**Protocols for Distributed Computing Project in Visual Programming (C#)**

**- Divided ranges of numbers:**

Server1 (Port 5000): 2 ~ 20,000,000

Server2 (Port 5001): 20,000,001 ~ 30,000,000

**- Protocols:**

1. Sending size of the picture box (Client -> Server)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| STX | P | S | Width | “,” | Height | ETX |

2. Sending range of the numbers (Client -> Server)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| STX | N | R | Min | “,” | Max | ETX |

3. Requesting for calculating prime numbers (Client -> Server)

|  |  |  |  |
| --- | --- | --- | --- |
| STX | R | C | ETX |

4. Sending numbers of the prime number that were calculated by servers (Server -> Client)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| STX | P | N | 소수갯수 | ETX |

5. Sending notification that every processes are done (Server -> Client)

|  |  |  |  |
| --- | --- | --- | --- |
| STX | T | C | ETX |