According to the definition of **value** expression given in Subsection 5.5.0, what happens to any input or output?

After trying the question, scroll down to the solution.

According to the textbook Subsection 5.5.0, the expression P value e expresses the value that expression e would have after executing P, but nonlocal variables are unchanged. Input on a nonlocal channel changes nonlocal variable \mathbf{r} (the read cursor), and output on a nonlocal channel changes nonlocal variable \mathbf{w} (the write cursor). Therefore P value e expresses the value that expression e would have after reading the inputs and writing the outputs according to P, but variables \mathbf{r} and \mathbf{w} are unchanged. Evaluating P value e requires reading nonlocal inputs and writing nonlocal outputs according to P in order to find the value of e, and then "unreading" and "unwriting" these inputs and outputs, which means that after evaluation of P value e input and output begin where they were before evaluation of P value e. Reading and writing on local channels do not have to be undone because the local channels disappear.

In popular languages, either input and output are prohibited in a function that returns a value, or they are allowed but not undone, which is a side-effect of the function.