

NAME

FcCharSetFirstPage - Start enumerating charset contents

SYNOPSIS

```
#include <fontconfig/fontconfig.h>
```

```
FcChar32 FcCharSetFirstPage (const FcCharSet *a, FcChar32[FC_CHARSET_MAP_SIZE] map, FcChar32 *next)
```

DESCRIPTION

Builds an array of bits in *map* marking the first page of Unicode coverage of *a*. **next* is set to contain the base code point for the next page in *a*. Returns the base code point for the page, or FC_CHARSET_DONE if *a* contains no pages. As an example, if **FcCharSetFirstPage** returns 0x300 and fills *map* with

```
0xffffffff 0xffffffff 0x01000008 0x44300002 0xffffd7f0 0xfffffff7 0xffff7fff 0xffff0003
```

Then the page contains code points 0x300 through 0x33f (the first 64 code points on the page) because *map[0]* and *map[1]* both have all their bits set. It also contains code points 0x343 ($0x300 + 32 * 2 + (4 - 1)$) and 0x35e ($0x300 + 32 * 2 + (31 - 1)$) because *map[2]* has the 4th and 31st bits set. The code points represented by *map[3]* and later are left as an exercise for the reader ;).