



```
done = false;  
addressA = Input;
```



```
e = qdrMem(READ, addressA);  
addressA = e >> pointerShift;  
If ((e >> pointerShift) == 0) {  
    done = true;  
    addressB = e & (1 << size - 1);  
}
```



F

done

T



```
counter = qdrMem(READ, addressB);  
counter = counter + 1;
```



```
qdrMem(WRITE, addressB, counter);  
Output = BRAM(READ, addressB);
```

