Mahiem Agrawal
Sheet #11

a) ./foo

The number of arguements is 1 so there will be only 1 process that of the parent.

./foo a

There will be 1 parent process and 2 child processes

./foo a b

There were will be 1 parent process. and 3 child process.

./foo a b c

There will be 1 parent, 27 child process.

./foo a b c d

There will be 1 parent, 80 child process

Problem 11.2.

a) $4 * (2 * x + 7)$

$= \langle digit \rangle * (2 * x + 7)$

$= \langle constant \rangle * (2 * x + 7)$

$= \langle factor \rangle * (2 * x + 7)$

$= \langle term \rangle * (2 * x + 7)$

$= \langle term \rangle * (\langle digit \rangle * \langle variable \rangle + 7)$

$= \langle term \rangle * (\langle constant \rangle * \langle factor \rangle + \langle constant \rangle)$

$= \langle term \rangle * (\langle factor \rangle * \langle factor \rangle + \langle constant \rangle$

$= \langle term \rangle * (\langle term \rangle * \langle factor \rangle + \langle constant \rangle$

$\Leftarrow \langle term * (\langle term \rangle + \langle constant \rangle$

$= \langle term \rangle * (\langle expression \rangle + \langle factor \rangle)$

$= \langle term \rangle * (\langle expression \rangle + \langle term \rangle)$

$= \langle term \rangle * (\langle expression \rangle)$

$= \langle term \rangle * \langle factor \rangle$

$= \langle term \rangle$

$= \langle expression \rangle$ //.

b) There should be additional bracet within the bracket so that we can know whether to operate the * or the + first.