Previous

```
취약한 문자열 연결 함수를 호출하기 전에 연결 URL을 저장할
247
248
                ((void (__usercall *)(unsigned int@<ecx>, wchar_t *, wchar_t *, int))custom_strncpy)(
 249
                                                                                              heap에 base URL 복사해서 저장함
 250
                 concatURL_addr,
 251
                 v47,
                 v46 + 1);
 252
253
 254
                 v31 = ((int (__usercall *)@<eax>(wchar_t *@<ecx>, char *, int))sub_25818D6E)(
255
 256
 257
                        (char *)concatURL_addr,
                                                                         ((void ( usercall *)(unsigned int@<ecx>, wchar_t *, wchar_t *, int))custom_strncpy)(
                        <sup>'</sup>/');
 258
                                                                           v41,
                 if ( v31 )
259
260
                   *(BYTE *)(v31 + 1) = 0;
                                                                           concatURL_addr,
 261
262
                   *(_BYTE *)concatURL_addr = 0;
                                                                           ٧47,
 263
                                                                           \vee 46 + 1);
 264
265
              if ( v58 )
266
267
                len_allocaddr = (int)custom_strlen((LPCSTR)concatURL_addr);
268
                ((void ( usercall *)(uintptr t@<ecx>, char *, char *, int))custom strncat)(
 269
                 v58 + 1,
                 (char *)concatURL_addr,
 270
 271
 272
                 v58 + 1 + len_allocaddr);
 273
```

Base URL

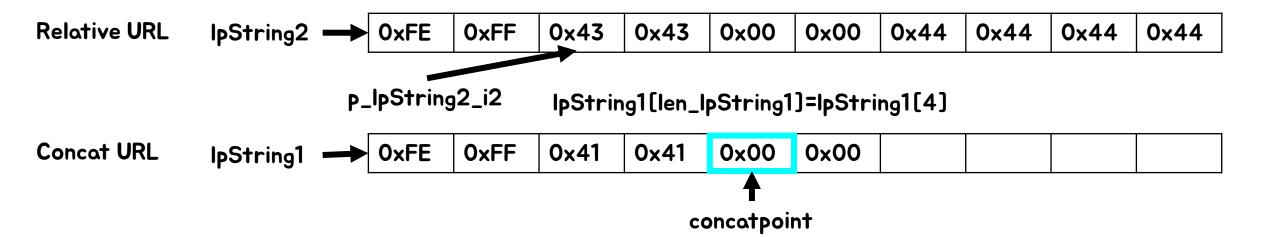
0xFE	0xFF	0x41	0×41	0x00	0x00	0x42	0x42	0x42	0x42
------	------	------	------	------	------	------	------	------	------

Concat URL

0xFE	0xFF	0x41	0x41	0x00	0x00		

len_lpString1:4

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



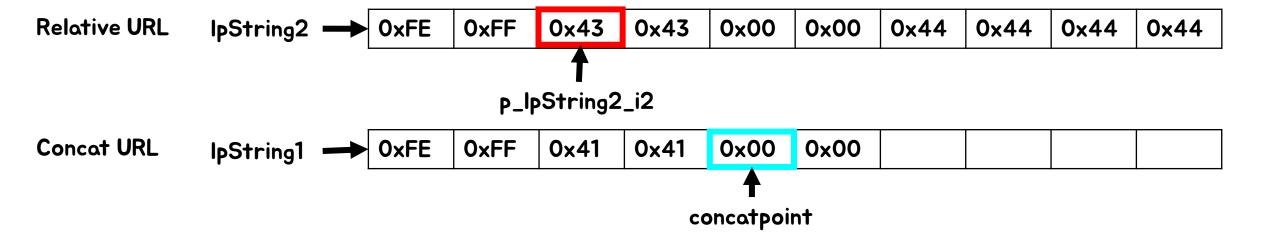
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x43

lpString2_i3:

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42

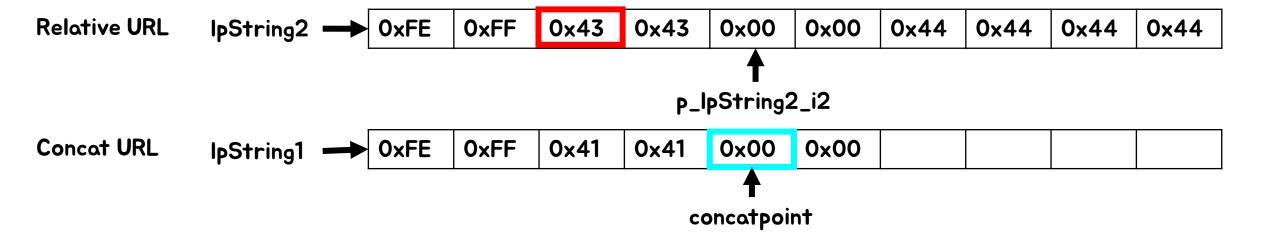


len_lpString1:4

lpString2_i2:0x43

lpString2_i3:

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



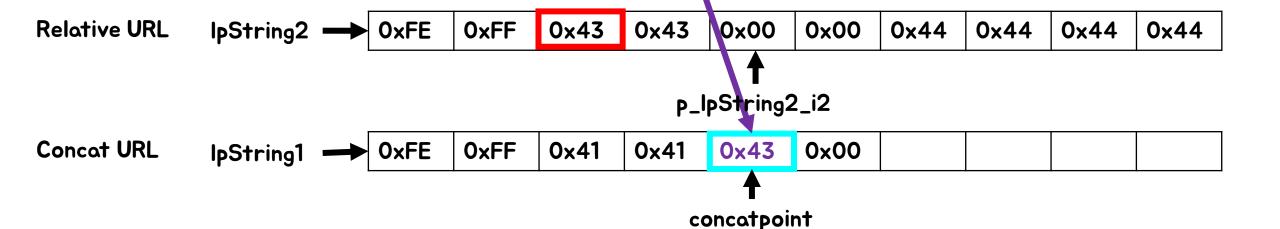
len_lpString1:4

lpString2_i2:0x43

lpString2_i3:

Base	URL
Dase	

0	1	2	3		4	5	6	7	8	9
0xFE	0xFF	0x41	0×4	41	0x00	0x00	0x42	0x42	0x42	0x42



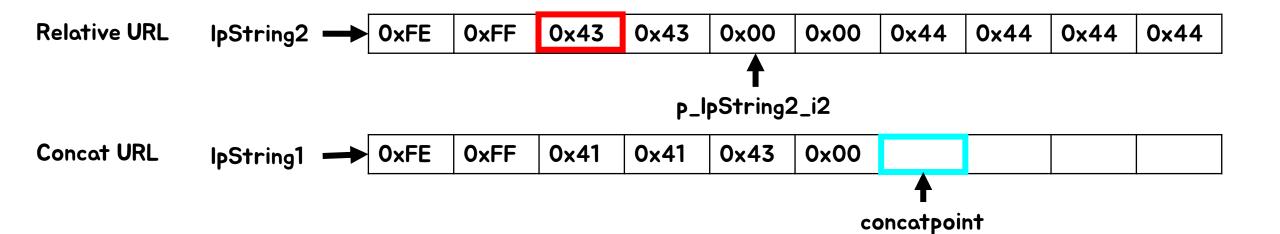
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        concatpoint += 2;
        concatpoint += 2;
        *concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x43

lpString2_i3:

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;

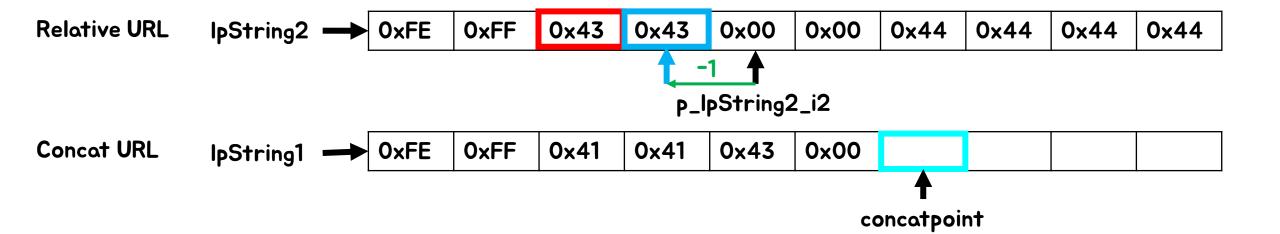
        lpString2_i3 = *(p_lpString2_i2 - 1);
        (concatpoint = lpString2_i2 - 1);
        while ( lpString2_i2 );
    }
    while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x43

lpString2_i3:0x43

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



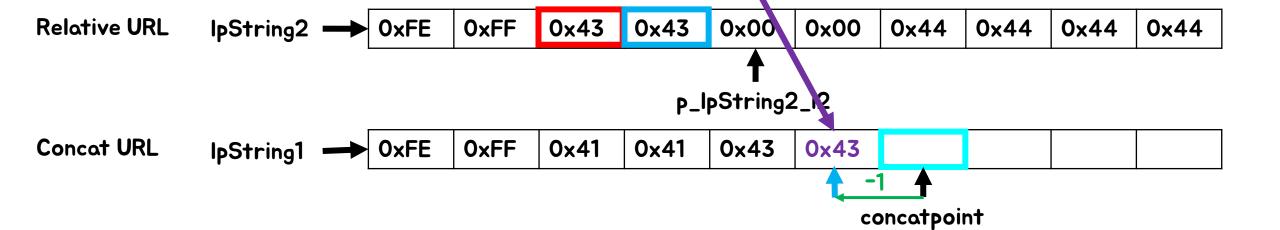
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        *(concatpoint += 2;
        *(concatpoint - 1) = lpString2_i3;
        while ( lpString2_i2 );
    }
    while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x43

lpString2_i3:0x43

0		1	2	3		4	5	6	7	8	9
0xF	Ε	0xFF	0x41	0x41	1	0x00	0x00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;

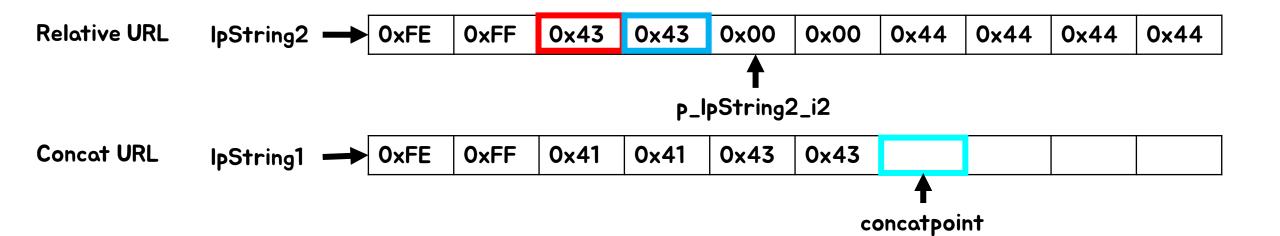
        while ( lpString2_i2 );
        while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2 : 0x43 != 0x00

lpString2_i3:0x43

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



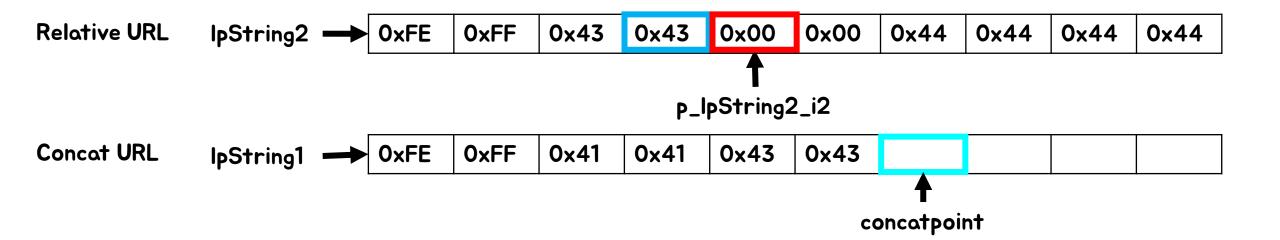
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
```

len_lpString1:4

lpString2_i2:0x00

lpString2_i3:0x43

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42

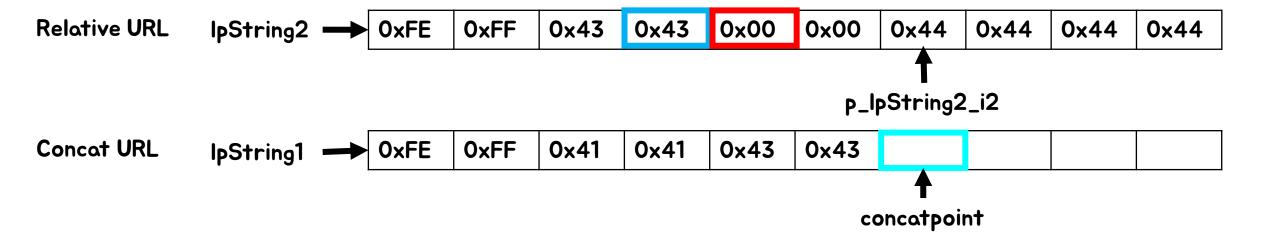


len_lpString1:4

lpString2_i2:0x00

lpString2_i3:0x43

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        *concatpoint = lpString2_i2;

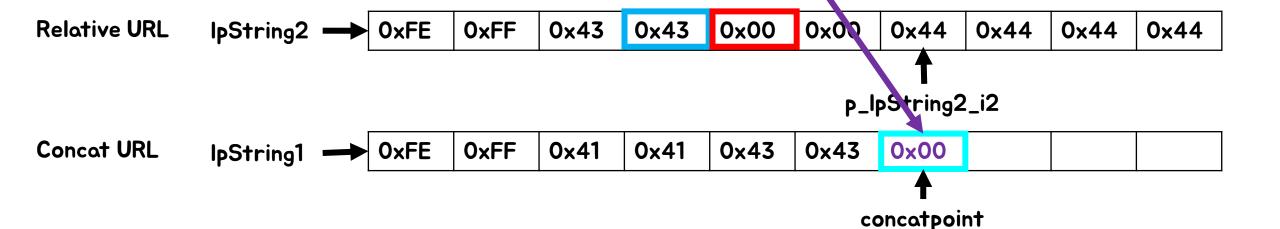
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x00

lpString2_i3:0x43

0	1	2	3	4	5	6	7	8	9
0×FE	0xFF	0x41	0x41	0×0	0×00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;

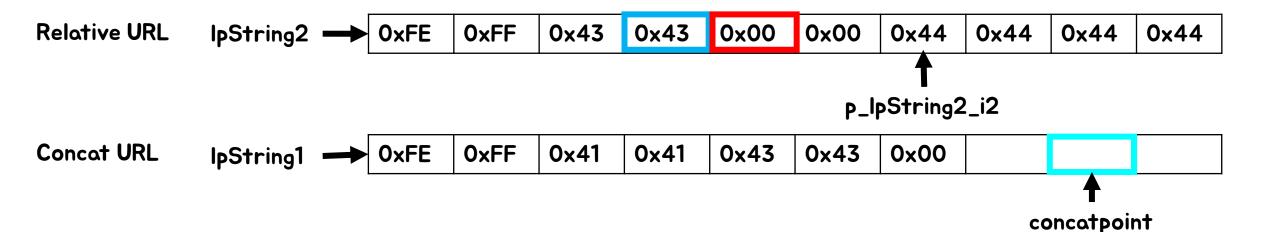
        concatpoint += 2;
        *(concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x00

lpString2_i3:0x43

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;

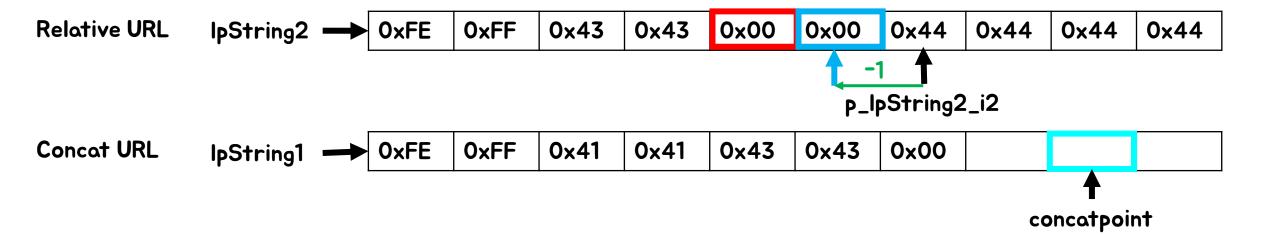
        lpString2_i3 = *(p_lpString2_i2 - 1);
        (concatpoint -) - lpString2_i3;
    }
    while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x00

lpString2_i3:0x00

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



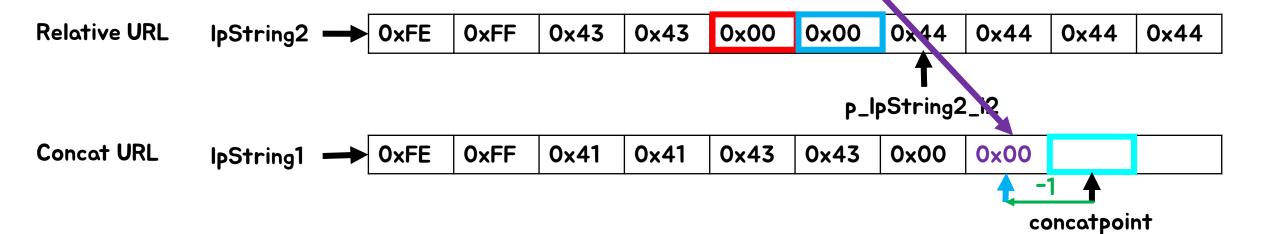
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        *(concatpoint - 1) = lpString2_i3;
        while ( lpString2_i2 );
    }
    while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x00

lpString2_i3:0x00

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0×00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;

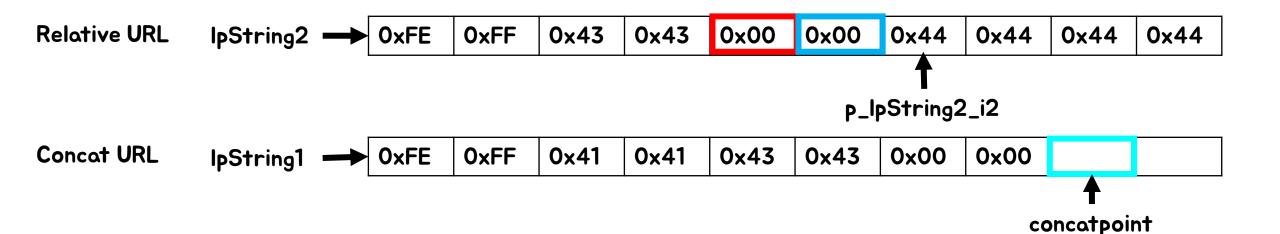
    while ( lpString2_i2 );
    while ( lpString2_i3 );
}
```

```
len_lpString1:4
```

lpString2_i2 : 0x00 == 0x00

lpString2_i3:0x00

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42

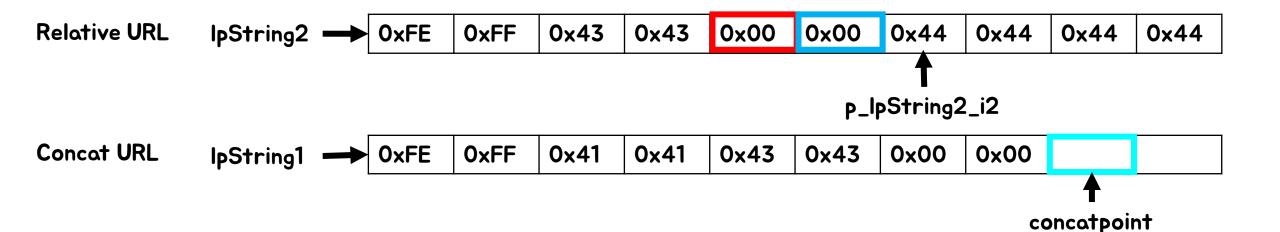


```
len_lpString1:4
```

 $IpString2_i2:0x00 == 0x00$

IpString2_i3:0x00 == 0x00

0	1	2	3	4	5	6	7	8	9
0×FE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



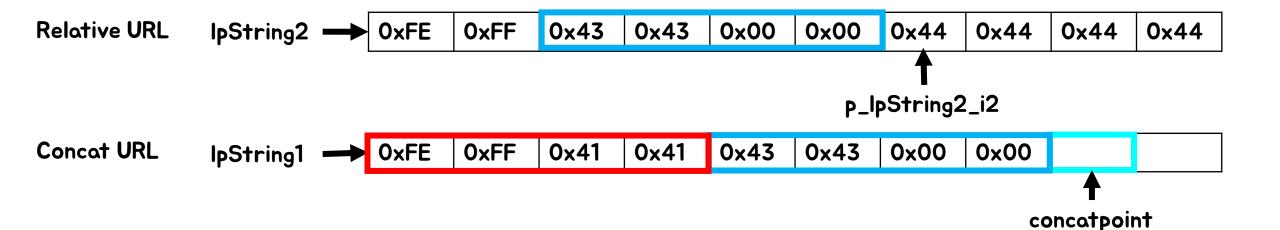
```
if (*lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lostring2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i3 );
```

len_lpString1:4

 $lpString2_i2:0x00 == 0x00$

 $lpString2_i3:0x00 == 0x00$

0	1	2	3	4	5	6	7	8	9
0×FE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42

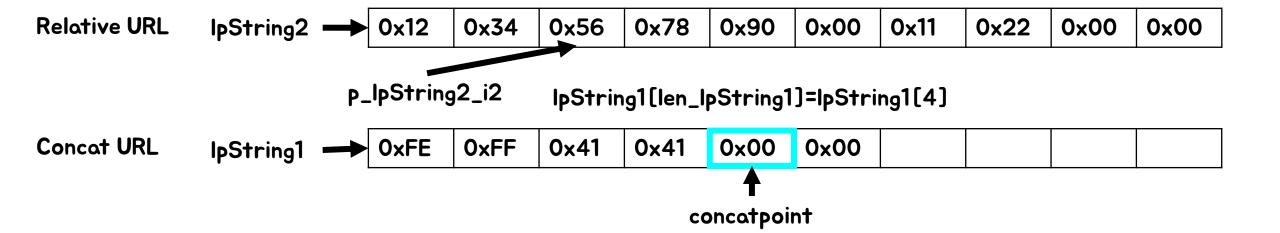


```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
   len_lpString1 = (int)custom_strlen(lpString1);
   p_lpString2_i2 = lpString2 + 2;
   concatpoint = &lpString1[len_lpString1];

   do
   {
      lpString2_i2 = *p_lpString2_i2;
      p_lpString2_i2 += 2;
      *concatpoint = lpString2_i2;
      concatpoint += 2;
      lpString2_i3 = *(p_lpString2_i2 - 1);
      *(concatpoint - 1) = lpString2_i3;
   }
   while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



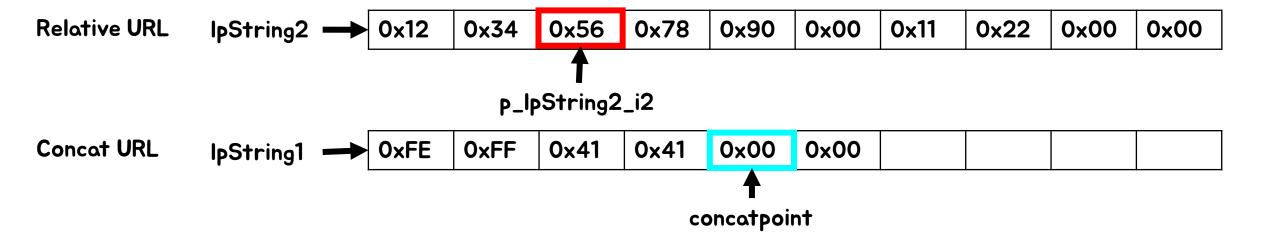
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x56

lpString2_i3:

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0×41	0×41	0x00	0x00	0x42	0x42	0x42	0x42



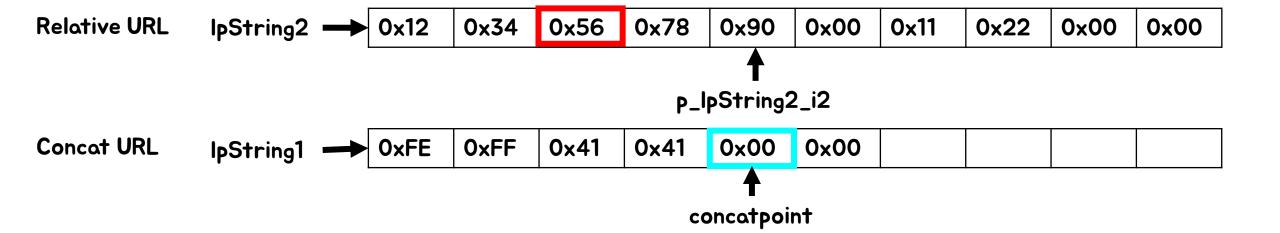
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
   len_lpString1 = (int)custom_strlen(lpString1);
   p_lpString2_i2 = lpString2 + 2;
   concatpoint = &lpString1[len_lpString1];
   do
   {
        loctring2_i2 * lectring2_i2*
        p_lpString2_i2 += 2;
        concatpoint += 2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;
   }
   while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2 : 0x56

lpString2_i3:

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0×41	0x00	0x00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        reconcatpoint = lpString2_i2;
        *concatpoint = lpString2_i2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

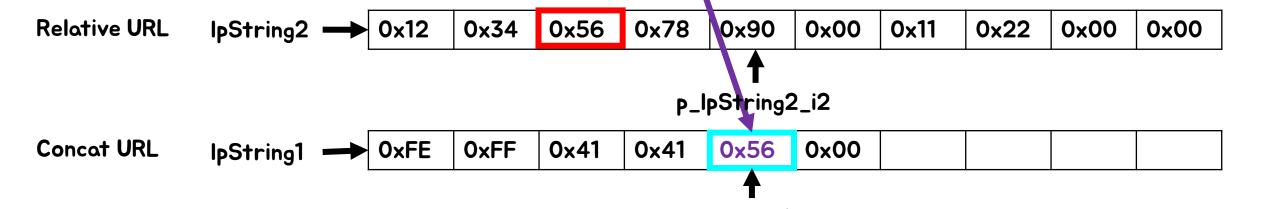
lpString2_i2:0x56

lpString2_i3:

Base URL

0	1	2	3		4	5	6	7	8	9
0xFE	0xFF	0x41	0x	41	0x00	0x00	0x42	0x42	0x42	0x42

concatpoint



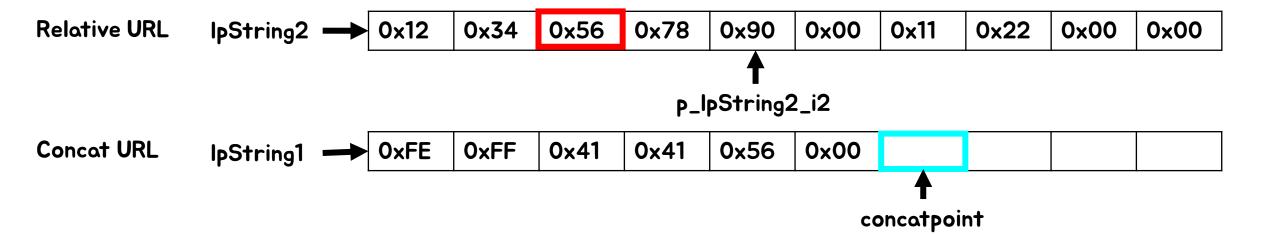
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        concatpoint += 2;
        concatpoint += 2;
        *concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2 : 0x56

lpString2_i3:

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;

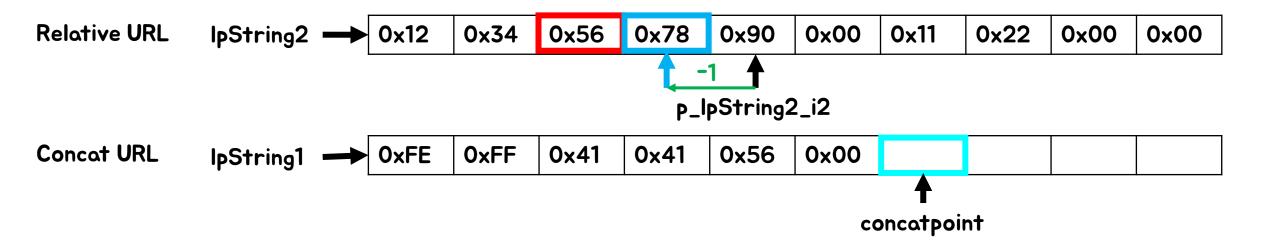
        lpString2_i3 = *(p_lpString2_i2 - 1);
        lpString2_i3 = *(p_lpString2_i2 - 1);
        while ( lpString2_i2 );
    }
    while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x56

lpString2_i3:0x78

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



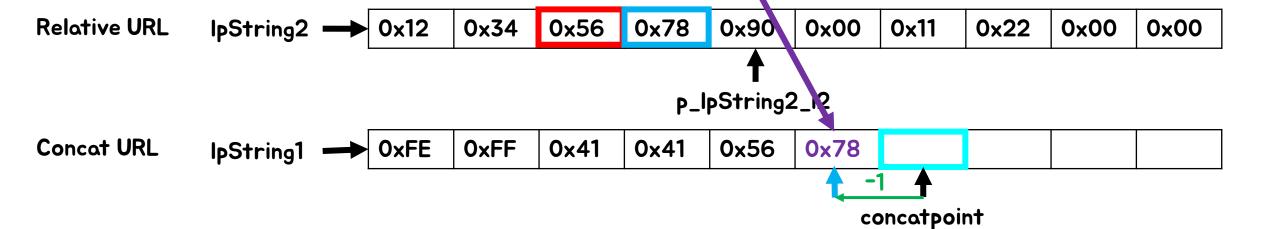
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        *(concatpoint += 2;
        *(concatpoint - 1) = lpString2_i3;
        while ( lpString2_i2 );
    }
    while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x56

lpString2_i3:0x78

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;

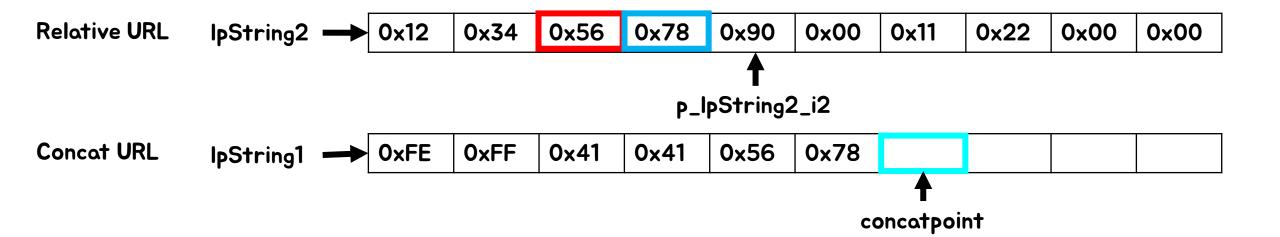
    while ( lpString2_i2 );
    while ( lpString2_i3 );
}
```

```
len_lpString1:4
```

lpString2_i2 : 0x56 != 0x00

lpString2_i3:0x78

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



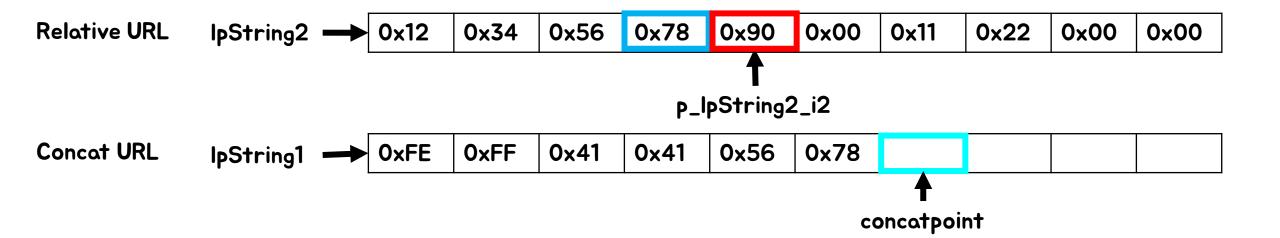
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x90

lpString2_i3:0x78

0	1	2	3	4	5	6	7	8	9
0×FE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42

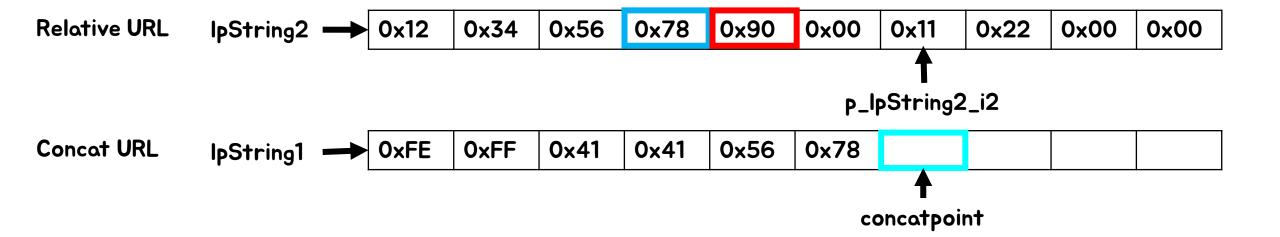


len_lpString1:4

lpString2_i2:0x90

lpString2_i3:0x78

0	1	2	3	4	5	6	7	8	9
0×FE	0xFF	0×41	0×41	0x00	0x00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        *concatpoint = lpString2_i2;

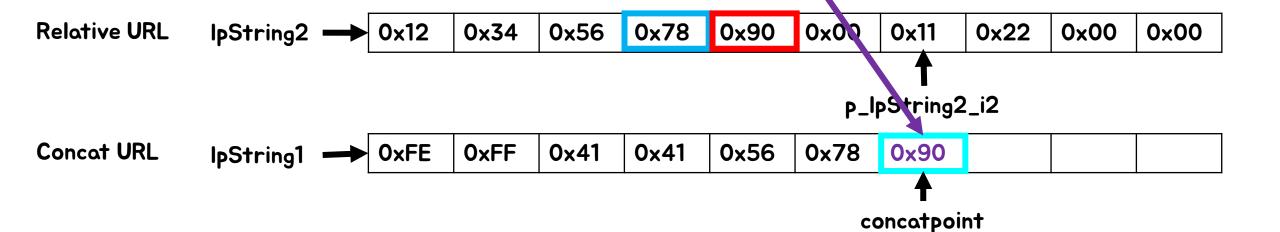
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x90

lpString2_i3:0x78

0	1	2	3	4	5	6	7	8	9
0×FE	0xFF	0x41	0x41	0x0	0x00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;

        concatpoint += 2;
        ipstring2_i2 += 2;

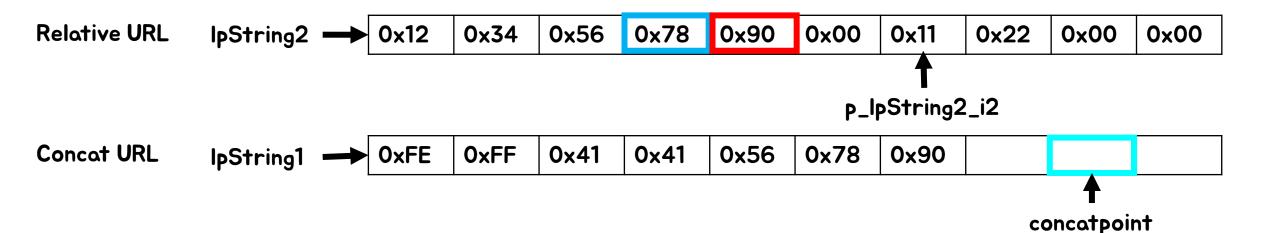
        *(concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x90

lpString2_i3:0x78

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;

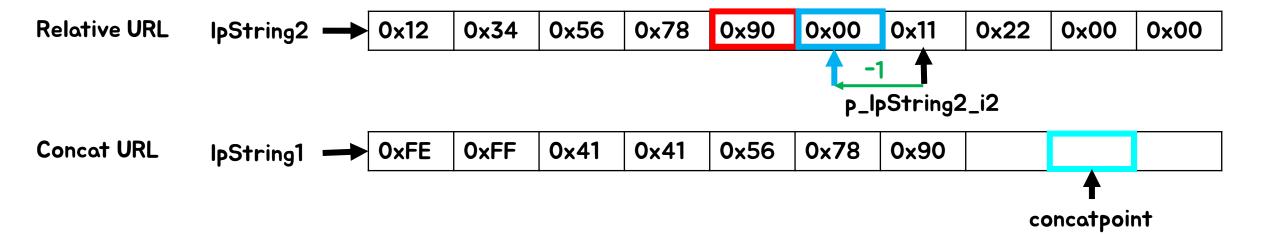
        lpString2_i3 = *(p_lpString2_i2 - 1);
        while ( lpString2_i2 );
    }
    while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x90

lpString2_i3:0x00

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



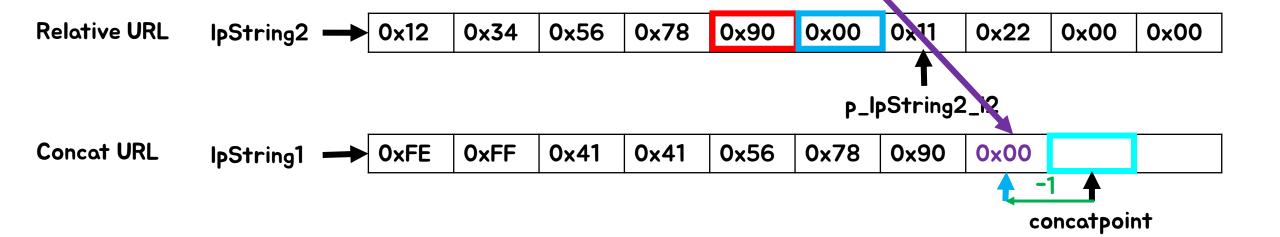
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        *(concatpoint += 2;
        *(concatpoint - 1) = lpString2_i3;
        while ( lpString2_i2 );
    }
    while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x90

lpString2_i3:0x00

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;

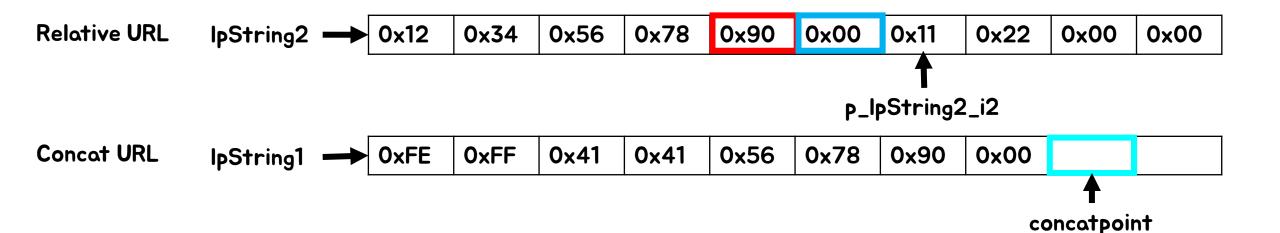
        while ( lpString2_i2 );
    while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2 : 0x90 != 0x00

lpString2_i3:0x00

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



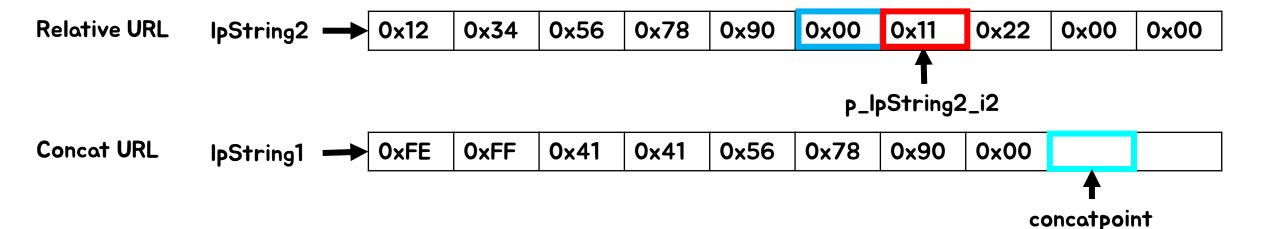
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
```

len_lpString1:4

lpString2_i2:0x11

lpString2_i3:0x00

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42

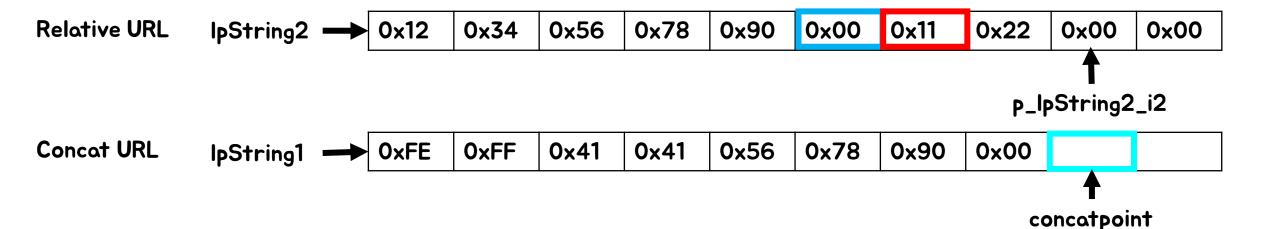


len_lpString1:4

lpString2_i2:0x11

lpString2_i3:0x00

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



len_lpString1:4

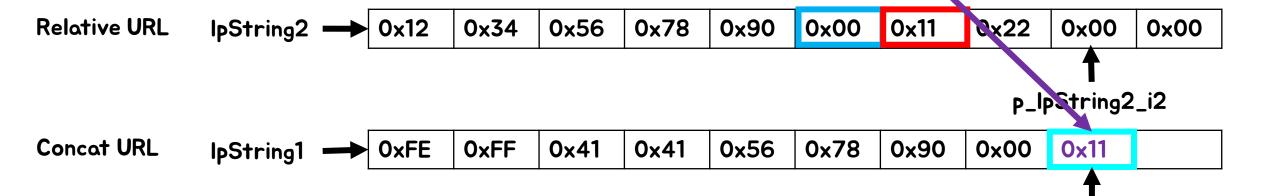
lpString2_i2:0x11

lpString2_13:0x00

Base URL

0	1	2	3	4	5	6	7	8	9
0×FE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42

concatpoint



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;

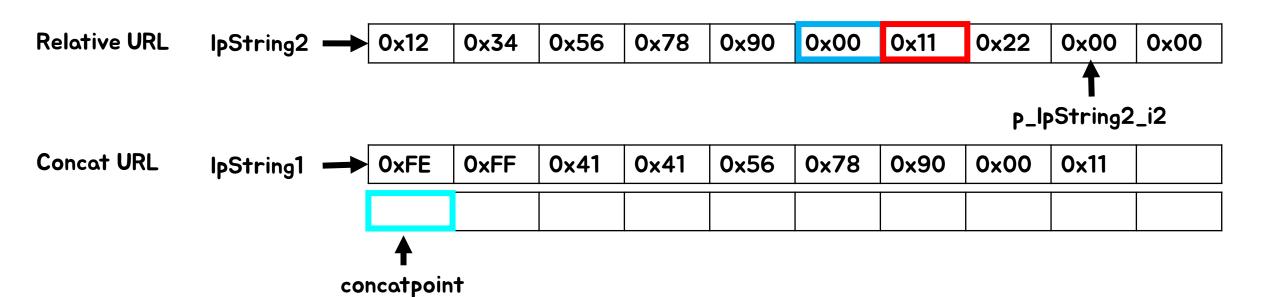
        concatpoint += 2;
        *(concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

len_lpString1:4

lpString2_i2:0x11

Base URL

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



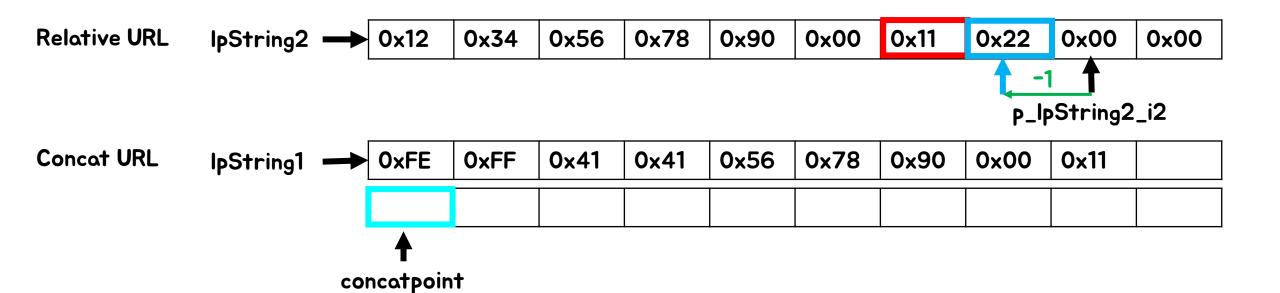
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;

        lpString2_i3 = *(p_lpString2_i2 - 1);
        (concatpoint = 1, - ipstring2_i2 - 1);
        while ( lpString2_i2 );
    }
    while ( lpString2_i3 );
}
```

```
len_lpString1:4
```

lpString2_i2:0x11

<pre>while (lpString2_i3); }</pre>	0	1	2	3	4	5	6	7	8	9
Base URL	0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



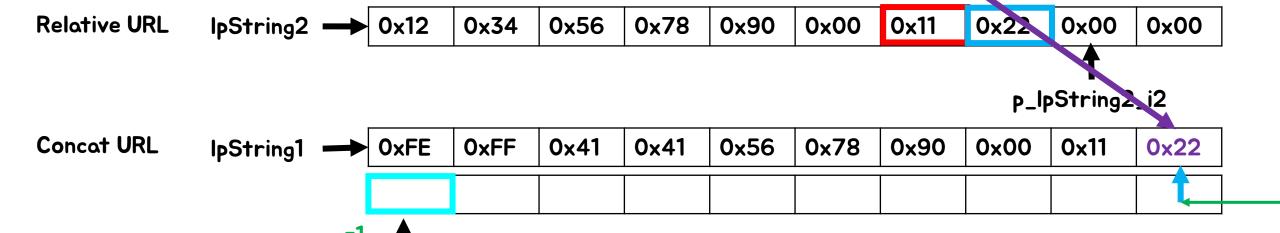
len_lpString1:4

lpString2_i2:0x11

lpString2_i3:0x22

Base	URL
Daje	

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



Base URL

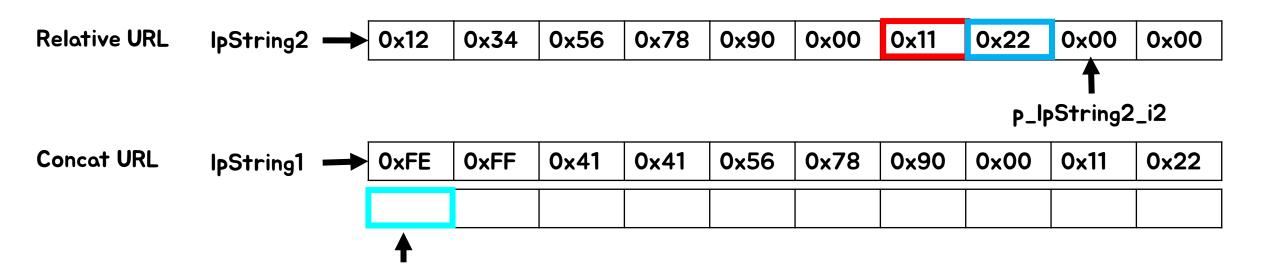
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;

    while ( lpString2_i3 );
}
while ( lpString2_i3 );
}
```

```
len_lpString1:4
```

lpString2_i3:0x22

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0×41	0×41	0×00	0x00	0×42	0×42	0x42	0x42

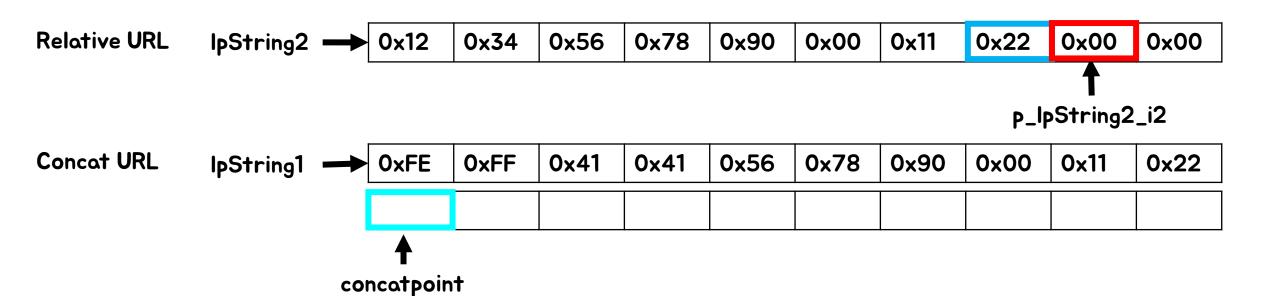


Base URL

```
len_lpString1:4
```

lpString2_i2:0x00

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



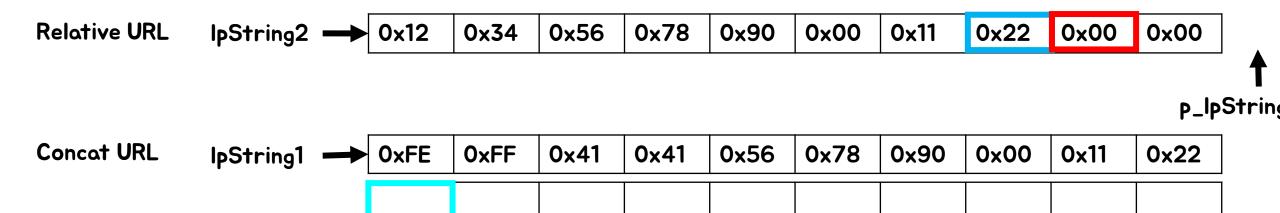
```
len_lpString1:4
```

lpString2_i2:0x00

lpString2_i3:0x22

Base	URL
Dase	OIL

_	0	1	2	3	4	5	6	7	8	9
	0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



```
len_lpString1:4
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
                                                      lpString2_i2:0x00
 len lpString1 = (int)custom strlen(lpString1);
 p_lpString2_i2 = lpString2 + 2;
                                                       lpString2_i3:0x22
 concatpoint = &lpString1[len_lpString1];
   do
    lpString2 i2 = *p lpString2 i2;
    *concatpoint = lpString2_i2;
    lpString2_i3 = *(p_lpString2_i2 - 1);
    *(concatpoint - 1) = lpString2 i3;
   while ( lpString2_i2 );
                                         0
                                                                         3
                                                                                              5
                                                                                                        6
                                                                                                                             8
                                                                                                                                        9
 while ( lpString2_i3 );
                                                                                    4
                                                                                                                                       0x42
Base URL
                                         0xFE
                                                    0xF
                                                                                                        0x42
                                                                                                                   0x42
                                                                                                                             0x42
                                                              0x41
                                                                         0x41
                                                                                   0x00
                                                                                              0x00
Relative URL
                                         0x12
                                                    Dx34
                                                              0x56
                                                                                                                  0x22
                                                                                                                             0x00
                                                                                                                                       0x00
                     IpString2
                                                                         0x78
                                                                                   0x90
                                                                                              0x00
                                                                                                        0x11
                                                                                                                                            p_lpString
Concat URL
                                                    0xFF
                                                              0x41
                                                                         0x41
                                                                                   0x56
                                                                                              0x78
                                                                                                        0x90
                                                                                                                                       0x22
                                         0xFE
                                                                                                                  0x00
                                                                                                                             0x11
                     IpString1
                                         0x00
```

Base URL

```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;

        concatpoint += 2;
        concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
}
while ( lpString2_i3 );
}
```

```
len_lpString1:4
```

lpString2_i2:0x00

lpString2_i3:0x22

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42

p_lpString

 Concat URL
 IpString1
 →
 0xFE
 0xFF
 0x41
 0x41
 0x56
 0x78
 0x90
 0x00
 0x11
 0x22



Base URL

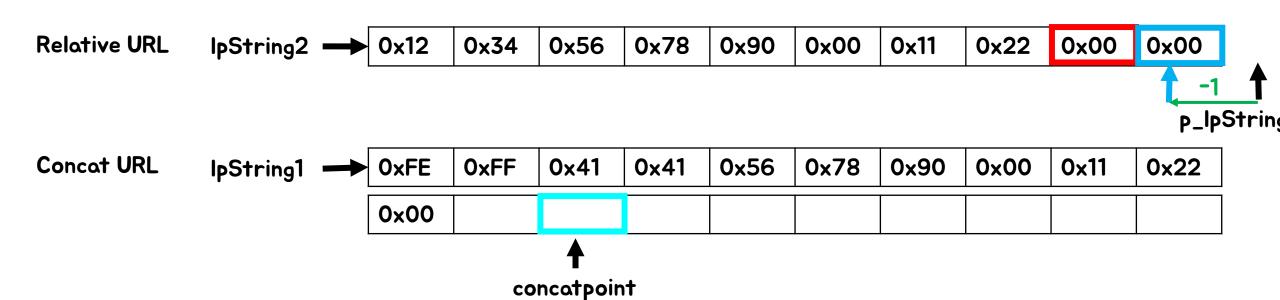
```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lpString2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;

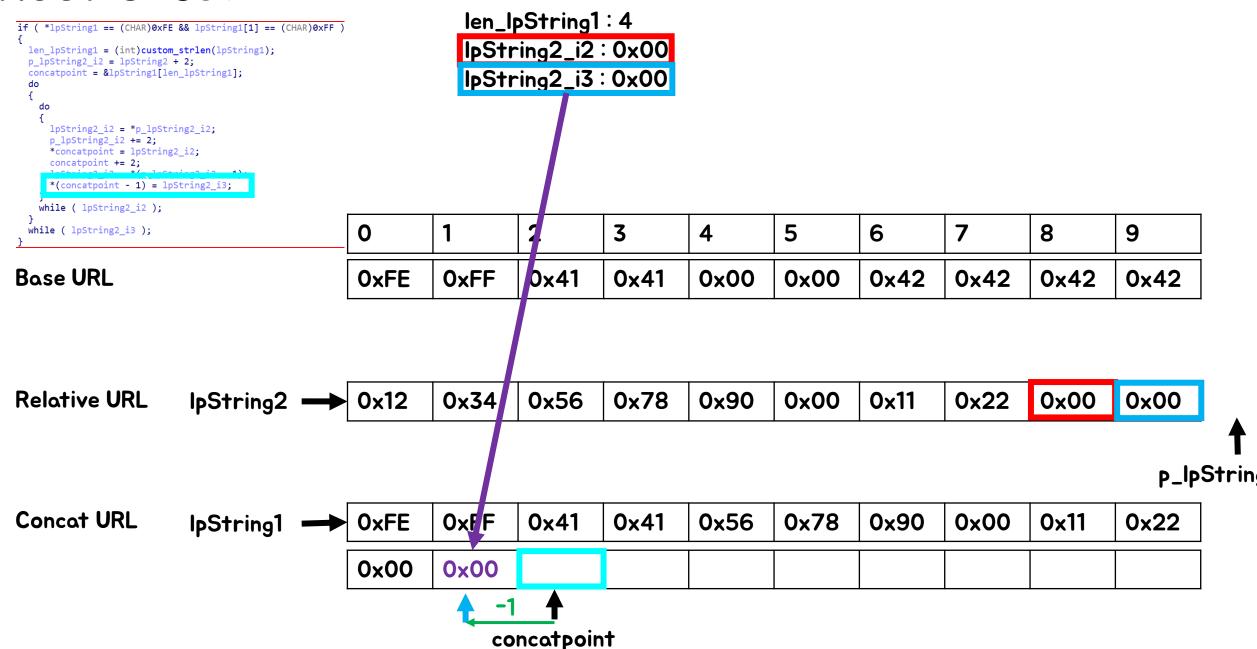
        lpString2_i3 = *(p_lpString2_i2 - 1);
        while ( lpString2_i2 );
    }
    while ( lpString2_i3 );
}
```

```
len_lpString1:4
```

lpString2_i2:0x00

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42





Base URL

```
if (*lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
   len_lpString1 = (int)custom_strlen(lpString1);
   p_lpString2_i2 = lpString2 + 2;
   concatpoint = &lpString1[len_lpString1];
   do
   {
       lpString2_i2 = *p_lpString2_i2;
       p_lpString2_i2 += 2;
       *concatpoint = lpString2_i2;
       concatpoint += 2;
       lpString2_i3 = *(p_lpString2_i2 - 1);
       *(concatpoint - 1) = lpString2_i3;

      while ( lpString2_i2 );
      while ( lpString2_i3 );
}
```

```
len_lpString1:4
```

lpString2_i2 : 0x00 == 0x00

lpString2_i3:0x00

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42

p_lpString

 Concat URL
 IpString1
 →
 0xFE
 0xFF
 0x41
 0x41
 0x56
 0x78
 0x90
 0x00
 0x11
 0x22



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
{
    len_lpString1 = (int)custom_strlen(lpString1);
    p_lpString2_i2 = lpString2 + 2;
    concatpoint = &lpString1[len_lpString1];
    do
    {
        lostring2_i2 = *p_lpString2_i2;
        p_lpString2_i2 += 2;
        *concatpoint = lpString2_i2;
        concatpoint += 2;
        lpString2_i3 = *(p_lpString2_i2 - 1);
        *(concatpoint - 1) = lpString2_i3;
    }
    while ( lpString2_i2 );
```

```
len_lpString1:4
```

 $IpString2_i2:0x00 == 0x00$

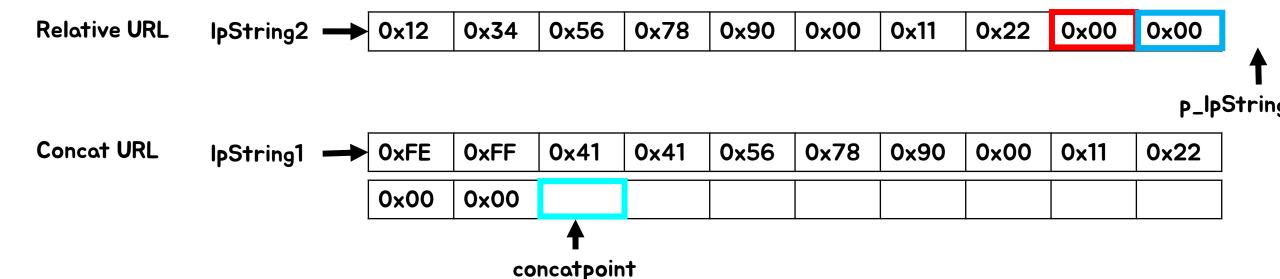
lpString2_i3 : 0x00 == 0

== 0×00

while	(lpString2_i3);

Base URL

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0x41	0x41	0x00	0x00	0x42	0x42	0x42	0x42



```
if ( *lpString1 == (CHAR)0xFE && lpString1[1] == (CHAR)0xFF )
 len lpString1 = (int)custom strlen(lpString1);
 p_lpString2_i2 = lpString2 + 2;
 concatpoint = &lpString1[len_lpString1];
   do
     lpString2 i2 = *p lpString2 i2;
     p_lpString2_i2 += 2;
     *concatpoint = lpString2 i2;
     concatpoint += 2;
     lpString2_i3 = *(p_lpString2_i2 - 1);
     *(concatpoint - 1) = lpString2 i3;
   while ( lpString2_i2 );
```

len_lpString1:4

 $lpString2_i2:0x00 == 0x00$

 $lpString2_i3:0x00 == 0x00$

Ī	while	(lpString2_i3);
J				

0	1	2	3	4	5	6	7	8	9
0xFE	0xFF	0×41	0×41	0×00	0x00	0x42	0×42	0×42	0x42

Base URL

