Answer the following questions about the template below:

1. What inference rules do we need to replace $?_1$ and $?_2$ with?

   \[
   \text{alloc\_const([ ], 5, [5], 0)}
   \]

   \[
   ([ ], 5) \rightarrow ([5], \text{[ load\_const 0 ]})
   \]

   \[
   \text{alloc\_const([5], 3, [5, 3], 1)}
   \]

   \[
   ([5], 3) \rightarrow ([5, 3], \text{[ load\_const 1 ]})
   \]

2. What elements are in the $?_3$ array?

   \[
   [5, 3]
   \]

3. What's in the basic block represented by bb?

   \[
   [ \text{load\_const 0}, \text{load\_const 1}, \text{sub} ]
   \]