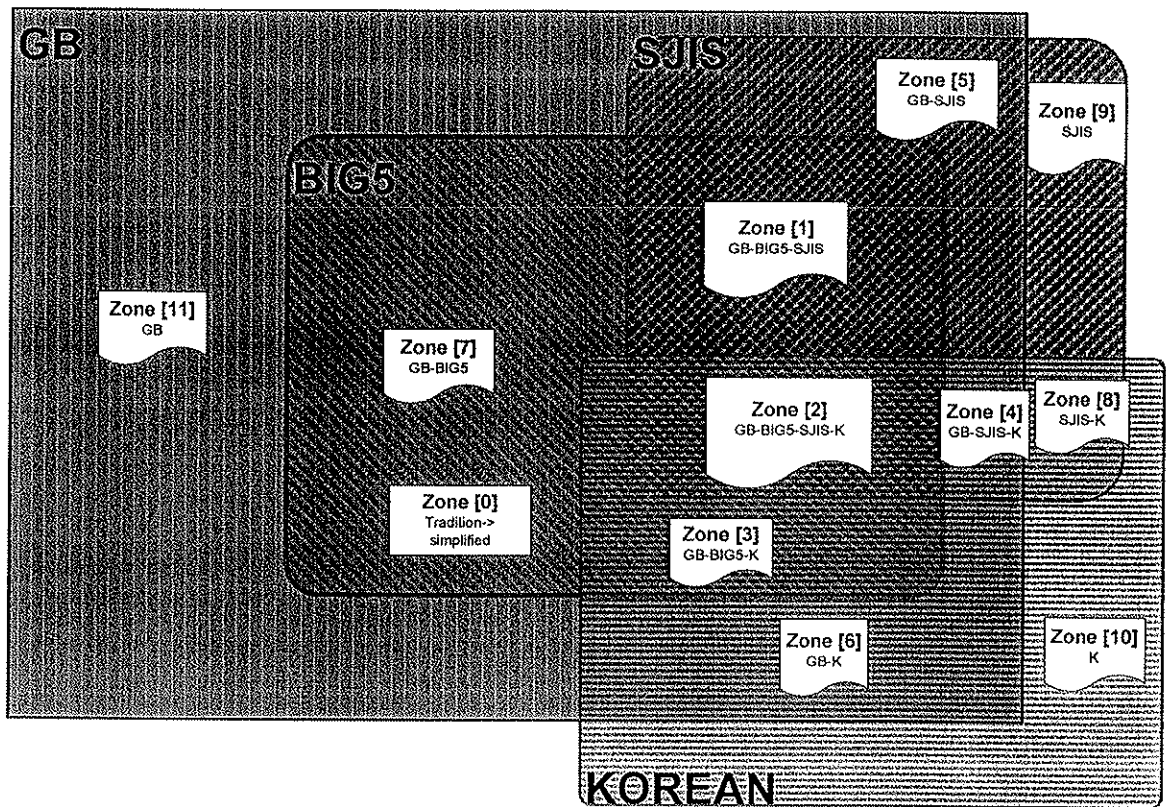


Figure 5. CJK language Unicode zone.

	SJIS	BIG5	GB	KEUC	UTF16	Zone
Bit Value	0	0	0	0	0	
	0	0	0	1	1	Zone 10
	0	0	1	0	2	Zone 11
	0	0	1	1	3	Zone 6
	0	1	0	0	4	
	0	1	0	1	5	
	0	1	1	0	6	Zone 7
	0	1	1	1	7	Zone 3
	1	0	0	0	8	Zone 9
	1	0	0	1	9	Zone 8
	1	0	1	0	A	Zone 5
	1	0	1	1	B	Zone 4
	1	1	0	0	C	
	1	1	0	1	D	
	1	1	1	0	E	Zone 1
	1	1	1	1	F	Zone 2

Figure 6. UTF-16 VALUE AND ZONE RANGE

Table format:

5	4 Byte	Unicode Character UTF-16 Value
	2 Byte	Attribute

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Figure 7. STRUCTURE OF MAPPING TABLE