

When Do We Have a Character in the Middle Region?

x00	x40	x41	x5A	x5B	x60	x61	x7A	x7B	x7F
NUL	@	A	Z	[... \	a ...	z	{ ...	DEL	

We just wrote (original character minus x60) into R2.

Under what conditions (N, Z, P) do we have a character in the middle region?

N and Z

How Can We Increment the Non-Alpha Bin?

x00	x40	x41	x5A	x5B	x60	x61	x7A	x7B	x7F
NUL	@	A	Z	[... \	a ...	z	{ ...	DEL	

So for conditions N or Z, we want to increment the non-alpha bin.

How?

Didn't we already write that code?

Let's just branch to it!

Branch If We Have a Character in the Middle Region

```
MORE_THAN_Z
ADD R2,R2,R5
BRnz NON_ALPHA
```

Handle characters in the middle region.

So what is the branch condition?

Remember the label that we created earlier (for incrementing the non-alpha bin)?

We Need to Check for a Lower Case Letter

Next, we compare with lower case z.

