

**Factory Default Manual Scanning**

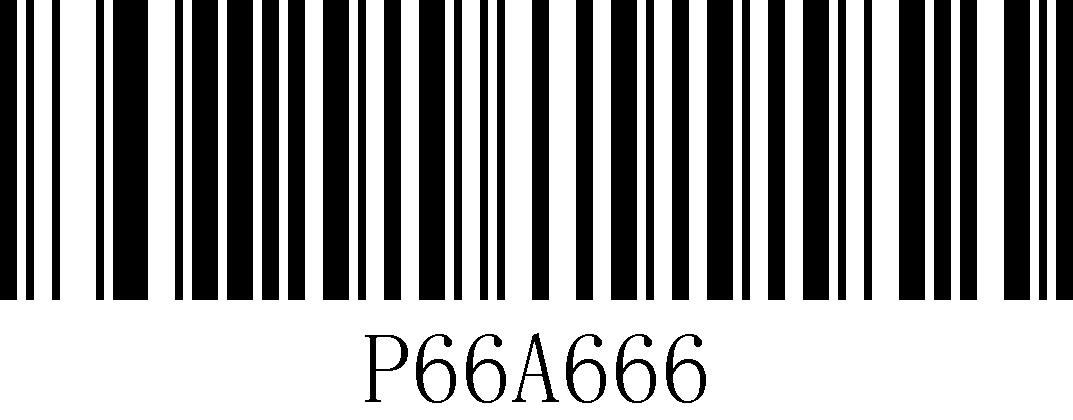
**Interfaces**



**USB Keyboard**



**USB COM**

****

**RS232**



**Add CR**



**Cancel CR**



**Add LF**



**Cancel LF**

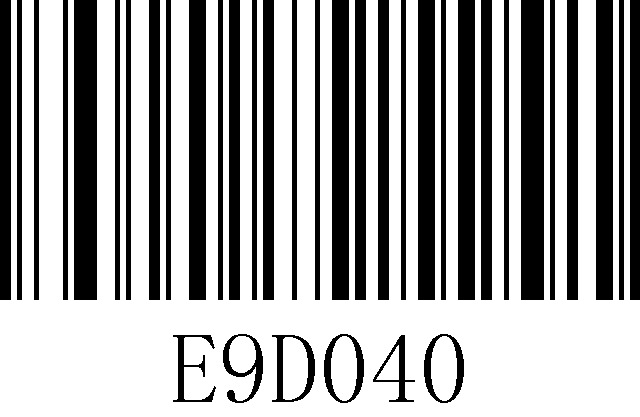


**\*Add CR&LF**

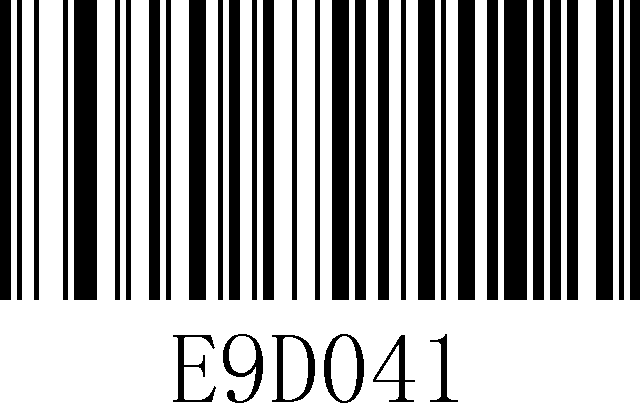


**Cancel CR&LF**

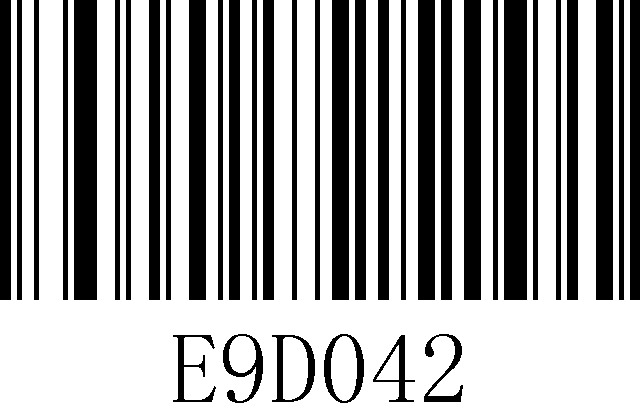
**Keyboard Languages**



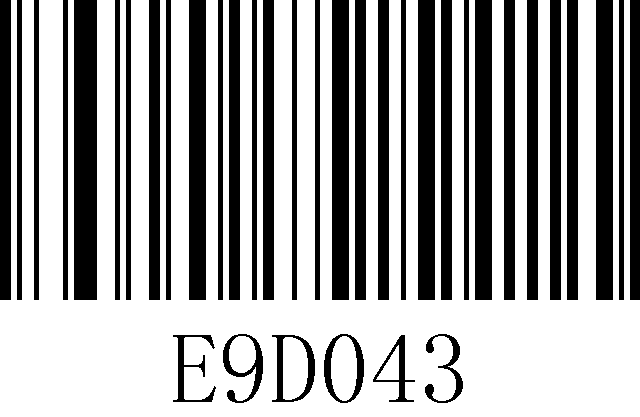
**Belgium**



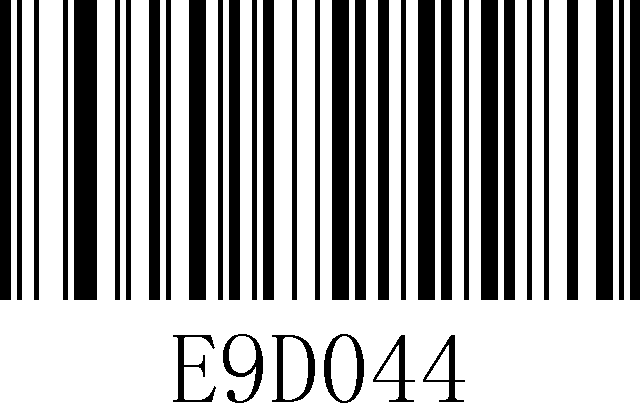
**UK**



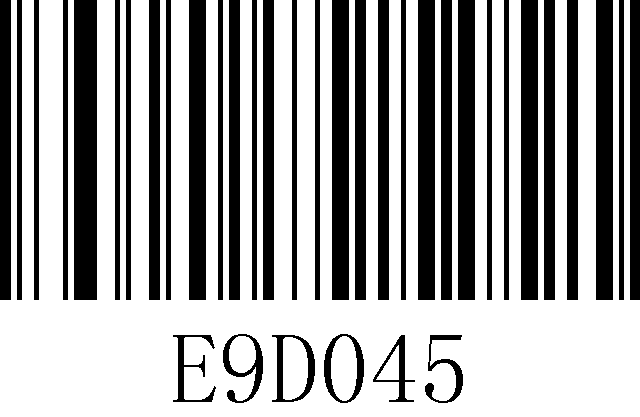
**France**



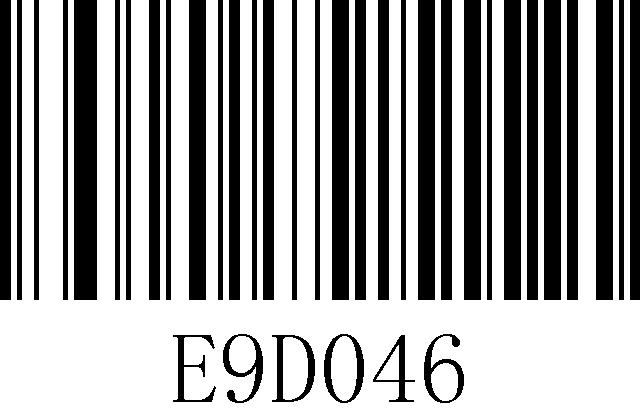
**German**



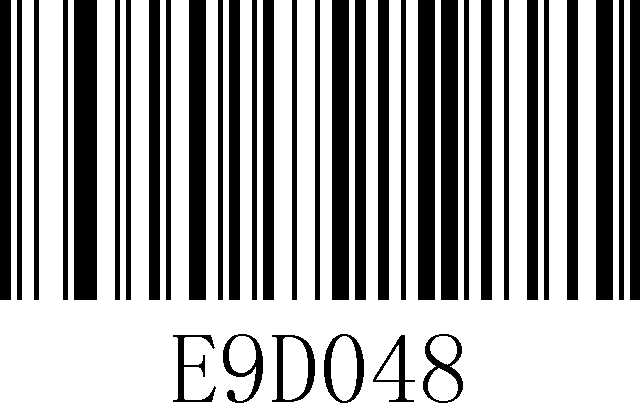
**Italy**



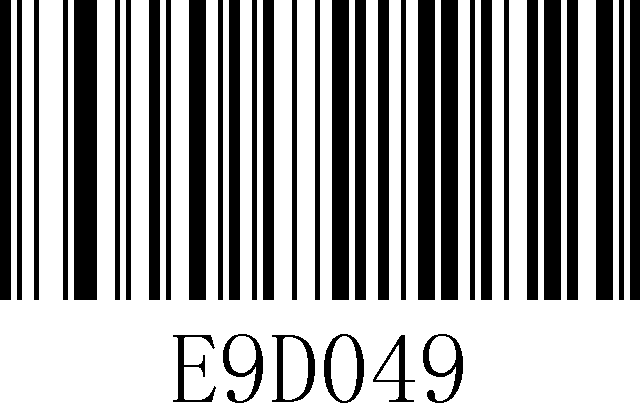
**Spain**



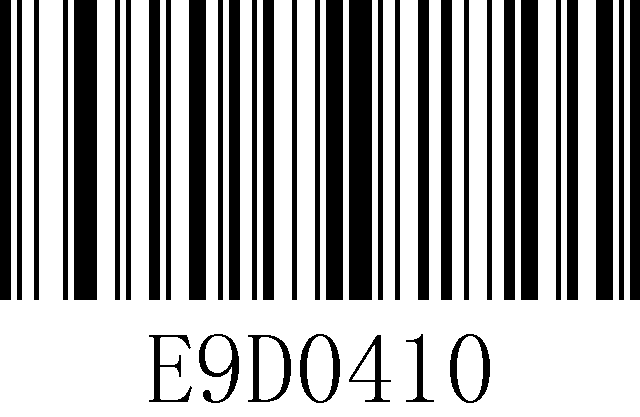
**USA**



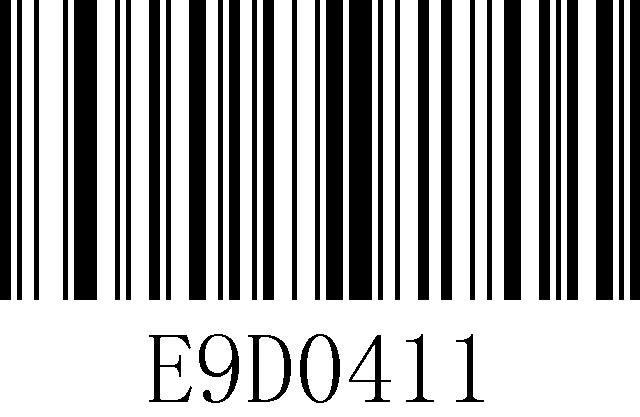
**Singapore**



**Salvador**



**Japan**



**Slerra Leone**



**Turkey**



**Russia**



**Hungary**



**All Lower Case**

****

**All Capital**

### 1. UPC/EAN



**\*Enable**



**Disable**

### 2. Codabar

****

**\*Enable**

****

**Disable**

### 3．Code39

****

**\*Enable**

****

**Disable**

### 4. Full ASCII Code39

****

**Enable**

****

**Disable**

### 5．Interleaved 2 of 5

****

**\*Enable**

****

**Disable**

### 6. Code93

****

**Enable**

****

**\*Disable**

### 7.Straight 2 of 5 Industrial

****

**Enable**

****

**\*Disable**

### 8.Code 11

****

**Enable**

****

**\*Disable**

### 9. Code 128

****

**\*Enable**

****

**Disable**

### 10. UPC-A

****

**\*Enable**

****

**Disable**

****

**UPC-E Convert to EAN 13**

### 11. EAN-13

****

**\*Enable**

****

**Disable**

### 12. EAN-8

****

**\*Enable**

****

**Disable**

### 13. MSI

****

**Enable**

****

**\*Disable**

### 14. GS1 DataBar Omnidirectional

****

**Enable**

****

**\*Disable**

### 15. GS1 DataBar Limited

****

**Enable**

****

**\*Disable**

### 16. GS1 DataBar Expanded

****

**Enable**

****

**\*Disable**

### 17. Trioptic Code

****

**Enable**

****

**\*Disable**

### 18. Codablock A

****

**Enable**

****

**\*Disable**

### 19. Codablock F

****

**Enable**

****

**\*Disable**

### 20. PDF417

****

**\*Enable**

****

**Disable**

### 21. MicroPDF417

****

**Enable**

****

**\*Disable**

### 22. QR Code

****

**\*Enable**

****

**Disable**

### 23. Mico QR Code

****

**Enable**

****

**\*Disable**

### 24. Data Matrix Code

****

**Enable**

****

**\*Disable**

### 25. Aztec Code

****

**Enable**

****

**\*Disable**

### 26. Matrix 2 of 5



**Enable**

****

**\*Disable**

### 27. Code 32



**Enable**



**\*Disable**

**Add prefix/suffix (add at most 10 characters respectively)**

**Add prefix instruction：**

For Example: Add one byte prefix, byte character is "®", the corresponding ASCII decimal number is 174

1. Use scanner to read “Enter/Exit Configuration Mode”
2. Use scanner to read “Prefix 1 Byte”
3. Use scanner to read bytecode value “1”，“7”，“4”in order
4. Use scanner to read “Enter/Exit Configuration Mode”

**Add suffix instruction：**

For Example: Add one byte prefix, byte character is "$", the corresponding ASCII decimal number is 036

1, Use scanner to read “Enter/Exit Configuration Mode”

2, Use scanner to read “Suffix 1 Byte”

3, Use scanner to read bytecode value “0”，“3”，“6”in order

4, Use scanner to read “Enter/Exit Configuration Mode”

**Add multi-bytes prefix instruction：**

1, Use scanner to read “Enter/Exit Configuration Mode”

2, Use scanner to read “Prefix 1 Byte”

3, Use scanner to read bytecode value of the first byte in order

4, Use scanner to read “Prefix 2 Bytes”

5, Use scanner to read bytecode value of the second byte in order

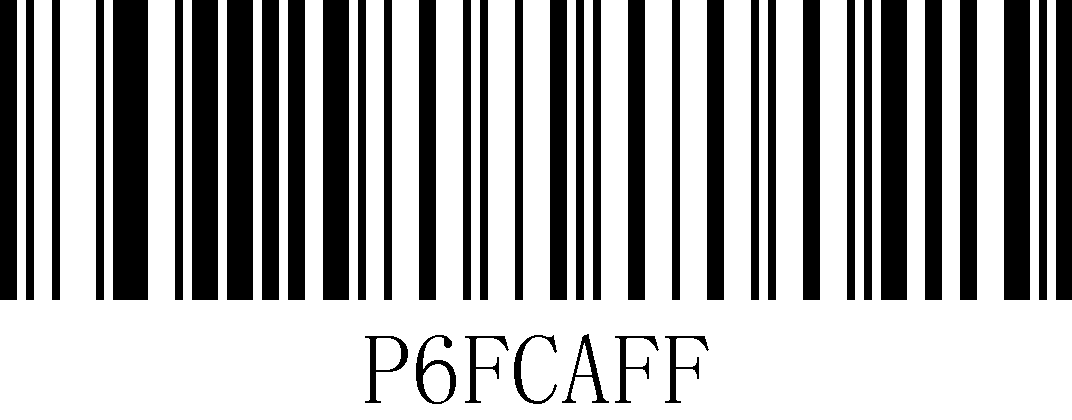
6, Repeat steps 4&5 for more prefix byte

7, Use scanner to read “Enter/Exit Configuration Mode”

**Add multi-bytes suffix instruction is the same with prefix**

****

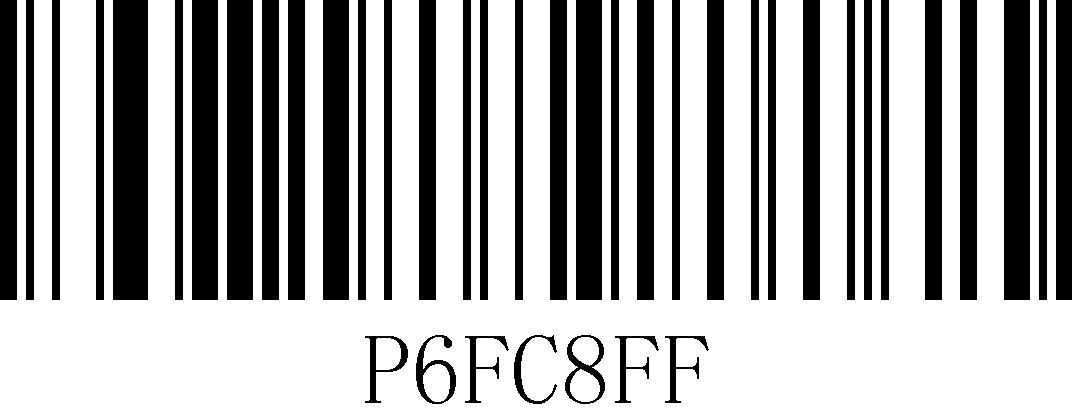
Enter/Exit Configuration Mode

****

**Prefix 1 byte**

****

**Prefix 2 bytes**

****

**Prefix 3 bytes**

****

**Prefix 4 bytes**

****

**Prefix 5 bytes**

****

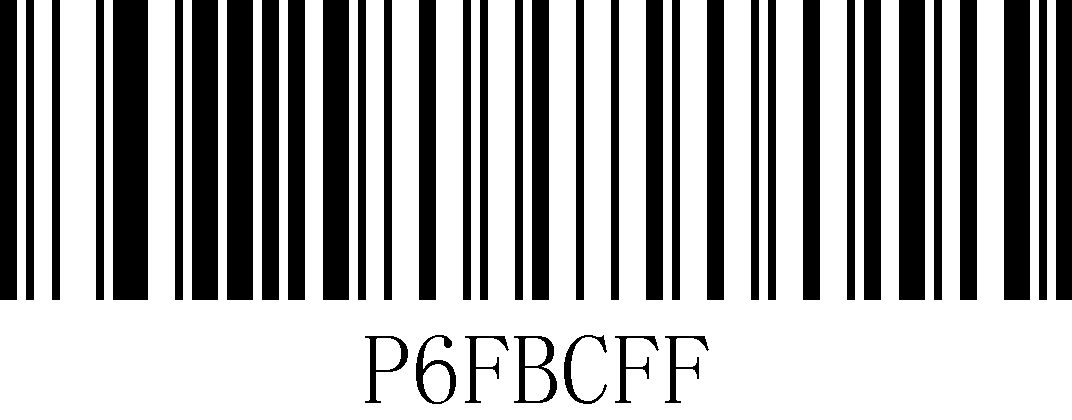
**Prefix 6 bytes**

****

**Prefix 7 bytes**

****

**Prefix 8 bytes**

****

**Prefix 9 bytes**

****

**Prefix 10 bytes**

****

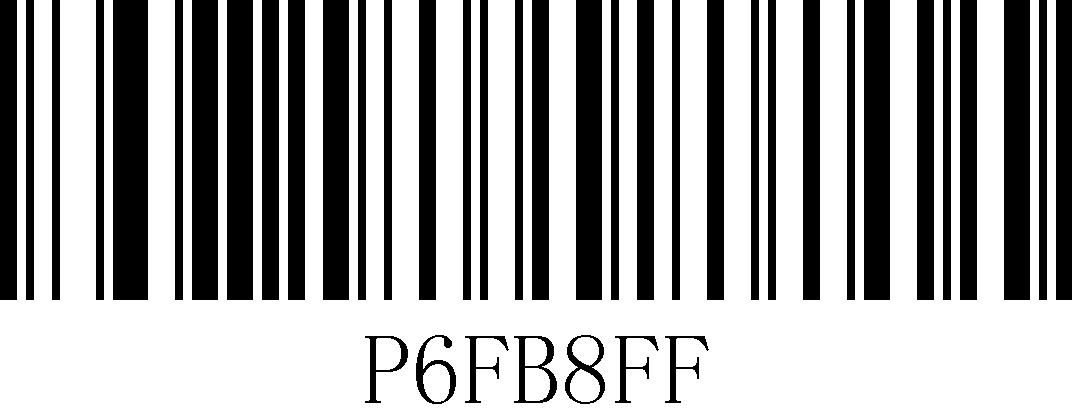
**Clear All Prefix**

****

**Suffix 1 byte**

****

**Suffix 2 bytes**

****

**Suffix 3 bytes**

****

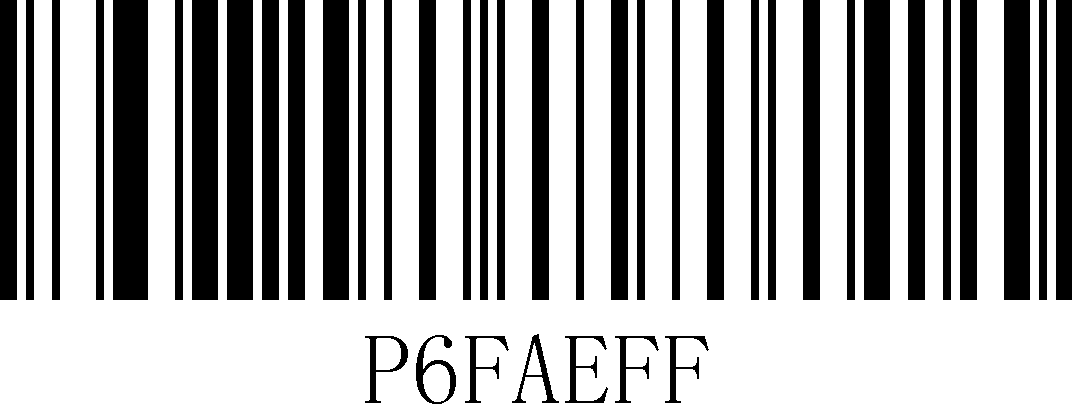
**Suffix 4 bytes**

****

**Suffix 5 bytes**

****

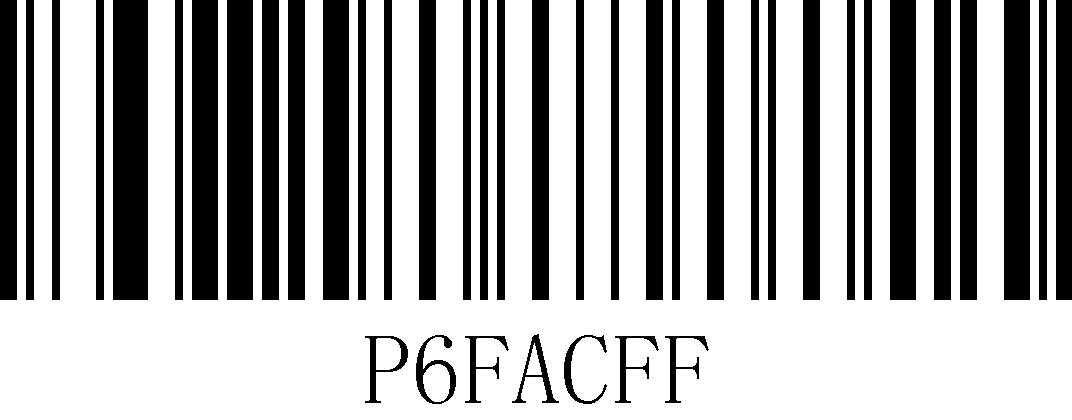
**Suffix 6 bytes**

****

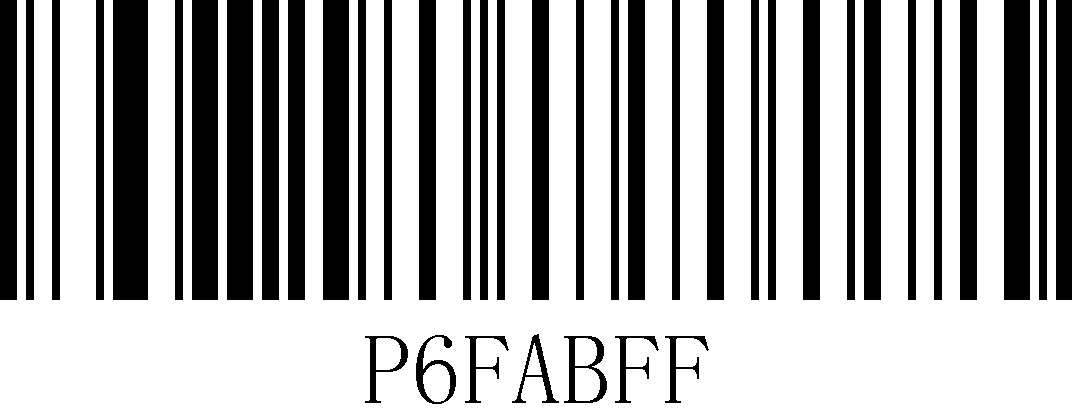
**Suffix 7 bytes**

****

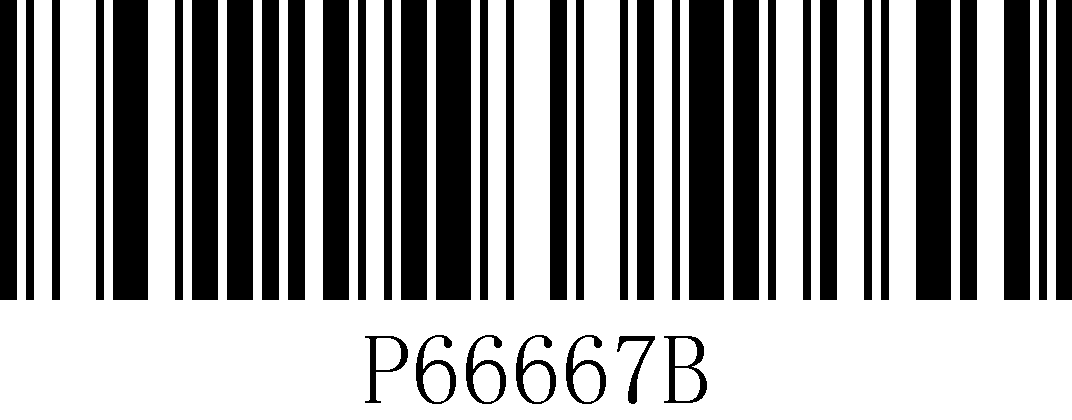
**Suffix 8 bytes**

****

**Suffix 9 bytes**

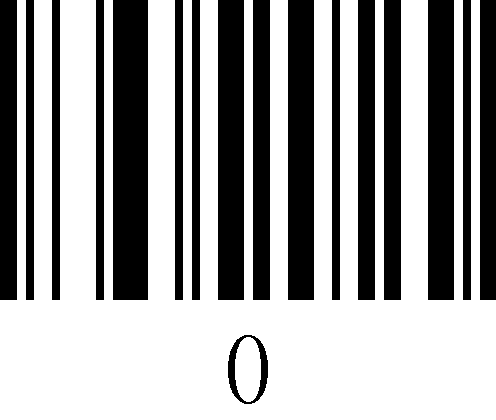
****

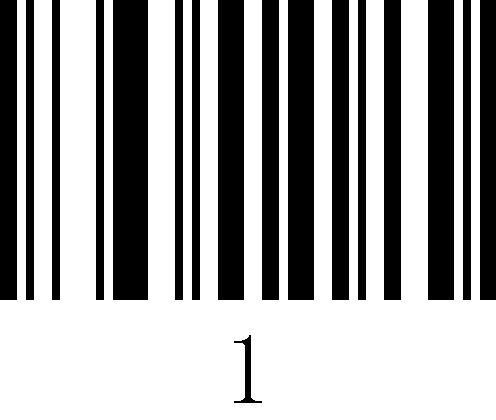
**Suffix 10 bytes**

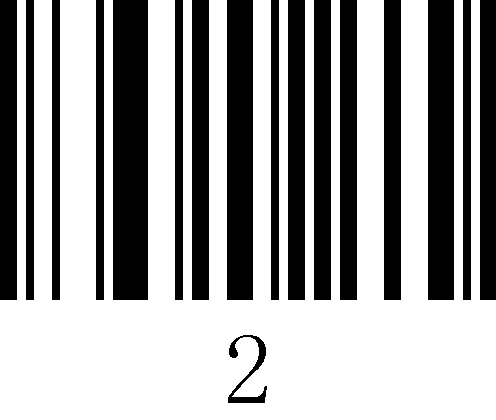
****

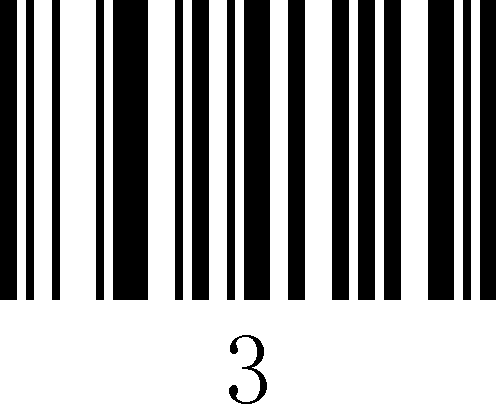
**Clear All Suffix**

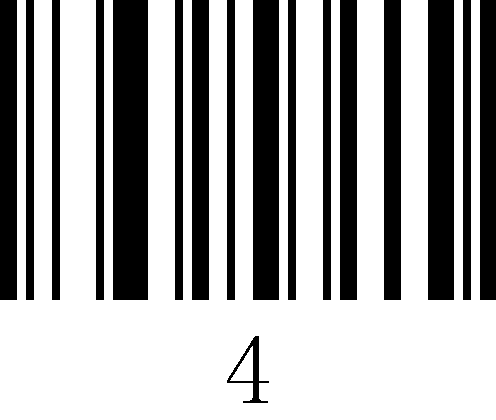
**Bytecode value (decimal)**

****

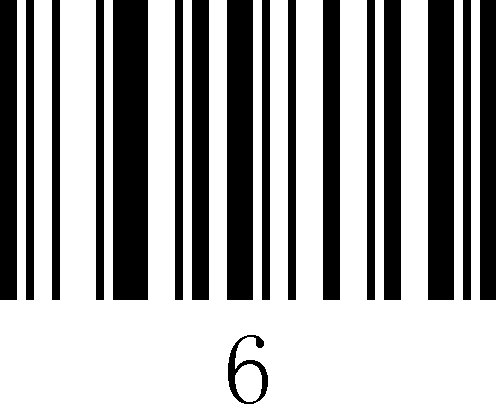
****

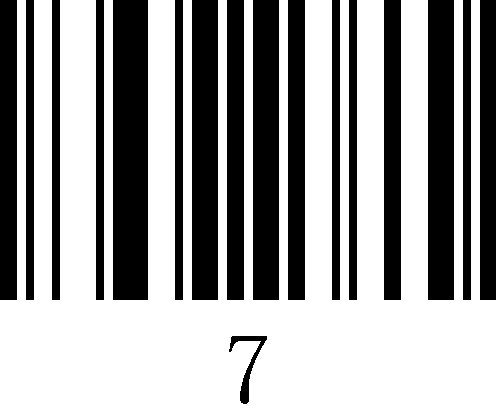
****

****

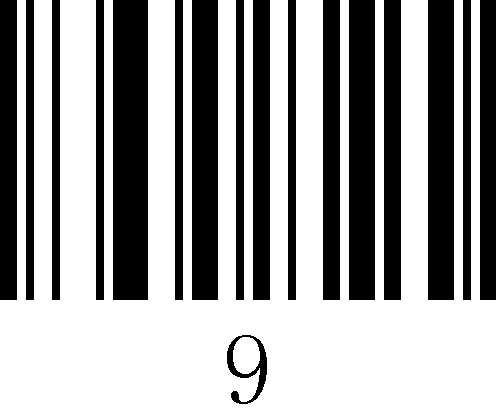
****

****

****

****

****

****

# ASCII Table

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Decimal number** | **Character** | **Decimal number** | **Character** | **Decimal number** | **Character** | **Decimal Number** | **Character** |
| **000** | **NUL** | **032** | **SP** | **064** | **@** | **096** | **‘** |
| **001** | **SOH** | **033** | **!** | **065** | **A** | **097** | **a** |
| **002** | **STX** | **034** | **"** | **066** | **B** | **098** | **b** |
| **003** | **ETX** | **035** | **#** | **067** | **C** | **099** | **c** |
| **004** | **EOT** | **036** | **$** | **068** | **D** | **100** | **d** |
| **005** | **ENQ** | **037** | **%** | **069** | **E** | **101** | **e** |
| **006** | **ACK** | **038** | **&** | **070** | **F** | **102** | **f** |
| **007** | **BEL** | **039** | **`** | **071** | **G** | **103** | **g** |
| **008** | **BS** | **040** | **(** | **072** | **H** | **104** | **h** |
| **009** | **HT** | **041** | **)** | **073** | **I** | **105** | **i** |
| **010** | **LF** | **042** | **\*** | **074** | **J** | **106** | **j** |
| **011** | **VT** | **043** | **+** | **075** | **K** | **107** | **k** |
| **012** | **FF** | **044** | **,** | **076** | **L** | **108** | **l** |
| **013** | **CR** | **045** | **－** | **077** | **M** | **109** | **m** |
| **014** | **SOH** | **046** | **.** | **078** | **N** | **110** | **n** |
| **015** | **SI** | **047** | **/** | **079** | **O** | **111** | **o** |
| **016** | **DLE** | **048** | **0** | **080** | **P** | **112** | **p** |
| **017** | **DC1** | **049** | **1** | **081** | **Q** | **113** | **q** |
| **018** | **DC2** | **050** | **2** | **082** | **R** | **114** | **r** |
| **019** | **DC3** | **051** | **3** | **083** | **S** | **115** | **s** |
| **020** | **DC4** | **052** | **4** | **084** | **T** | **116** | **t** |
| **021** | **NAK** | **053** | **5** | **085** | **U** | **117** | **u** |
| **022** | **SYN** | **054** | **6** | **086** | **V** | **118** | **v** |
| **023** | **ETB** | **055** | **7** | **087** | **W** | **119** | **w** |
| **024** | **CAN** | **056** | **8** | **088** | **X** | **120** | **x** |
| **025** | **EM** | **057** | **9** | **089** | **Y** | **121** | **y** |
| **026** | **SUB** | **058** | **:** | **090** | **Z** | **122** | **z** |
| **027** | **ESC** | **059** | **;** | **091** | **[** | **123** | **{** |
| **028** | **FS** | **060** | **<** | **092** | **\** | **124** | **|** |
| **029** | **GS** | **061** | **=** | **093** | **]** | **125** | **}** |
| **030** | **RS** | **062** | **>** | **094** | **^** | **126** | **~** |
| **031** | **US** | **063** | **?** | **095** | **\_** | **127** | **DEL** |

**ASCII extended character (CP-1252)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Decimal number** | **Character** | **Decimal number** | **Character** | **Decimal number** | **Character** | **Decimal number** | **Character** |
| **128** | **€** | **160** |  | **192** | **À** | **224** | **à** |
| **129** |  | **161** | **¡** | **193** | **Á** | **225** | **á** |
| **130** | **‚** | **162** | **¢** | **194** | **Â** | **226** | **â** |
| **131** | **ƒ** | **163** | **£** | **195** | **Ã** | **227** | **ã** |
| **132** | **„** | **164** | **¤** | **196** | **Ä** | **228** | **ä** |
| **133** | **…** | **165** | **¥** | **197** | **Å** | **229** | **å** |
| **134** | **†** | **166** | **¦** | **198** | **Æ** | **230** | **æ** |
| **135** | **‡** | **167** | **§** | **199** | **Ç** | **231** | **ç** |
| **136** | **ˆ** | **168** | **¨** | **200** | **È** | **232** | **è** |
| **137** | **‰** | **169** | **©** | **201** | **É** | **233** | **é** |
| **138** | **Š** | **170** | **ª** | **202** | **Ê** | **234** | **ê** |
| **139** | **‹** | **171** | **«** | **203** | **Ë** | **235** | **ë** |
| **140** | **Œ** | **172** | **¬** | **204** | **Ì** | **236** | **ì** |
| **141** |  | **173** |  | **205** | **Í** | **237** | **í** |
| **142** | **Ž** | **174** | **®** | **206** | **Î** | **238** | **î** |
| **143** |  | **175** | **¯** | **207** | **Ï** | **239** | **ï** |
| **144** |  | **176** | **°** | **208** | **Ð** | **240** | **ð** |
| **145** | **‘** | **177** | **±** | **209** | **Ñ** | **241** | **ñ** |
| **146** | **’** | **178** | **²** | **210** | **Ò** | **242** | **ò** |
| **147** | **“** | **179** | **³** | **211** | **Ó** | **243** | **ó** |
| **148** | **”** | **180** | **´** | **212** | **Ô** | **244** | **ô** |
| **149** | **•** | **181** | **µ** | **213** | **Õ** | **245** | **õ** |
| **150** | **–** | **182** | **¶** | **214** | **Ö** | **246** | **ö** |
| **151** | **—** | **183** | **·** | **215** | **×** | **247** | **÷** |
| **152** | **˜** | **184** | **¸** | **216** | **Ø** | **248** | **ø** |
| **153** | **™** | **185** | **¹** | **217** | **Ù** | **249** | **ù** |
| **154** | **š** | **186** | **º** | **218** | **Ú** | **250** | **ú** |
| **155** | **›** | **187** | **»** | **219** | **Û** | **251** | **û** |
| **156** | **œ** | **188** | **¼** | **220** | **Ü** | **252** | **ü** |
| **157** |  | **189** | **½** | **221** | **Ý** | **253** | **ý** |
| **158** | **ž** | **190** | **¾** | **222** | **Þ** | **254** | **þ** |
| **159** | **Ÿ** | **191** | **¿** | **223** | **ß** | **255** | **ÿ** |