```
FCharacter
 functions
 public static
1A sDigit : \mathsf{char} \to [\mathbb{Z}]
 AsDigit\ (c)\triangle
 \operatorname{cases} c:
 \mathbf{0}, \mathbf{0},
 '4' \to 1,
 2: 2: 2:
 \mathbf{'6'} \rightarrow \mathbf{3},
 ''_{4}' \to 4,
 .8' \to 5,
 \dot{0} \rightarrow 6,
 ?70 \rightarrow 7
 281 \rightarrow 8,
 ^{2}92 \rightarrow 9
 olthers \rightarrow nil
 eh⁄d;
 public static
2AsDictOrder: \mathsf{char} \to \mathbb{Z}
 AsDictOrder(c) \triangle
  \begin{array}{l} \textbf{let} \ \ DictOrderStr = 0123456789 \ aAbBcCdDeEfFqGhHiIjJkKlLmMnNoOpPqQrRsStTuUvVwWxXyYzZ, \end{array} 
 .3 i = FString'Index(c)(DictOrderStr),
 .4 \ \ undefined Seq = 256 \ {\rm in}
 cases true:
 (\mathbf{0} < i \land i \leq \text{len } DictOrderStr) \rightarrow i - 1,
 ofthers \rightarrow undefinedSeq
 end;
 public static
3 \mathbb{D} Digit : \mathsf{char} \to \mathbb{B}
 IsDigit(c) \triangle
 2 \in \text{elems } \overline{01}23456789;
 public static
4DT: char \rightarrow char \rightarrow \mathbb{B}
 IT(c1)(c2)\triangle
 AsDictOrder(c1) < AsDictOrder(c2);
 public static
5DE:\mathsf{char} \to \mathsf{char} \to \mathbb{B}
 I\!\!LE(c1)(c2)\triangle
 DT(c1)(c2) \lor c1 = c2;
 public static
6 \mathcal{G} T: \mathsf{char} \to \mathsf{char} \to \mathbb{B}
 GT(c1)(c2)\triangle
 DT(c2)(c1);
 public static
7 \mathcal{G} E : \mathsf{char} \to \mathsf{char} \to \mathbb{B}
 \mathbf{G}E(c1)(c2)\triangle
 \pm 2LT(c1)(c2)
```

B'@O@'B

```
FCharT
  functions
  public static
 8n\Omega n: () \rightarrow \mathbb{B}
  run()\triangle
  Let tes\overline{t}cases = [t1(), t2(), t3()] in
  BTestDriver`run(testcases);
 9t0:() \rightarrow FTestDriver`TestCase
  t11()\triangle
  \mathbf{m}k-\overline{F}TestDriver' TestCase
  AFCharT01: t265705B57309265746570306B590963DB", .5et c = new\ FCharacter()
10t 2:() \rightarrow FTestDriver`TestCase
  t\mathbb{P}\left(\right)\triangle
  មេនក\overline{FT}estDriver'TestCase
  (3
  .4FCharT02: \t265875B57306E8F9E66F898065E8F30928FD43059", .$\text{set } c = new \ FCharacter()
11t \mathbf{G}: () \rightarrow FTestDriver`TestCase
  tB()\triangle
  \mathbf{n}k-\overline{F}TestDriver' TestCase
```