

Question 2 (10 points):

```
00 void map(int *V, int k){
01     int *p; /* p at SP+12 */
    ...
24     V[*p++] = V[k];
    ..
98 }
```

For the C function above, assume that the passing of arguments to the function `map` follows the standard RISC-V convention (`V` is in `a0`, and `k` is in `a1`) and that the local variable `p` is stored in the frame of the function `map` at the address given by `SP+12`. Write a sequence of RISC-V instructions that implements the statement in line 24 of this function.
