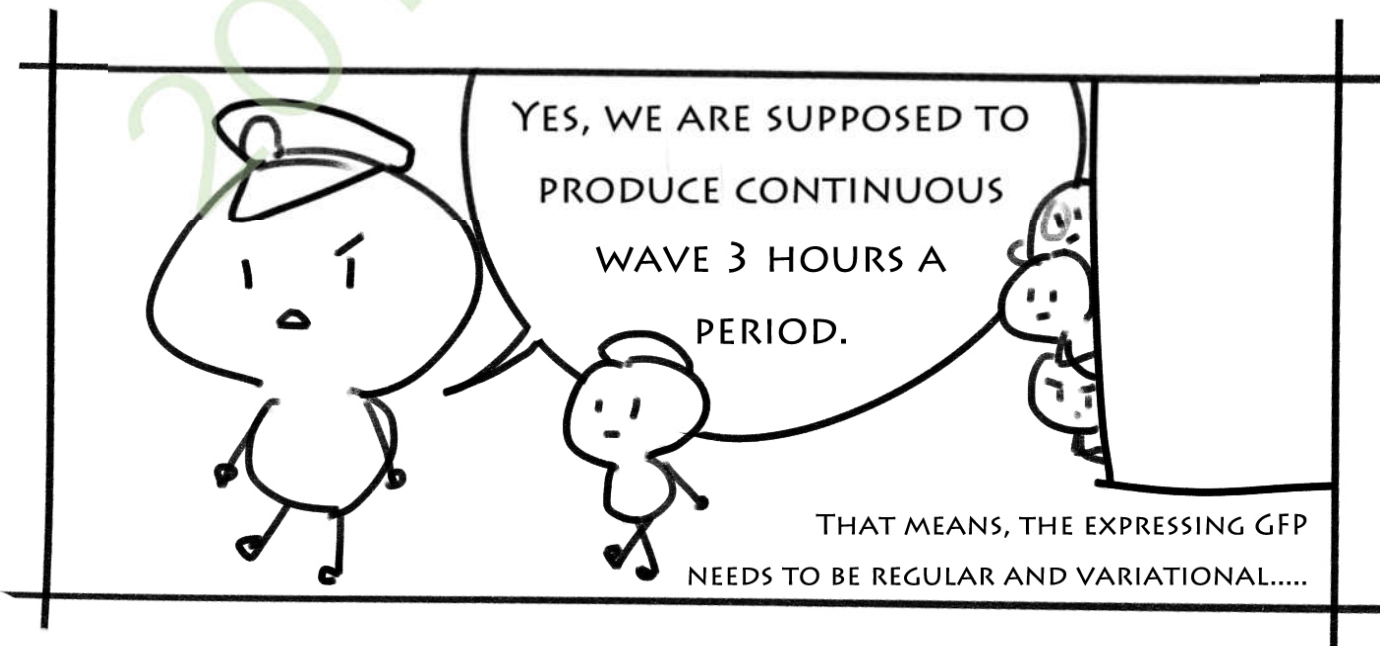
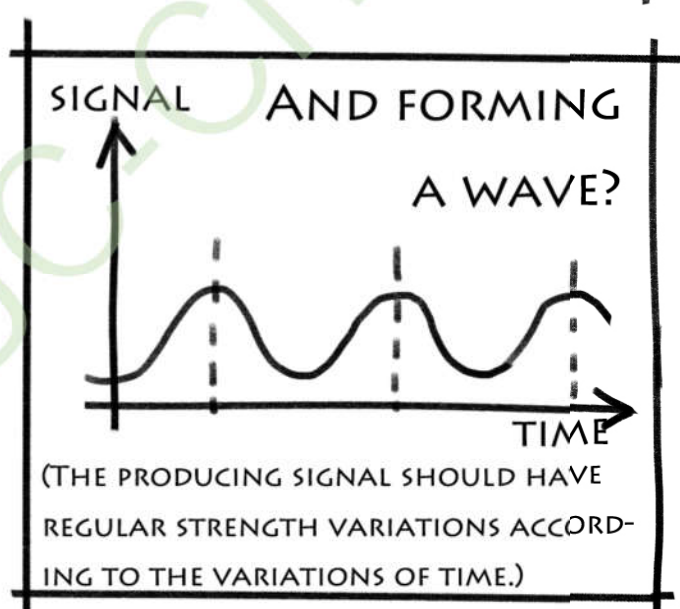
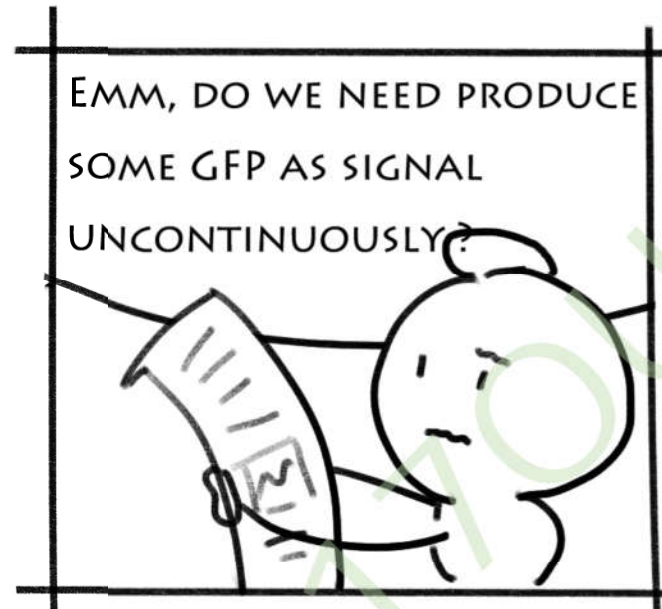


2017OUC-China

**chapter4**  
**wave**



OH..

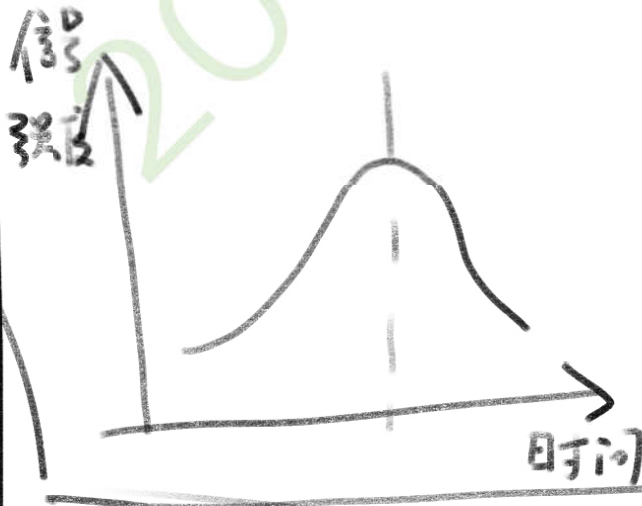


I  
KNOW  
YOU ARE  
BUGING,  
GUYS!

THERE'S NO NEED TO EAVES-  
DROP BECAUSE I'LL EXPLAIN IT  
TO YOU LATER.  
ACTUALLY, I NEED YOU GAYS  
TO CALL THE CREWS TOGETH-  
ER NOW, HURRY UP!

CHIEF OFFICER, PRE-  
PARE THE PROJECTOR!

YES, SIR!



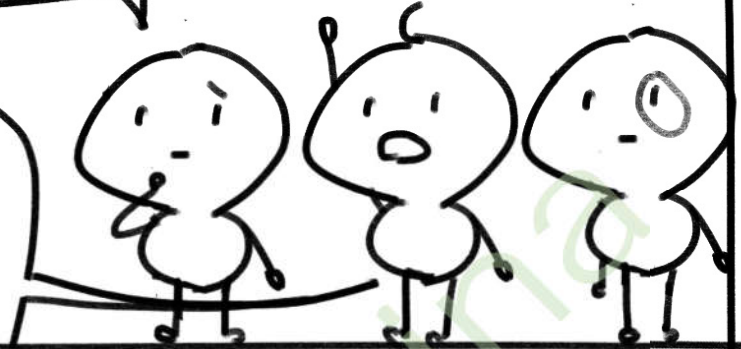
FIRSTLY, WHAT  
SHOULD WE DO IF  
WE NEED TO PRO-  
DUCE THIS SIGNAL?



IT SEEMS THAT WE NEED PRODUCE THIS PROTEIN AT A PERIOD OF TIME AND STOP FOR A PERIOD OF TIME.

AND WE SHOULD CONSIDER THE <sup>mRNA</sup> NUMBER OF MRNA!

BUT CAPTAIN, WE CAN'T CONTROL THE PRODUCTION OF PROTEIN, WE MUST LISTEN TO THE ORDER OF MRNA!



IT LOOKS LIKE THAT MY CREWS GROW A LOT, MAYBE I DON'T NEED TO TELL THEM IN ADVANCE.

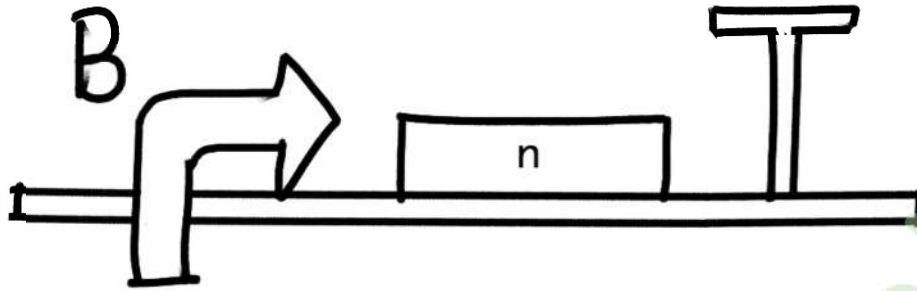
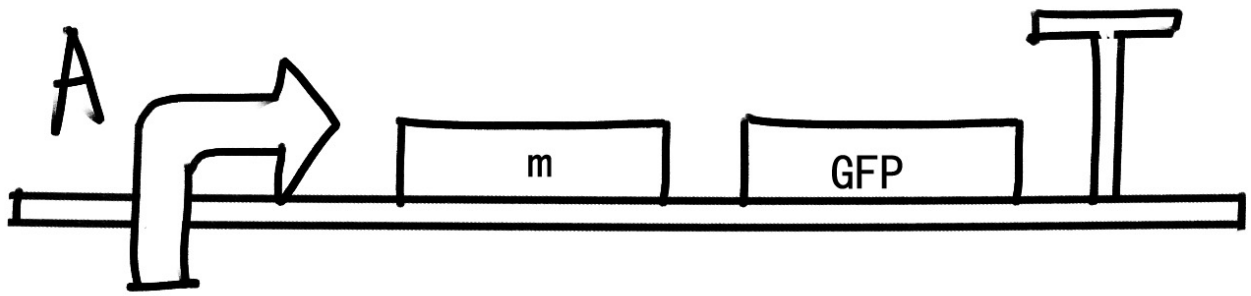


COME ON GUYS!  
LET'S EXPLAIN IT WHILE WE'RE WORKING!

BUT WE STILL DON'T KNOW WHAT THE JOB IS...



THIS IS THE CIRCUIT OF THIS JOB!

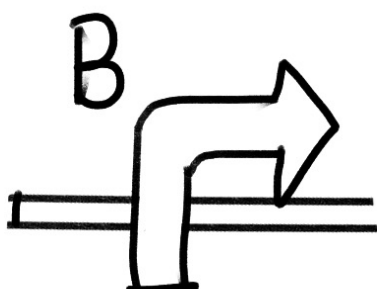
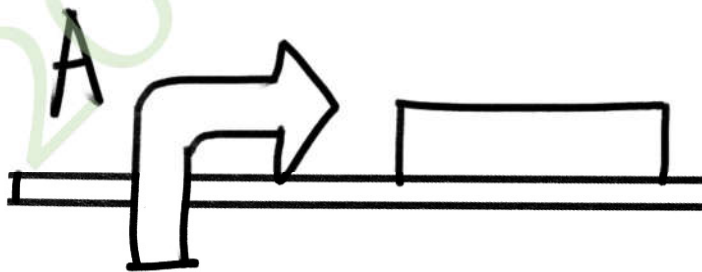
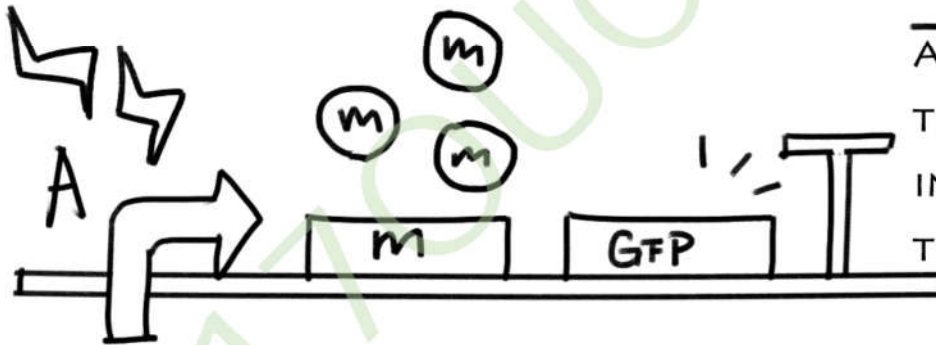


THIS IS HOW IT WORKS!

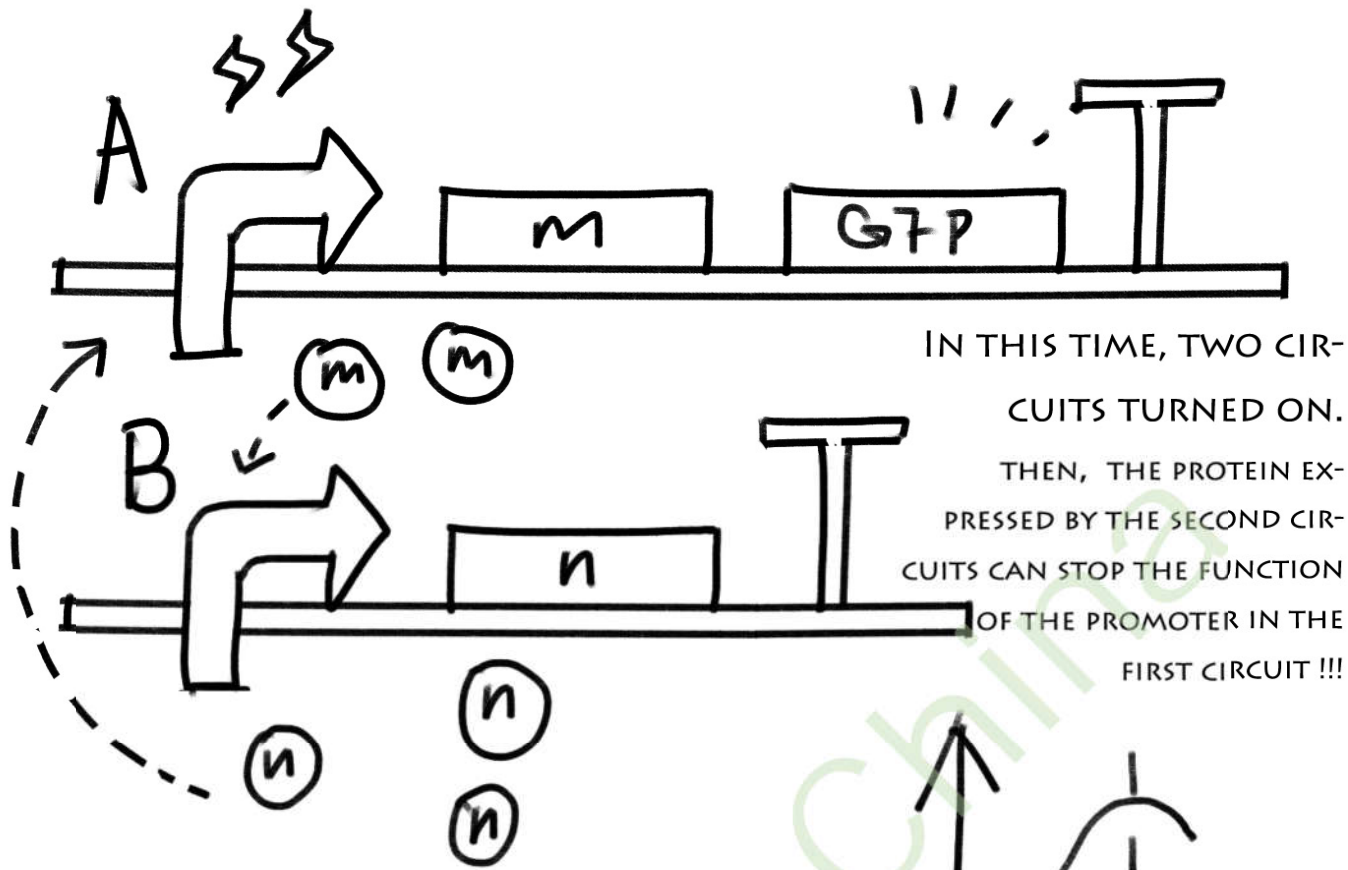
AT FIRST, ENVIRONMENTAL SUBSTANCE WILL ACTIVATE THIS CIRCUIT, YOU SHOULD WORK ON IT AND PRODUCE PROTEIN M AND GFP.



AND THE M PROTEIN AND GFP WILL INCREASE AS THE TIME GOING BY.

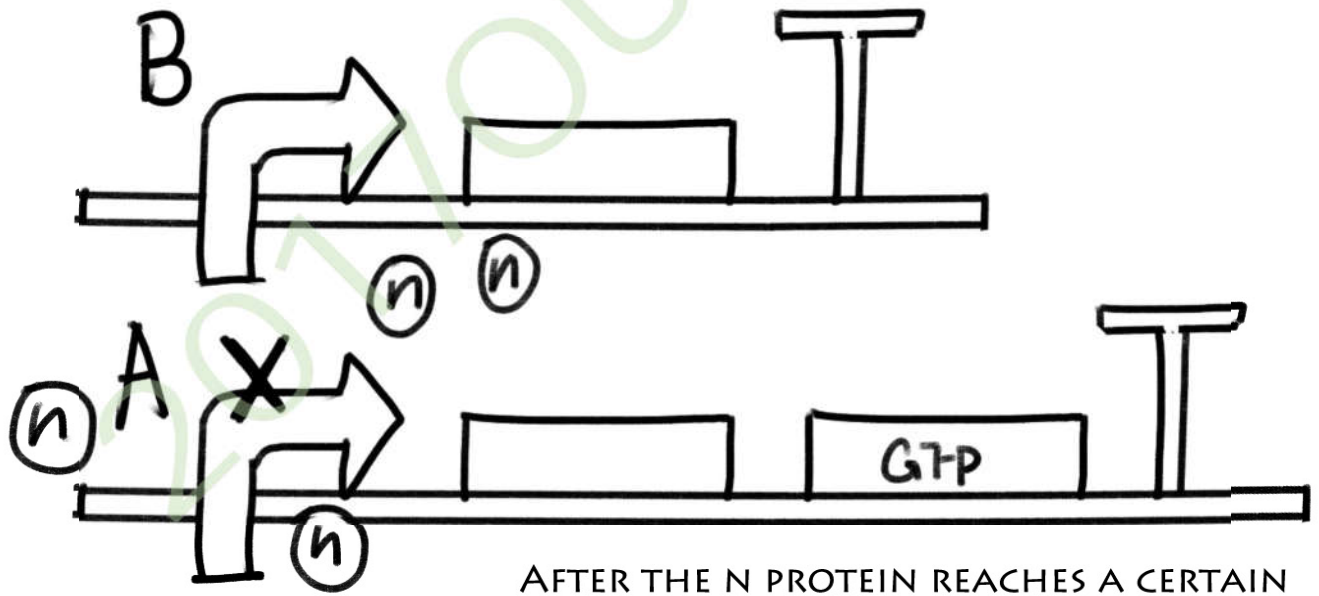
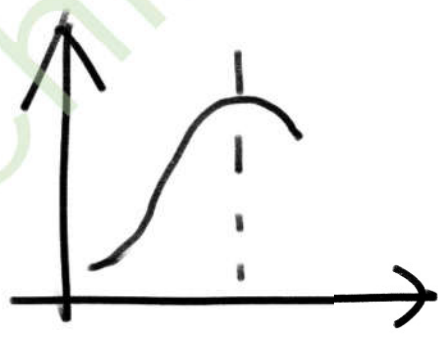


MAGICALLY, PROTEIN M CAN ACTIVATE CIRCUIT 2.



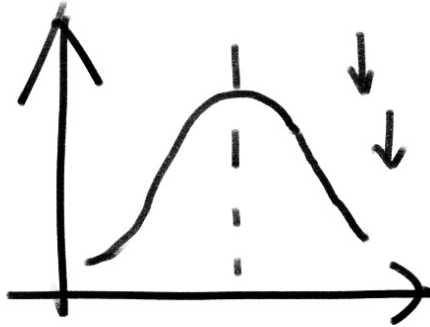
IN THIS TIME, TWO CIRCUITS TURNED ON. THEN, THE PROTEIN EXPRESSED BY THE SECOND CIRCUITS CAN STOP THE FUNCTION OF THE PROMOTER IN THE FIRST CIRCUIT !!!

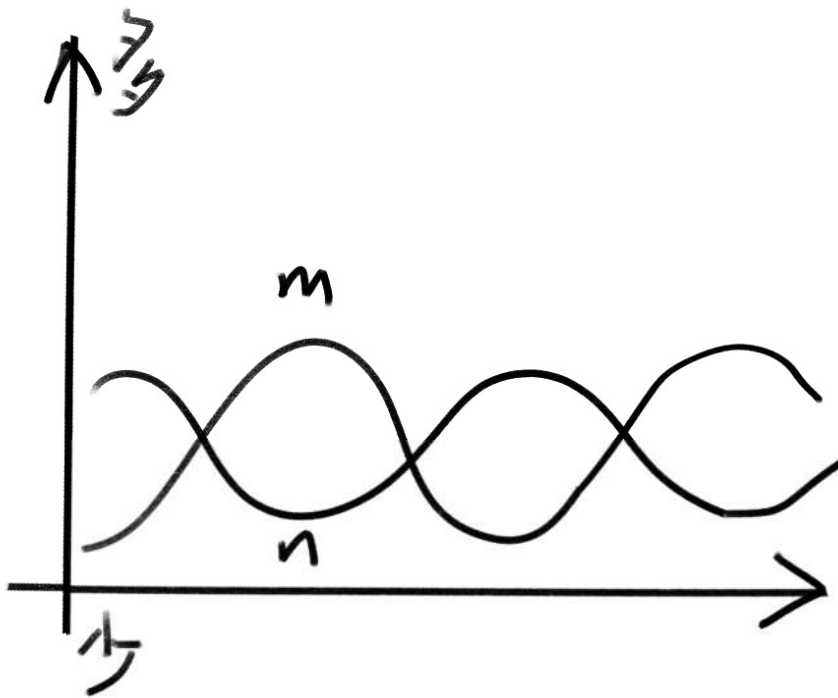
THEREFORE, WITH THE PROTEIN N IMPROVING, THE PROTEIN M AND GFP WILL BEGIN TO REDUCE.



AFTER THE N PROTEIN REACHES A CERTAIN AMOUNT, THE FIRST CIRCUIT IS TURNED OFF. M PROTEIN AND GFP LESS.

BUT THE SECOND CIRCUIT WILL NOT BE ABLE TO OPEN DUE TO THE REDUCTION OF PROTEIN M



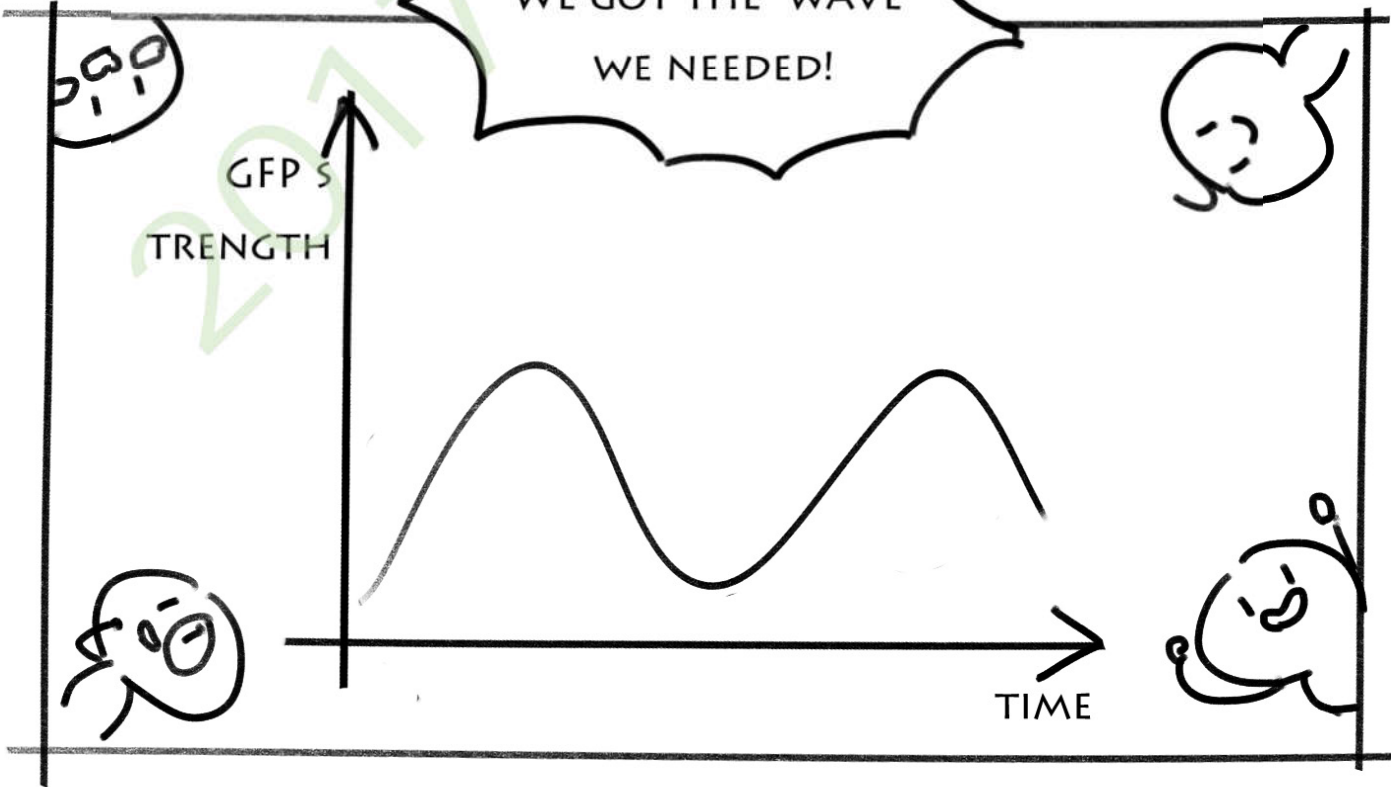


THUS, PROTEIN M AND PROTEIN N WILL BE UP AND DOWN. AND THAT STATE CAN KEEP GOING.

GFP HAS THE SAME TREND AS PROTEIN M, WE ONLY LOOK AT GFP...



WE GOT THE "WAVE" WE NEEDED!



IT'S THE  
ALARM!

# ALARM-

ALL HAVE!  
WORKING  
STATE!  
LET'S MOVE  
!

YES, SIR!!

